

## Fiyat Listesi 2020





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## Yenilikleri gerçekleştirmek

Daha iyi makineler, yeni pazarlar, yalın üretim ve gelişmiş servis desteği: Omron Endüstriyel Otomasyon, yıllardır yenilikleri gerçekleştiriyor.

Bunu sizinle beraber daha yakın çalışarak yapıyoruz, makine ve fabrika otomasyonundaki en son bilgileri sunarak, fikirlerinizin hayata geçmesine destek oluyoruz.

Daha fazla ürün bilgisine “[industrial.omron.com.tr](http://industrial.omron.com.tr)” internet sitemizden veya telefonla bizi arayarak ulaşabilirsiniz.

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Fiyatlarımız EUR olarak belirtilmiştir, KDV dahil değildir.





**Industrial PC**

Compact design that offers flexibility, expandability and easy maintenance for applications in factory automation environments.

- Based on Intel® Atom® to Intel® Xeon® processors
- Windows 10 IoT Enterprise, Windows Embedded Standard 7 or without operating system
- Open operating system allows running customised software and hardware
- Ethernet port for access to your IT systems
- 15.4 and 12.1 inches Industrial monitor
- Industrial Box PC and Industrial Panel PC (Industrial Box PC + Monitor integrated) types
- Models available with NY Monitor Link interface for connectivity up to 100 m between IPC and Monitor

Short item number	Order code	Description	Price EUR	GTIN
683311	NYP2C-213K1-12WC1000	Industrial Panel PC with Intel® Celeron® 3965U, 4 GB DDR4 RAM (non-ECC), 128 GB SSD-iMLC, WIN 10 IoT Ent. (64-bit), PCIe slot, RS-232, 12.1" display with capacitive touchscreen	4,756.00	4549734207386

**NX7**

**Machine controller**



**Sysmac controller – NX7 Series**

The NX7 series is a high performance CPU that includes two synchronized motion cores controlling up to 256 axes.

- Fastest cycle time: 125 µs
- Number of axes: 256, 128
- Two synchronized motion cores
- Functions: Logic sequence, Database connection, AI and Motion
- Database direct connection: SQL client for server Microsoft SQL, Oracle, IBM DB2, MySQL, Firebird, PostgreSQL
- Database direct connection in V2.0 is expanded with stored procedure calls and secure communications functionality
- AI Functionality: AI engine included in the controller enables real time utilisation of machine learning model
- AI Predictive Maintenance Library enables non-stop equipment
- Multi-tasking
- Built-in EtherCAT and two EtherNet/IP (1 Gbps) ports
- EtherCAT Ring topology is supported to maintain communications and control in case of a broken cable or device failure

Short item number	Order code	Description	Price EUR	GTIN
418668	NX701-1600	Sysmac NX7 CPU, 80MB memory, built-in EtherCAT (128 servo axes, in total 512 EtherCAT nodes) and 2 EtherNet/IP ports	5,140.00	4548583593695
680732	NX701-1620	Sysmac NX7 CPU with Database Connectivity, 80MB memory, built-in EtherCAT (128 servo axes, in total 512 EtherCAT nodes) and 2 EtherNet/IP port	7,745.00	4549734193863

Short item number	Order code	Description	Price EUR	GTIN
418671	NX-PA9001	Sysmac NX power supply unit, 100 to 240 VAC, 90 W, "RUN" output relay	595.00	4548583593725
418672	NX-PD7001	Sysmac NX power supply unit, 24 VDC, 70 W, "RUN" output relay	486.50	4548583593732



### Information & Productivity in a miniaturized size controller

The NX1 series modular machine controller provides logic sequence, motion and information functionality. NX1 is joining production and IT worlds, minimizing engineering and maintenance while suppressing middleware.

- IoT Ready: OPC UA server built-in as standard feature, variable structures are supported
- Database direct connection: SQL client for server Microsoft SQL, Oracle, IBM DB2, MySQL, Firebird, PostgreSQL
- Large memory for data handling. 33.5 MB for variables
- Battery-less controller
- Cycle time: from 1 ms
- Up to 12 axes (8 synchronized motion axes & 4 PTP)
- One unique and synchronized cycle for local & remote I/O, EtherCAT devices and motion control
- Database direct connection in V2.0 is expanded with stored procedure calls and secure communications functionality
- Database direct connection: SQL client for server Microsoft SQL, Oracle, IBM DB2, MySQL, Firebird, PostgreSQL
- Multi-tasking controller
- Expanded network connectivity, 2x Ethernet ports + 1 EtherCAT
- Up to 32 local NX units, including Safety and IO-Link master
- Support up to 64 EtherCAT nodes (400xNX units)
- EtherCAT Ring topology is supported to maintain communications and control in case of a broken cable or device failure

Short item number	Order code	Description	Price EUR	GTIN
682580	NX102-1000	Sysmac NX1 Modular CPU, 5MB program and 33.5MB data memory, built-in EtherCAT (2 servo axes, 4 PTP axes, total 64 EtherCAT nodes), 2 Ethernet ports (OPC-UA and EtherNet/IP)	2,035.00	4549734205313
683383	NX102-1020	Sysmac NX1 Modular CPU with with Database Connectivity, 5MB program and 33.5MB data memory, built-in EtherCAT (2 servo axes, 4 PTP axes, total 64 EtherCAT nodes), 2 Ethernet ports (OPC-UA and EtherNet/IP)	2,399.00	4549734205351
682581	NX102-1100	Sysmac NX1 Modular CPU, 5MB program and 33.5MB data memory, built-in EtherCAT (4 servo axes, 4 PTP axes, total 64 EtherCAT nodes), 2 Ethernet ports (OPC-UA and EtherNet/IP)	2,543.00	4549734205320
683381	NX102-1120	Sysmac NX1 Modular CPU with with Database Connectivity, 5MB program and 33.5MB data memory, built-in EtherCAT (4 servo axes, 4 PTP axes, total 64 EtherCAT nodes), 2 Ethernet ports (OPC-UA and EtherNet/IP)	2,860.00	4549734205368
682578	NX102-1200	Sysmac NX1 Modular CPU, 5MB program and 33.5MB data memory, built-in EtherCAT (8 servo axes, 4 PTP axes, total 64 EtherCAT nodes), 2 Ethernet ports (OPC-UA and EtherNet/IP)	3,456.00	4549734205337
683384	NX102-1220	Sysmac NX1 Modular CPU with with Database Connectivity, 5MB program and 33.5MB data memory, built-in EtherCAT (8 servo axes, 4 PTP axes, total 64 EtherCAT nodes), 2 Ethernet ports (OPC-UA and EtherNet/IP)	3,689.00	4549734205375
682579	NX102-9000	Sysmac NX1 Modular CPU, 5MB program and 33.5MB data memory, built-in EtherCAT (0 servo axes, 4 PTP axes, total 64 EtherCAT nodes), 2 Ethernet ports (OPC-UA and EtherNet/IP)	1,527.00	4549734205306
683382	NX102-9020	Sysmac NX1 Modular CPU with with Database Connectivity, 5MB program and 33.5MB data memory, built-in EtherCAT (0 servo axes, 4 PTP axes, total 64 EtherCAT nodes), 2 Ethernet ports (OPC-UA and EtherNet/IP)	1,939.00	4549734205344



### Compact in size, powerful in functionality

The NX1P completes the NX/NJ machine controllers family offering same functionality in a compact design. The NX1P provides synchronized control of all machine devices such as motion, I/O, safety and vision under one Integrated Development Environment.

- Fastest cycle time: 2 ms
- Functions: Logic sequence and Motion control
- Up to 8 axes (4 synchronized axes)
- Built-in I/O: 40 or 24 I/O points
- Up to 8 local NX I/O units
- Built-in EtherCAT and EtherNet/IP ports
- Up to 16 EtherCAT slaves
- Up to 2 option boards can be connected to add serial communications or analog I/O functionality
- EtherCAT Ring topology is supported to maintain communications and control in case of a broken cable or device failure

Short item number	Order code	Description	Price EUR	GTIN
672500	NX1P2-1040DT	Sysmac NX1P CPU with 40 Digital Transistor I/O (NPN), 1.5 MB memory, EtherCAT (2 servo axes, 4 PTP axes, 16 EtherCAT nodes), EtherNet/IP and 2 serial option ports	1,084.00	4548583866454
672504	NX1P2-1040DT1	Sysmac NX1P CPU with 40 Digital Transistor I/O (PNP), 1.5 MB memory, EtherCAT (2 servo axes, 4 PTP axes, 16 EtherCAT nodes), EtherNet/IP and 2 serial option ports	1,084.00	4548583866461
672510	NX1P2-1140DT	Sysmac NX1P CPU with 40 Digital Transistor I/O (NPN), 1.5 MB memory, EtherCAT (4 servo axes, 4 PTP axes, 16 EtherCAT nodes), EtherNet/IP and 2 serial option ports	1,578.00	4548583866478
672501	NX1P2-1140DT1	Sysmac NX1P CPU with 40 Digital Transistor I/O (PNP), 1.5 MB memory, EtherCAT (4 servo axes, 4 PTP axes, 16 EtherCAT nodes), EtherNet/IP and 2 serial option ports	1,578.00	4548583866485
672509	NX1P2-9024DT	Sysmac NX1P CPU with 24 Digital Transistor I/O (NPN), 1.5 MB memory, EtherCAT (0 servo axes, 4 PTP axes, 16 EtherCAT nodes), EtherNet/IP and 1 serial option port	804.50	4548583866430
672498	NX1P2-9024DT1	Sysmac NX1P CPU with 24 Digital Transistor I/O (PNP), 1.5 MB memory, EtherCAT (0 servo axes, 4 PTP axes, 16 EtherCAT nodes), EtherNet/IP and 1 serial option port	812.00	4548583866447

Short item number	Order code	Description	Price EUR	GTIN
672499	NX1W-ADB21	Sysmac NX1P Analog I/O screwless option board, 2 x analog inputs 0 to 10 V, resolution 1/4000 or 0 to 20 mA, resolution 1:2000	99.20	4548583866522
672505	NX1W-CIF01	Sysmac NX1P RS-232C screwless (15 m max.) serial communication option board	49.15	4548583866492
672502	NX1W-CIF11	Sysmac NX1P RS422/485 screwless (50 m max.) serial communication option board	49.15	4548583866508
672503	NX1W-CIF12	Sysmac NX1P RS422/485 screwless (isolated 500 m max.) serial communication option board	98.35	4548583866515
672506	NX1W-DAB21V	Sysmac NX1P Analog I/O screwless option board, 2 x analog outputs 0 to 10 V, resolution 1:4000	108.70	4548583866539
672507	NX1W-MAB221	Sysmac NX1P Analog I/O screwless option board, 2 x analog inputs 0 to 10 V, resolution 1:4000 or 0 to 20 mA, resolution 1:2000, 2 x analog outputs 0 to 10 V, resolution 1:4000	207.00	4548583866546
680107	NX-END02	Spare part - End plate for NX1P controller	15.71	4548583866553



### Sysmac controller – NJ5 Series

The NJ5 series is a machine controller for logic sequence and motion that includes CPU options for advanced functions such as robotics and database connection.

- Fastest cycle time: 500  $\mu$ s
- Number of axes: 64, 32, 16
- Synchronized motion core
- Functions: Logic sequence, Motion, CNC, Robotics, Database connection, SECS/GEM and OPC-UA
- Database direct connection in V2.0 is expanded with stored procedure calls and secure communications functionality
- Database direct connection: SQL client for server Microsoft SQL, Oracle, IBM DB2, MySQL, Firebird, PostgreSQL
- Delta, SCARA and Cartesian robots control
- DB connection: SQL client for Microsoft SQL server, Oracle, IBM DB2, MySQL, Firebird
- CNC functionality: Ideal for XY cutting, milling, lathe and any other path-following application such as dispensing, bending, grinding and forming machines
- Multi-tasking
- Built-in EtherCAT and EtherNet/IP ports
- EtherCAT Ring topology is supported to maintain communications and control in case of a broken cable or device failure

Short item number	Order code	Description	Price EUR	GTIN
355309	NJ501-1300	Sysmac NJ5 CPU, 20 mB memory, built-in EtherCAT (16 servo axes, in total 192 EtherCAT nodes) and EtherNet/IP	3,340.00	4548583020450
375708	NJ501-1320	Sysmac NJ5 CPU with Database Connectivity, 20MB memory, built-in EtherCAT (16 servo axes, in total 192 EtherCAT nodes) and EtherNet/IP	3,994.00	4548583418028
355310	NJ501-1400	Sysmac NJ5 CPU, 20 mB memory, built-in EtherCAT (32 servo axes, in total 192 EtherCAT nodes) and EtherNet/IP	3,630.00	4548583020467
375709	NJ501-1420	Sysmac NJ5 CPU with Database Connectivity, 20MB memory, built-in EtherCAT (32 servo axes, in total 192 EtherCAT nodes) and EtherNet/IP	4,358.00	4548583418035
355311	NJ501-1500	Sysmac NJ5 CPU, 20 mB memory, built-in EtherCAT (64 servo axes, in total 192 EtherCAT nodes) and EtherNet/IP	4,358.00	4548583020474
375710	NJ501-1520	Sysmac NJ5 CPU with Database Connectivity, 20MB memory, built-in EtherCAT (64 servo axes, in total 192 EtherCAT nodes) and EtherNet/IP	4,915.00	4548583418042
368567	NJ501-4300	Sysmac NJ5 CPU with Robot kinematics (max 4 robots), 20MB memory, built-in EtherCAT (16 servo axes, in total 192 EtherCAT nodes) and EtherNet/IP	4,358.00	4548583137745
374968	NJ501-4310	Sysmac NJ5 CPU with Robot kinematics (max 1 robot), 20 MB memory, built-in EtherCAT (16 servo axes, in total 192 EtherCAT nodes) and EtherNet/IP	3,831.00	4548583351356
679768	NJ501-5300	Sysmac NJ5 CNC CPU, 20MB memory, built-in EtherCAT (16 servo axes, in total 192 EtherCAT nodes) and EtherNet/IP	6,235.00	4549734145435





**Sysmac controller – NJ3 Series**

The NJ3 series expands the Sysmac controller solution to 4 and 8 axis.

- Fastest cycle time: 500 µs
- Number of axes: 8, 4
- Synchronized motion core
- Functions: Logic sequence and Motion
- Multi-tasking
- Built-in EtherCAT and EtherNet/IP ports
- EtherCAT Ring topology is supported to maintain communications and control in case of a broken cable or device failure

Short item number	Order code	Description	Price EUR	GTIN
363842	NJ301-1100	Sysmac NJ3 CPU, 5 mB memory, built-in EtherCAT (4 servo axes, in total 192 EtherCAT nodes) and EtherNet/IP	2,328.00	4548583113121
363924	NJ301-1200	Sysmac NJ3 CPU, 5MB memory, built-in EtherCAT (8 servo axes, in total 192 EtherCAT nodes) and EtherNet/IP	2,798.00	4548583113138



**Sysmac controller – NJ1 Series**

The NJ1 series is a new Sysmac controller for logic sequence and motion control aimed for compact machines.

- Fastest cycle time: 1 ms
- Number of axes: 2
- Synchronized motion core
- Functions: Logic sequence, Motion and Database connection
- Database direct connection in V2.0 is expanded with stored procedure calls and secure communications functionality
- Database direct connection: SQL client for server Microsoft SQL, Oracle, IBM DB2, MySQL, Firebird, PostgreSQL
- Multi-tasking
- Built-in EtherCAT and EtherNet/IP ports
- DB connection: SQL client for Microsoft SQL server, Oracle, IBM DB2, MySQL, Firebird
- EtherCAT Ring topology is supported to maintain communications and control in case of a broken cable or device failure

Short item number	Order code	Description	Price EUR	GTIN
413717	NJ101-1000	Sysmac NJ1 CPU, 3MB memory, built-in EtherCAT (2 servo axes, in total 64 EtherCAT nodes) and EtherNet/IP	1,964.00	4548583593749
668370	NJ101-1020	Sysmac NJ1 CPU with with Database Connectivity, 3MB memory, built-in EtherCAT (2 servo axes, in total 64 EtherCAT nodes) and EtherNet/IP	2,461.00	4548583758803
413718	NJ101-9000	Sysmac NJ1 CPU, 3MB memory, built-in EtherCAT (0 servo axes, in total 64 EtherCAT nodes) and EtherNet/IP	1,722.00	4548583593756
668371	NJ101-9020	Sysmac NJ1 CPU with Database Connectivity, 3MB memory, built-in EtherCAT (0 servo axes, in total 64 EtherCAT nodes) and EtherNet/IP	2,154.00	4548583758810

Short item number	Order code	Description	Price EUR	GTIN
355818	HMC-SD291	2 GB SD memory card	121.70	4548583020689
400806	HMC-SD491	4 GB SD memory card	262.40	4548583438101
355312	NJ-PA3001	Sysmac NJ power supply unit, 100-240 VAC, 30 W, "RUN" output relay	249.40	4548583020665
355313	NJ-PD3001	Sysmac NJ power supply unit, 24 VDC, 30 W, "RUN" output relay	255.50	4548583020672



### CJ2M for basic machine automation

The CJ2M Series is ideal for packaging and general machine automation needs. Connectivity is assured thanks to the built-in USB port and the choice of Ethernet and RS-232C/422/485 interfaces on the CPU.

- Always accessible through standard USB port  
Standard Ethernet port with EtherNet/IP  
Data Link function  
Wide range of program capacities from 5K steps to 60K steps  
Serial option board  
Dedicated function block memory ensures efficient execution of function block software modules

Short item number	Order code	Description	Price EUR	GTIN
268696	CJ2H-CPU64	CPU, 50K steps program, 32K words data memory, 32K words x 4 banks EM, 2560 I/O max, RS-232C serial port, USB programming port, 3 expansion racks max.	2,393.00	4547648638630
249799	CJ2H-CPU64-EIP	CPU with built-in EtherNet/IP port, 50K steps program, 32K words data memory, 32K words x 4 banks EM, 2560 I/O max, RS-232C serial port, USB programming port, 3 expansion racks max.	3,198.00	4547648519113
268697	CJ2H-CPU65	CPU, 100K steps program, 32K words data memory, 32K words x 4 banks EM, 2560 I/O max, RS-232C serial port, USB programming port, 3 expansion racks max.	2,900.00	4547648638647
249800	CJ2H-CPU65-EIP	CPU with built-in EtherNet/IP port, 100K steps program, 32K words data memory, 32K words x 4 banks EM, 2560 I/O max, RS-232C serial port, USB programming port, 3 expansion racks max.	3,448.00	4547648519120
249801	CJ2H-CPU66-EIP	CPU with built-in EtherNet/IP port, 150K steps program, 32K words data memory, 32K words x 10 banks EM, 2560 I/O max, RS-232C serial port, USB programming port, 3 expansion racks max.	4,640.00	4547648519144
249802	CJ2H-CPU67-EIP	CPU with built-in EtherNet/IP port, 250K steps program, 32K words data memory, 32K words x 15 banks EM, 2560 I/O max, RS-232C serial port, USB programming port, 3 expansion racks max.	5,970.00	4547648519151
249803	CJ2H-CPU68-EIP	CPU with built-in EtherNet/IP port, 400K steps program, 32K words data memory, 32K words x 25 banks EM, 2560 I/O max, RS-232C serial port, USB programming port, 3 expansion racks max.	7,595.00	4547648519168
392391	CJ2M-CPU11	CPU, 5K steps program, 32K words data memory, 32K words x 1 bank EM, 2560 I/O max, RS-232C serial port, USB programming port, 3 expansion racks max.	414.90	4548583498389
392392	CJ2M-CPU12	CPU, 10K steps program, 32K words data memory, 32K words x 1 bank EM, 2560 I/O max, RS-232C serial port, USB programming port, 3 expansion racks max.	597.00	4548583498396
392393	CJ2M-CPU13	CPU, 20K steps program, 32K words data memory, 32K words x 1 bank EM, 2560 I/O max, RS-232C serial port, USB programming port, 3 expansion racks max.	836.00	4548583498402
392394	CJ2M-CPU14	CPU, 30K steps program, 32K words data memory, 32K words x 4 banks EM, 2560 I/O max, RS-232C serial port, USB programming port, 3 expansion racks max.	1,042.00	4548583498419
392395	CJ2M-CPU15	CPU, 60K steps program, 32K words data memory, 32K words x 4 banks EM, 2560 I/O max, RS-232C serial port, USB programming port, 3 expansion racks max.	1,274.00	4548583498426
392396	CJ2M-CPU31	CPU with built-in EtherNet/IP port, 5K steps program, 32K words data memory, 32K words x 1 bank EM, 2560 I/O max, option port for RS-232C/485, USB programming port, 3 expansion racks max.	1,048.00	4548583498433
392397	CJ2M-CPU32	CPU with built-in EtherNet/IP port, 10K steps program, 32K words data memory, 32K words x 1 bank EM, 2560 I/O max, option port for RS-232C/485, USB programming port, 3 expansion racks max.	1,128.00	4548583498440
392398	CJ2M-CPU33	CPU with built-in EtherNet/IP port, 20K steps program, 32K words data memory, 32K words x 1 bank EM, 2560 I/O max, option port for RS-232C/485, USB programming port, 3 expansion racks max.	1,387.00	4548583498457
392399	CJ2M-CPU34	CPU with built-in EtherNet/IP port, 30K steps program, 32K words data memory, 32K words x 4 banks EM, 2560 I/O max, option port for RS-232C/485, USB programming port, 3 expansion racks max.	1,635.00	4548583498464
392400	CJ2M-CPU35	CPU with built-in EtherNet/IP port, 60K steps program, 32K words data memory, 32K words x 4 banks EM, 2560 I/O max, option port for RS-232C/485, USB programming port, 3 expansion racks max.	1,859.00	4548583498471

Short item number	Order code	Description	Price EUR	GTIN
659004	CJ1W-BAT01	Battery for CJ1M PLCs	50.10	4548583950603
147038	CJ1W-CIF11	RS-485 adaptor, 2 or 4 wire, connects directly to RS-232C 9-pin port for serial PLC link, screw terminals on RS-485 side	159.40	4536854855863
136072	CJ1W-TER01	End plate for CJ1 CPU rack or expansion rack. Only required as spare part.	99.85	4536854716195
103601	CS1W-CIF31	Cable, PC USB to RS-232C converter cable, for Windows 98/ME/2000/XP, drivers included on CD-ROM, an Omron programming cable is also required	231.20	4536854935596
103192	HMC-AP001	Memory card adaptor (for memory card to PC PCMCIA port)	96.65	4536854446030
235581	HMC-EF183	Flash memory card, 128MB	161.40	4547648304511
239896	HMC-EF283	Flash memory card, 256MB	510.00	4547648276382
239897	HMC-EF583	Flash memory card, 512MB	736.50	4547648276399



**Power and flexibility**

CJ1 systems can operate on 24 V DC power supply, or on 100 - 240 V AC mains. For small-scale systems with mainly digital I/O a low-cost small-capacity power supply can be used. For systems with many analog I/Os and control/communication units, it may be necessary to use a larger power supply Unit.

Depending on the CPU type, up to 3 expansions can be connected to the CPU 'rack', giving a total capacity of 40 I/O units. The total length of the expansion cables of one system may be up to 12 m.

Short item number	Order code	Description	Price EUR	GTIN
315594	CJ1W-IC101	Expansion I/O control unit, connects to right hand side of CPU	216.00	4547648705998
315595	CJ1W-II101	Expansion I/O interface unit, connects to left hand side of expansion I/O rack, up to 3 expansion racks	250.20	4547648706001
136004	CJ1W-PA202	Power supply unit, 100-240 VAC, output capacity: 14 W	196.40	4536854806018
183314	CJ1W-PA205C	Power supply unit, 100-240 VAC, output capacity: 25 W, with maintenance forecast monitor	362.20	4547648156936
386939	CJ1W-PA205R	Power supply unit, 100-240 VAC, output capacity: 25 W, with RUN output	278.60	4548583452244
315604	CJ1W-PD022	Power supply unit, 24 VDC, output capacity: 19.6 W	123.80	4547648706117
136016	CJ1W-PD025	Power supply unit, 24 VDC, output capacity: 25 W	274.90	4536854827761

8 to 64 points per unit - input, output or mixed



Digital I/O units serve as the PLC's interface to achieve fast, reliable sequence control. A full range of units, from high-speed DC inputs to relay outputs, let you adapt CJ1 to your needs.

CJ1 units are available with various I/O densities and connection technologies. Up to 16 I/O points can be wired to units with detachable M3 screw terminals or screwless clamp terminals. High-density 32- and 64- point I/O units are equipped with standard 40-pin 'flatcable'-connectors. Prefabricated cables and wiring terminals are available for easy interfacing to high-density I/O units.

Short item number	Order code	Description	Price EUR	GTIN
315597	CJ1W-IA111	Digital input unit, 16 x 100-120 VAC inputs, screw terminal	300.50	4547648706025
315598	CJ1W-IA201	Digital input unit, 8 x 200-240 VAC inputs, screw terminal	232.80	4547648706049
382928	CJ1W-ID201	Digital input unit, 8 x 24 VDC, independent inputs, screw terminal	153.50	4548583424968
382929	CJ1W-ID211	Digital input unit, 16 x 24 VDC inputs, screw terminal	190.80	4548583424975
171731	CJ1W-ID211(SL)	Digital input unit, 16 x 24 VDC inputs, screwless clamp terminal	190.80	4547648023092
382930	CJ1W-ID212	Digital high-speed input unit, 16 x 24 VDC inputs, screw terminal	241.50	4548583424982
177393	CJ1W-ID231	Digital input unit, 32 x 24 VDC inputs, FCN40 connector (not included)	324.80	4547648050302
177394	CJ1W-ID232	Digital input unit, 32 x 24 VDC inputs, MIL40 connector (not included)	316.90	4547648050319
270545	CJ1W-ID233	Digital high-speed input unit, 32 x 24 VDC inputs, MIL40 connector (not included)	411.40	4547648610537
177395	CJ1W-ID261	Digital input unit, 64 x 24 VDC inputs, 2 x FCN40 connectors (not included)	534.00	4547648050326
177396	CJ1W-ID262	Digital input unit, 64 x 24 VDC inputs, MIL40 connector (not included)	554.00	4547648050333
315602	CJ1W-IDP01	Digital quick response input unit, 16 x 24 VDC inputs, single shot pulse capture 30 µs minimum, screw terminal	352.10	4547648706094
315596	CJ1W-INT01	Digital interrupt input unit, 16 x 24 VDC inputs, 2 max per CPU, screw terminal	484.50	4547648706018
104549	CJ1W-MD231	Digital I/O unit, 16 x 24 VDC inputs, 16 x transistor outputs, NPN, 0.5 A, 12 to 24 VDC, 2 A max, 2 x FCN24 connectors (not included)	335.20	4536854880971
156708	CJ1W-MD232	Digital I/O unit, 16 x 24 VDC inputs, 16 x transistor outputs, PNP, 0.5 A, 24 VDC, 2 A max, 2 x MIL20 connectors (not included)	424.20	4536854961212
136023	CJ1W-MD233	Digital I/O unit, 16 x 24 VDC inputs, 16 x transistor outputs, NPN, 0.5 A, 12 to 24 VDC, 2 A max, 2 x MIL20 connectors (not included)	338.30	4536854880988
136024	CJ1W-MD261	Digital I/O unit, 32 x 24 VDC inputs, 32 x transistor outputs, NPN, 0.5 A, 12 to 24 VDC, 3.2 A max, 2 x FCN40 connectors (not included)	617.50	4536854880995
156856	CJ1W-MD263	Digital I/O unit, 32 x 24 VDC inputs, 32 x transistor outputs, NPN, 0.5 A, 12 to 24 VDC, 3.2 A max, 2 x MIL40 connectors (not included)	527.50	4536854881008
315599	CJ1W-OA201	Digital output unit, 8 x triac outputs, 250 VAC, 0.6 A, screw terminal	251.80	4547648706056
382931	CJ1W-OC201	Digital output unit, 8 x relay outputs, 250 VAC/24 VDC, 2 A max, independent commons, screw terminal	225.40	4548583424999
171732	CJ1W-OC201(SL)	Digital output unit, 8 x relay outputs, 250 VAC/24 VDC, 2 A max, independent commons, screwless clamp terminal	225.40	4547648023108
382932	CJ1W-OC211	Digital output unit, 16 x relay outputs, 250 VAC/24 VDC, 2 A max, screw terminal	284.20	4548583425002
171733	CJ1W-OC211(SL)	Digital output unit, 16 x relay outputs, 250 VAC/24 VDC, 2 A max, screwless clamp terminal	284.20	4547648023122
315600	CJ1W-OD201	Digital output unit, 8 x transistor outputs, NPN, 2.0 A, 12 to 24 VDC, screw terminal	276.10	4547648706070
315601	CJ1W-OD202	Digital output unit, 8 x transistor outputs, PNP, 2.0 A, 24 VDC, screw terminal	260.60	4547648706087
143440	CJ1W-OD203	Digital output unit, 8 x transistor outputs, NPN, 0.5 A, 24 VDC, screw terminal	193.70	4536854961182
315603	CJ1W-OD204	Digital output unit, 8 x transistor outputs, PNP, 0.5 A, 24 VDC, with short-circuit protection and alarm, screw terminal	207.30	4547648706100
382933	CJ1W-OD211	Digital output unit, 16 x transistor outputs, NPN, 0.5 A, 12 to 24 VDC, screw terminal	225.40	4548583425019
171734	CJ1W-OD211(SL)	Digital output unit, 16 x transistor outputs, NPN, 0.5 A, 12 to 24 VDC, screwless clamp terminal	225.40	4547648023139
382934	CJ1W-OD212	Digital output unit, 16 x transistor outputs, PNP, 0.5 A, 24 VDC, load short-circuit protection, screw terminal	260.10	4548583425026
171735	CJ1W-OD212(SL)	Digital output unit, 16 x transistor outputs, PNP, 0.5 A, 24 VDC, load short-circuit protection, screwless clamp terminal	260.10	4547648023146
270548	CJ1W-OD213	Digital high-speed output unit, 16 x transistor outputs, NPN, 0.5 A, 24VDC, screw terminal	295.80	4547648610568
177398	CJ1W-OD231	Digital output unit, 32 x transistor outputs, NPN, 0.5 A, 12 to 24 VDC, FCN40 connector (not included)	387.80	4547648050357
177399	CJ1W-OD232	Digital output unit, 32 x transistor outputs, PNP, 0.5 A, 24 VDC, load short-circuit protection, MIL40 connector (not included)	454.50	4547648050364
177400	CJ1W-OD233	Digital output unit, 32 x transistor outputs, NPN, 0.5 A, 24 VDC, MIL40 connector (not included)	391.70	4547648050371
270546	CJ1W-OD234	Digital high-speed output unit, 32 x transistor outputs, NPN, 0.5 A, 24VDC, MIL40 connector (not included)	431.20	4547648610544
177401	CJ1W-OD261	Digital output unit, 64 x transistor outputs, NPN, 0.5 A, 12 to 24 VDC, 2 x FCN40 connectors (not included)	617.50	4547648050388
136029	CJ1W-OD262	Digital output unit, 64 x transistor outputs, PNP, 0.3 A, 24 VDC, 2 x MIL40 connectors (not included)	524.50	4536854961205

Short item number	Order code	Description	Price EUR	GTIN
210956	CJ-OD507-18P-5	Set of 5 screw terminal blocks (18-points) for CJ1 I/O units	118.00	4547648850391
172166	CJ-WM01-18P-5	Set of 5 screwless clamp terminal blocks (18-points) for CJ1 I/O units	122.30	4536853882853

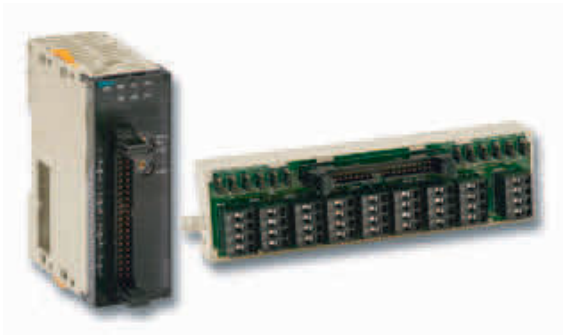


From basic Analogue I/O to advanced temperature control

CJ1 offers a wide choice of analogue input units, fit for any application, from low-speed, multi-channel temperature measurement to high-speed, high-accuracy data acquisition. Analogue outputs can be used for accurate control or external indication. Advanced units with built-in scaling, filtering and alarm functions reduce the need for complex PLC programming. High-accuracy process I/O units support an extensive range of sensors, for fast and accurate data acquisition. Temperature Control units relieve the PLC CPU of PID calculations and alarm monitoring. These functions are handled autonomously by the unit, offering control performance and autotuning functions similar to stand-alone temperature controllers.

Short item number	Order code	Description	Price EUR	GTIN
136033	CJ1W-AD041-V1	Analog input unit, 4 x inputs 1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, 4 to 20 mA, resolution 1:4000 / 8000, screw terminal	784.00	4536854912948
171999	CJ1W-AD041-V1(SL)	Analog input unit, 4 x inputs 1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, 4 to 20 mA, resolution 1:4000 / 8000, screwless clamp terminal	784.00	4547648023252
318067	CJ1W-AD042	Analog high-speed input unit, 4 x inputs 1 to 5 V, 0 to 5 V, 0 to 10 V, -5 to 5 V, -10 to 10 V, 0 to 20 mA, 4 to 20 mA, screw terminal	1,287.00	4547648722797
235350	CJ1W-AD04U	Universal analog input unit, 4 x inputs 1 to 5 V, 0 to 5 V, 0 to 10 V, 0 to 20 mA, 4 to 20 mA, thermocouple (K, J, T, L, R, S, B), Pt100, Pt1000, JPt100, screw terminal	809.00	4547648318266
235351	CJ1W-AD04U(SL)	Universal analog input unit, 4 x inputs 1 to 5 V, 0 to 5 V, 0 to 10 V, 0 to 20 mA, 4 to 20 mA, thermocouple (K, J, T, L, R, S, B), Pt100, Pt1000, JPt100, screwless clamp terminal	809.00	4547648318273
136032	CJ1W-AD081-V1	Analog input unit, 8 x inputs 1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, 4 to 20 mA, resolution 1:4000 / 8000, screw terminal	1,022.00	4536854912931
172000	CJ1W-AD081-V1(SL)	Analog input unit, 8 x inputs 1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, 4 to 20 mA, resolution 1:4000 / 8000, screwless clamp terminal	1,022.00	4547648023269
151233	CJ1W-DA021	Analog output unit, 2 x outputs 1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, 4 to 20 mA, externally powered 24 VDC 140mA, screw terminal	626.50	4536854912962
172001	CJ1W-DA021(SL)	Analog output unit, 2 x outputs 1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, 4 to 20 mA, externally powered 24 VDC 140mA, screwless clamp terminal	626.50	4547648023276
104446	CJ1W-DA041	Analog output unit, 4 x outputs 1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, 4 to 20 mA, externally powered 24 VDC 200 mA, screw terminal	696.50	4536854912955
172002	CJ1W-DA041(SL)	Analog output unit, 4 x outputs 1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, 4 to 20 mA, externally powered 24 VDC 200mA, screwless clamp terminal	696.50	4547648023283
171897	CJ1W-DA08C	Analog output unit, 8 x outputs 4 to 20 mA, resolution 12 bit, screw terminal	961.50	4547648023436
172003	CJ1W-DA08C(SL)	Analog output unit, 8 x outputs 4 to 20 mA, resolution 12 bit, screwless clamp terminal	961.50	4547648023290
171896	CJ1W-DA08V	Analog output unit, 8 x output 1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, resolution 1:4000 scalable to ±32000 or 1:8000, screw terminal	945.00	4547648023443
172004	CJ1W-DA08V(SL)	Analog output unit, 8 x output 1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, resolution 1:4000 scalable to ±32000 or 1:8000, screwless clamp terminal	945.00	4547648023306
372912	CJ1W-F130	Load cell input unit, 1 channel, high-performance, 10 VDC or 2.5 VDC, max. 4 x 350 Ohm load cells, screw terminal	4,097.00	4547648949613
171895	CJ1W-MAD42	Analog I/O unit, 4 x inputs -10 to 10 V, 0 to 5 V, 0 to 10 V, 1 to 5 V, 4 to 20 mA, 2 x outputs -10 to 10 V, 0 to 5 V, 0 to 10 V, 1 to 5 V, 4 to 20 mA, resolution 1:4000 scalable to ±32000 or 1:8000, screw terminal	663.00	4547648023450
172005	CJ1W-MAD42(SL)	Analog I/O unit, 4 x inputs -10 to 10 V, 0 to 5 V, 0 to 10 V, 1 to 5 V, 4 to 20 mA, 2 x outputs -10 to 10 V, 0 to 5 V, 0 to 10 V, 1 to 5 V, 4 to 20 mA, resolution 1:4000 scalable to ±32000 or 1:8000, screwless clamp terminal	663.00	4547648023313
247114	CJ1W-PH41U	Universal analog input unit, high resolution, 4 x inputs ±100mV up to ±10 V, potentiometer, 0 to 20 mA, 4 to 20 mA, thermocouple (K, J, T, E, L, U, N, R, S, B), Pt100 (3-wire), screw terminal	1,497.00	4547648513999
168518	CJ1W-PTS51	Isolated thermocouple input unit, 4 x inputs type K, J, L, R, S, T, B, resolution 0.1 °C, screw terminal	709.50	4547648023214
168519	CJ1W-PTS52	Isolated RTD input unit, 4 x inputs (Pt100 (JIS, IEC), JPt100), resolution 0.1 °C, screw terminal	706.50	4547648023221
135989	CJ1W-TC001	Temperature control unit, R/S/K/J/T/L/B thermocouple inputs, transistor (NPN) output, 4 loops	846.50	4536854740749
142660	CJ1W-TC002	Temperature control unit, R/S/K/J/T/L/B thermocouple inputs, transistor (PNP) output, 4 loops	862.50	4536854740534
155601	CJ1W-TC004	Temperature control unit, R/S/K/J/T/L/B thermocouple inputs, transistor (PNP) output, 2 loops, heater burnout detection function	749.50	4536854903519
143742	CJ1W-TC102	Temperature control unit, Pt100 RTD inputs, transistor (PNP) output, 4 loops	836.00	4536854740572
135992	CJ1W-TC104	Temperature control unit, Pt100 RTD inputs, transistor (PNP) output, 2 loops, heater burnout detection function	749.50	4536854740596
168013	CJ1W-TS561	Thermocouple input unit, 6 x inputs type J, K, resolution 0.1 °C, screw terminal	600.50	4547648023467
180447	CJ1W-TS561(SL)	Thermocouple input unit, 6 x inputs type J, K, resolution 0.1 °C, screwless clamp terminal	600.50	4547648023320
168014	CJ1W-TS562	RTD input unit, 6 x inputs Pt100, Pt1000, 3-wire, resolution 0.1 °C, screw terminal	587.50	4547648023474
172733	CJ1W-TS562(SL)	RTD input unit, 6 x inputs Pt100, Pt1000, 3-wire, resolution 0.1 °C, screwless clamp terminal	587.50	4547648023337





### Add motion control to any CJ-Series PLC

From simple position measurement to multi-axis synchronised motion control, CJ-Series offers a full range of units:

- Counter Units gather position information from SSI- or incremental encoders. Actual positions are compared with internally stored target values.
- CJ2M CPU Units have dedicated positioning functions that can be used by installing up to 2 Pulse I/O option modules.
- Position- and Motion Control Units equipped with MECHATROLINK-II interface can control multiple drives through a single high-speed link. Message routing through multiple communication layers allows the attached drives to be configured from any point in the control network.

Short item number	Order code	Description	Price EUR	GTIN
315605	CJ1W-CT021	High-speed counter unit, 2 axes, 500 kHz, RS422 line driver or open collector input	729.00	4547648708890
180688	CJ1W-CTL41-E	High-speed counter unit, 4 axes, 24 VDC open collector and line driver encoders supported, 100 kHz input max. For 24 VDC open collector signals, use XW2G-40G7-E terminal block and XW2Z-XXXX cables	587.50	4547648089753
180381	CJ1W-CTS21-E	High speed counter unit, 2 axes, SSI absolute encoder inputs, 9-31 bit, Gray/Binary/Taunenbaum/Raw coding, screw terminal	686.50	4547648089739
323223	CJ1W-NC113	Position control unit, 1 axis, NPN open collector pulse string output, 500 KHz	1,127.00	4547648708845
323224	CJ1W-NC213	Position control unit, 2 axes, NPN open collector pulse string output, 500 KHz	1,614.00	4547648708852
323608	CJ1W-NC271	CJ1 Position control unit with MECHATROLINK II, 2 axes	1,399.00	4547648708906
332458	CJ1W-NC281	CJ1 Position Control unit over EtherCAT, 2 axes, 16 nodes	1,564.00	4547648810418
323227	CJ1W-NC413	Position control unit, 4 axes, NPN open collector pulse string output, 500 KHz	2,416.00	4547648708883
332459	CJ1W-NC481	CJ1 Position Control unit over EtherCAT, 4 axes, 16 nodes	2,184.00	4547648810425
339849	CJ1W-NC482	CJ1 Position Control unit over EtherCAT, 4 axes, 64 nodes	2,276.00	4547648837453
339850	CJ1W-NC882	CJ1 Position Control unit over EtherCAT, 8 axes, 64 nodes	2,712.00	4547648837460
323225	CJ1W-NCF71	CJ1 Position control unit with MECHATROLINK II, 16 axes	2,807.00	4547648708869
341746	CJ2M-MD211	Pulse I/O Module for CJ2M, NPN with 10 inputs (four interrupt/quickresponse and two high-speed counter inputs) and 6 outputs (two pulse and two PWM outputs)	244.50	4547648833080
341747	CJ2M-MD212	Pulse I/O Module for CJ2M, PNP with 10 inputs (four interrupt/quickresponse and two high-speed counter inputs) and 6 outputs (two pulse and two PWM outputs)	244.50	4547648833097



Open to any communication

The CJ-Series provides both standardised open networks interfaces, and cost-efficient high-speed proprietary network links. Datalinks between PLCs, or to higher-level information systems can be made using Serial or Ethernet links, or the easy-to-use controller Link network.

- Omron supports the 2 major field networks, DeviceNet and PROFIBUS-DP. For high-speed field I/O, Omron's own CompoBus/S offers an unsurpassed ease of installation. Fully user-configurable Serial and CAN-based communication can be used to emulate a variety of application-specific protocols.

Short item number	Order code	Description	Price EUR	GTIN
258834	CJ1W-CLK23	Controller Link unit for CJ-series, 2-wire twisted pair, screw connectors	819.00	4547648597661
172669	CJ1W-CORT21	User-defined CAN interface unit (11- and 29-bit identifiers)	876.50	4547648093477
315606	CJ1W-CRM21	CompoNet master unit for CJ-series	597.00	4547648708661
258836	CJ1W-DRM21	DeviceNet master/slave unit for CJ-series	766.00	4547648597197
659361	CJ1W-ECT21	EtherCAT Slave Unit, 2 x RJ45 socket	781.50	4548583576568
258403	CJ1W-EIP21	EtherNet/IP unit for CJ-series, 100Base-TX, 1 x RJ45 socket, supports CIP, FINS/UDP and FINS/TCP	1,438.00	4547648597692
258832	CJ1W-ETN21	Ethernet unit for CJ-series, 100Base-TX and 10 Base-T, 1 x RJ45 socket, TCP/IP & UDP/IP socket services, FTP, SMTP, FINS	1,385.00	4547648597586
291927	CJ1W-PNT21	PROFINET IO Controller (master) unit for CJ-series, 1 x RJ45 socket	1,008.00	4547648476584
168022	CJ1W-PRM21	PROFIBUS DP master unit for CJ-series	1,122.00	4547648010955
136031	CJ1W-PRT21	PROFIBUS DP slave unit, up to 100 words in and out, 180 words maximum	756.00	4536854859908
258830	CJ1W-SCU21-V1	Serial communication unit, 2x RS-232C ports, Protocol Macro, Host Link, 1:N NT Link, No protocol, Serial Gateway (CompoWay/F, Modbus-RTU, Modbus-ASCII, Host Link), Modbus RTU Slave	530.50	4547648597272
323397	CJ1W-SCU22	Serial high-speed communication unit, 2x RS-232C ports, Protocol Macro, Host Link, 1:N NT Link, No protocol, Serial Gateway (CompoWay/F, MODBUS-RTU, MODBUS-ASCII, Host Link), MODBUS RTU Slave, up to 230 kbps	1,254.00	4547648779173
258835	CJ1W-SCU31-V1	Serial communication unit, 2x RS422/485 ports, Protocol Macro, Host Link, 1:N NT Link, No protocol, Serial Gateway (CompoWay/F, Modbus-RTU, Modbus-ASCII, Host Link), Modbus RTU Slave	726.50	4547648597685
323398	CJ1W-SCU32	Serial high-speed communication unit, 2x RS-422/485 ports, Protocol Macro, Host Link, 1:N NT Link, No protocol, Serial Gateway (CompoWay/F, MODBUS-RTU, MODBUS-ASCII, Host Link), MODBUS RTU Slave, up to 230 kbps	1,254.00	4547648779180
258831	CJ1W-SCU41-V1	Serial communication unit, 1x RS-232C port + 1x RS422/485 port, Protocol Macro, Host Link, 1:N NT Link, No protocol, Serial Gateway (CompoWay/F, Modbus-RTU, Modbus-ASCII, Host Link), Modbus RTU Slave	666.50	4547648597517
323399	CJ1W-SCU42	Serial high-speed communication unit, 1x RS-232C port + 1x RS-422/485 port, Protocol Macro, Host Link, 1:N NT Link, No protocol, Serial Gateway (CompoWay/F, MODBUS-RTU, MODBUS-ASCII, Host Link), MODBUS RTU Slave, up to 230 kbps	1,198.00	4547648779197
258837	CJ1W-SRM21	CompoBus/S master unit for CJ-series	401.60	4547648597494

### Best in class compact machine controller



When it comes to controllers for compact machines, our CP1L series offers the compactness of a micro-PLC with the capabilities of a modular PLC. It provides all the functionality you need to control your machine, including outstanding positioning capability. On top of this some CP1L models have an embedded Ethernet port with socket services functionality to give you flexible connectivity for monitoring, operating, logging and remote access. The CP1L is completed with a range of optional boards for serial communication or analogue I/O and further expansion units in case more I/O is needed. As the CP1L series shares the same architecture as the CP1H, CJ1, and CS1 series, programs are compatible for memory allocations and instructions.

Short item number	Order code	Description	Price EUR	GTIN
667993	CP1L-EL20DR-D	PLC, 24 VDC supply, 12 x 24 VDC inputs, 8 x relay outputs 2 A, 2 x analog inputs, 5K steps program + 10K words data memory, 1 x Ethernet port	358.40	4548583751880
667994	CP1L-EL20DT1-D	PLC, 24 VDC supply, 12 x 24 VDC inputs, 8 x PNP outputs 0.3 A, 2 x analog inputs, 5K steps program + 10K words data memory, 1 x Ethernet port	358.40	4548583751897
667986	CP1L-EL20DT-D	PLC, 24 VDC supply, 12 x 24 VDC inputs, 8 x NPN outputs 0.3 A, 2 x analog inputs, 5K steps program + 10K words data memory, 1 x Ethernet port	358.40	4548583751903
667992	CP1L-EM30DR-D	PLC, 24 VDC supply, 18 x 24 VDC inputs, 12 x relay outputs 2 A, 2 x analog inputs, 10K steps program + 32K words data memory, 1 x Ethernet port	464.00	4548583751910
667990	CP1L-EM30DT1-D	PLC, 24 VDC supply, 18 x 24 VDC inputs, 12 x PNP outputs 0.3 A, 2 x analog inputs, 10K steps program + 32K words data memory, 1 x Ethernet port	464.00	4548583751927
667988	CP1L-EM30DT-D	PLC, 24 VDC supply, 18 x 24 VDC inputs, 12 x NPN outputs 0.3 A, 2 x analog inputs, 10K steps program + 32K words data memory, 1 x Ethernet port	464.00	4548583751934
667987	CP1L-EM40DR-D	PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x relay outputs 2 A, 2 x analog inputs, 10K steps program + 32K words data memory, 1 x Ethernet port	577.50	4548583751941
667991	CP1L-EM40DT1-D	PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x PNP outputs 0.3 A, 2 x analog inputs, 10K steps program + 32K words data memory, 1 x Ethernet port	577.50	4548583751958
667989	CP1L-EM40DT-D	PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x NPN outputs 0.3 A, 2 x analog inputs, 10K steps program + 32K words data memory, 1 x Ethernet port	577.50	4548583751965
668681	CP1L-L10DR-A	PLC, 100-240 VAC supply, 6 x 24 VDC inputs, 4 x relay outputs 2 A, 5K steps program + 10K words data memory	284.80	4548583764736
668679	CP1L-L10DR-D	PLC, 24 VDC supply, 6 x 24 VDC inputs, 4 x relay outputs 2 A, 5K steps program + 10K words data memory	275.50	4548583764743
668671	CP1L-L10DT1-D	PLC, 24 VDC supply, 6 x 24 VDC inputs, 4 x PNP outputs 0.3 A, 5K steps program + 10K words data memory	270.40	4548583764750
668670	CP1L-L14DR-A	PLC, 100-240 VAC supply, 8 x 24 VDC inputs, 6 x relay outputs 2 A, 5K steps program + 10K words data memory	361.80	4548583764781
668663	CP1L-L14DR-D	PLC, 24 VDC supply, 8 x 24 VDC inputs, 6 x relay outputs 2 A, 5K steps program + 10K words data memory	318.50	4548583764798
668660	CP1L-L14DT1-D	PLC, 24 VDC supply, 8 x 24 VDC inputs, 6 x PNP outputs 0.3 A, 5K steps program + 10K words data memory	321.50	4548583764804
668666	CP1L-L14DT-D	PLC, 24 VDC supply, 8 x 24 VDC inputs, 6 x NPN outputs 0.3 A, 5K steps program + 10K words data memory	320.70	4548583764828
668673	CP1L-L20DR-A	PLC, 100-240 VAC supply, 12 x 24 VDC inputs, 8 x relay outputs 2 A, 5K steps program + 10K words data memory	418.10	4548583764835
668692	CP1L-L20DR-D	PLC, 24 VDC supply, 12 x 24 VDC inputs, 8 x relay outputs 2 A, 5K steps program + 10K words data memory	418.10	4548583764842
668690	CP1L-L20DT1-D	PLC, 24 VDC supply, 12 x 24 VDC inputs, 8 x PNP outputs 0.3 A, 5K steps program + 10K words data memory	418.10	4548583764859
668694	CP1L-L20DT-D	PLC, 24 VDC supply, 12 x 24 VDC inputs, 8 x NPN outputs 0.3 A, 5K steps program + 10K words data memory	418.10	4548583764873
668695	CP1L-M30DR-A	PLC, 100-240 VAC supply, 18 x 24 VDC inputs, 12 x relay outputs 2 A, 10K steps program + 32K words data memory	524.50	4548583764880
668668	CP1L-M30DR-D	PLC, 24 VDC supply, 18 x 24 VDC inputs, 12 x relay outputs 2 A, 10K steps program + 32K words data memory	524.50	4548583764897
668688	CP1L-M30DT1-D	PLC, 24 VDC supply, 18 x 24 VDC inputs, 12 x PNP outputs 0.3 A, 10K steps program + 32K words data memory	524.50	4548583764903
668662	CP1L-M30DT-D	PLC, 24 VDC supply, 18 x 24 VDC inputs, 12 x NPN outputs 0.3 A, 10K steps program + 32K words data memory	524.50	4548583764927
668686	CP1L-M40DR-A	PLC, 100-240 VAC supply, 24 x 24 VDC inputs, 16 x relay outputs 2 A, 10K steps program + 32K words data memory	607.00	4548583764934
668689	CP1L-M40DR-D	PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x relay outputs 2 A, 10K steps program + 32K words data memory	607.00	4548583764941
668678	CP1L-M40DT1-D	PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x PNP outputs 0.3 A, 10K steps program + 32K words data memory	607.00	4548583764958
668674	CP1L-M40DT-D	PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x NPN outputs 0.3 A, 10K steps program + 32K words data memory	607.00	4548583764972
668661	CP1L-M60DR-A	PLC, 100-240 VAC supply, 36 x 24 VDC inputs, 24 x relay outputs 2 A, 10K steps program + 32K words data memory	775.50	4548583764989



Short item number	Order code	Description	Price EUR	GTIN
668676	CP1L-M60DR-D	PLC, 24 VDC supply, 36 x 24 VDC inputs, 24 x relay outputs 2 A, 10K steps program + 32K words data memory	775.50	4548583764996
668665	CP1L-M60DT1-D	PLC, 24 VDC supply, 36 x 24 VDC inputs, 24 x PNP outputs 0.3 A, 10K steps program + 32K words data memory	775.50	4548583765009
668672	CP1L-M60DT-D	PLC, 24 VDC supply, 36 x 24 VDC inputs, 24 x NPN outputs 0.3 A, 10K steps program + 32K words data memory	775.50	4548583765023

Short item number	Order code	Description	Price EUR	GTIN
364430	CP1W-ADB21	I/O option board (only CP1L-EL/EM port 1 or 2), 2 x analog inputs 0 to 10 V, resolution 1/4000 or 0 to 20 mA, resolution 1:2000	105.50	4548583106703
678518	CP1W-BAT01	Battery for the CP1 PLC	19.69	4549734925969
672569	CP1W-CIF01	CP1 RS-232C (15 m max.) serial communication option board	53.70	4548583810914
672570	CP1W-CIF11	CP1 RS422/485 (50 m max.) serial communication option board	53.70	4548583810921
673349	CP1W-CIF41	CP1 Ethernet communications option, 1 x RJ45 socket	320.20	4548583810945
676856	CP1W-CN221	USB Programming cable, A-type male to B-type male, 1.8 m	9.82	4549734914413
209406	CP1W-CN811	I/O expansion cable for CP1-series, 80 cm	79.90	4547648203630
364431	CP1W-DAB21V	I/O option board (only CP1L-EL/EM port 1 or 2), 2 x analog outputs 0 to 10 V, resolution 1:4000	105.50	4548583106710
247844	CP1W-DAM01	LCD option board to CP1L and CP1H	121.20	4547648527286
365009	CP1W-EIP61	CP1 EtherNet/IP communications option, for datalink function only, 1 x RJ45 socket	412.50	4547648934893
364429	CP1W-MAB221	I/O option board (only CP1L-EL/EM port 1 or 2), 2 x analog inputs 0 to 10 V, resolution 1:4000 or 0 to 20 mA, resolution 1:2000, 2 x analog outputs 0 to 10 V, resolution 1:4000	183.30	4548583106697
209405	CP1W-ME05M	CP1 memory cassette (for upload/download of user program)	63.40	4547648203623
365010	CP1W-MODTCP61	CP1 Modbus TCP communications option, Master or Slave, 1 x RJ45 socket	398.20	4547648934909

## CP1E

## Compact PLC

### The economic machine controller



Short item number	Order code	Description	Price EUR	GTIN
333280	CP1E-E10DR-A	PLC, 100-240 VAC supply, 6 x 24 VDC inputs, 4 x relay outputs 2 A, 2K steps program + 2K words data memory	169.30	4547648800792
333283	CP1E-E10DR-D	PLC, 24 VDC supply, 6 x 24 VDC inputs, 4 x relay outputs 2 A, 2K steps program + 2K words data memory	169.30	4547648800822
333285	CP1E-E10DT1-D	PLC, 24 VDC supply, 6 x 24 VDC inputs, 4 x PNP outputs 0.3 A, 2K steps program + 2K words data memory	169.30	4547648800846
333286	CP1E-E14DR-A	PLC, 100-240 VAC supply, 8 x 24 VDC inputs, 6 x relay outputs 2 A, 2K steps program + 2K words data memory	216.00	4547648800853
377329	CP1E-E14SDR-A	PLC, 100-240 VAC supply, 8 x 24 VDC inputs, 6 x relay outputs 2 A, 2K steps program + 2K words data memory, no expandability	121.70	4548583371187
279802	CP1E-E20DR-A	PLC, 100-240 VAC supply, 12 x 24 VDC inputs, 8 x relay outputs 2 A, 2K steps program + 2K words data memory	263.30	4547648639286
377342	CP1E-E20SDR-A	PLC, 100-240 VAC supply, 12 x 24 VDC inputs, 8 x relay outputs 2 A, 2K steps program + 2K words data memory, no expandability	150.10	4548583371194
279803	CP1E-E30DR-A	PLC, 100-240 VAC supply, 18 x 24 VDC inputs, 12 x relay outputs 2 A, 2K steps program + 2K words data memory	358.40	4547648639293
377330	CP1E-E30SDR-A	PLC, 100-240 VAC supply, 18 x 24 VDC inputs, 12 x relay outputs 2 A, 2K steps program + 2K words data memory	189.70	4548583371200
279804	CP1E-E40DR-A	PLC, 100-240 VAC supply, 24 x 24 VDC inputs, 16 x relay outputs 2 A, 2K steps program + 2K words data memory	434.70	4547648639309
377331	CP1E-E40SDR-A	PLC, 100-240 VAC supply, 24 x 24 VDC inputs, 16 x relay outputs 2 A, 2K steps program + 2K words data memory	250.80	4548583371217
377332	CP1E-E60SDR-A	PLC, 100-240 VAC supply, 36 x 24 VDC inputs, 24 x relay outputs 2 A, 2K steps program + 2K words data memory	316.60	4548583371224
333287	CP1E-N14DR-A	PLC, 100-240 VAC supply, 8 x 24 VDC inputs, 6 x relay outputs 2 A, 8K steps program + 8K words data memory, RS-232C port	258.60	4547648800860
333290	CP1E-N14DR-D	PLC, 24 VDC supply, 8 x 24 VDC inputs, 6 x relay outputs 2 A, 8K steps program + 8K words data memory, RS-232C port	247.40	4547648800891
333292	CP1E-N14DT1-D	PLC, 24 VDC supply, 8 x 24 VDC inputs, 6 x PNP outputs 0.3 A, 8K steps program + 8K words data memory, RS-232C port	258.60	4547648800914

Short item number	Order code	Description	Price EUR	GTIN
279799	CP1E-N20DR-A	PLC, 100-240 VAC supply, 12 x 24 VDC inputs, 8 x relay outputs 2 A, 8K steps program + 8K words data memory, RS-232C port	341.80	4547648639194
298943	CP1E-N20DR-D	PLC, 24 VDC supply, 12 x 24 VDC inputs, 8 x relay outputs 2 A, 8K steps program + 8K words data memory, RS-232C port	341.80	4547648730716
298937	CP1E-N20DT1-D	PLC, 24 VDC supply, 12 x 24 VDC inputs, 8 x PNP outputs 0.3 A, 8K steps program + 8K words data memory, RS-232C port	341.80	4547648730730
298944	CP1E-N20DT-D	PLC, 24 VDC supply, 12 x 24 VDC inputs, 8 x NPN outputs 0.3 A, 8K steps program + 8K words data memory, RS-232C port	341.80	4547648730723
279800	CP1E-N30DR-A	PLC, 100-240 VAC supply, 18 x 24 VDC inputs, 12 x relay outputs 2 A, 8K steps program + 8K words data memory, RS-232C port	431.20	4547648639224
298945	CP1E-N30DR-D	PLC, 24 VDC supply, 18 x 24 VDC inputs, 12 x relay outputs 2 A, 8K steps program + 8K words data memory, RS-232C port	431.20	4547648730747
298938	CP1E-N30DT1-D	PLC, 24 VDC supply, 18 x 24 VDC inputs, 12 x PNP outputs 0.3 A, 8K steps program + 8K words data memory, RS-232C port	431.20	4547648730761
298946	CP1E-N30DT-D	PLC, 24 VDC supply, 18 x 24 VDC inputs, 12 x NPN outputs 0.3 A, 8K steps program + 8K words data memory, RS-232C port	431.20	4547648730754
377333	CP1E-N30S1DR-A	PLC, 100-240 VAC supply, 18 x 24 VDC inputs, 12 x relay outputs 2 A, 8K steps program + 8K words data memory, RS-232C and RS-485 (half-duplex) port	240.30	4548583371330
377335	CP1E-N30S1DT1-D	PLC, 24 VDC supply, 18 x 24 VDC inputs, 12 x PNP outputs 0.3 A, 8K steps program + 8K words data memory, RS-232C and RS-485 (half-duplex) port	221.30	4548583371354
377334	CP1E-N30S1DT-D	PLC, 24 VDC supply, 18 x 24 VDC inputs, 12 x NPN outputs 0.3 A, 8K steps program + 8K words data memory, RS-232C and RS-485 (half-duplex) port	221.30	4548583371347
279801	CP1E-N40DR-A	PLC, 100-240 VAC supply, 24 x 24 VDC inputs, 16 x relay outputs 2 A, 8K steps program + 8K words data memory, RS-232C port	504.50	4547648639255
298947	CP1E-N40DR-D	PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x relay outputs 2 A, 8K steps program + 8K words data memory, RS-232C port	504.50	4547648730778
298936	CP1E-N40DT1-A	PLC, 100-240 VAC supply, 24 x 24 VDC inputs, 16 x PNP outputs 0.3 A, 8K steps program + 8K words data memory, RS-232C port	504.50	4547648639279
298939	CP1E-N40DT1-D	PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x PNP outputs 0.3 A, 8K steps program + 8K words data memory, RS-232C port	504.50	4547648730792
298948	CP1E-N40DT-D	PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x NPN outputs 0.3 A, 8K steps program + 8K words data memory, RS-232C port	504.50	4547648730785
377343	CP1E-N40S1DR-A	PLC, 100-240 VAC supply, 24 x 24 VDC inputs, 16 x relay outputs 2 A, 8K steps program + 8K words data memory, RS-232C and RS-485 (half-duplex) port	256.50	4548583371361
377337	CP1E-N40S1DT1-D	PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x PNP outputs 0.3 A, 8K steps program + 8K words data memory, RS-232C and RS-485 (half-duplex) port	256.20	4548583371385
377336	CP1E-N40S1DT-D	PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x NPN outputs 0.3 A, 8K steps program + 8K words data memory, RS-232C and RS-485 (half-duplex) port	256.20	4548583371378
333293	CP1E-N60DR-A	PLC, 100-240 VAC supply, 36 x 24 VDC inputs, 24 x relay outputs 2 A, 8K steps program + 8K words data memory, RS-232C port	686.50	4547648800921
333296	CP1E-N60DR-D	PLC, 24 VDC supply, 36 x 24 VDC inputs, 24 x relay outputs 2 A, 8K steps program + 8K words data memory, RS-232C port	686.50	4547648800952
333298	CP1E-N60DT1-D	PLC, 24 VDC supply, 36 x 24 VDC inputs, 24 x PNP outputs 0.3 A, 8K steps program + 8K words data memory, RS-232C port	686.50	4547648800976
377338	CP1E-N60S1DR-A	PLC, 100-240 VAC supply, 36 x 24 VDC inputs, 24 x relay outputs 2 A, 8K steps program + 8K words data memory, RS-232C and RS-485 (half-duplex) port	338.30	4548583371392
377340	CP1E-N60S1DT1-D	PLC, 24 VDC supply, 36 x 24 VDC inputs, 24 x PNP outputs 0.3 A, 8K steps program + 8K words data memory, RS-232C and RS-485 (half-duplex) port	338.30	4548583371415
377339	CP1E-N60S1DT-D	PLC, 24 VDC supply, 36 x 24 VDC inputs, 24 x NPN outputs 0.3 A, 8K steps program + 8K words data memory, RS-232C and RS-485 (half-duplex) port	338.30	4548583371408
328738	CP1E-NA20DR-A	PLC, 100-240 VAC supply, 12 x 24 VDC inputs, 8 x relay outputs 2 A, 2 x analog inputs, 1 x analog output, resolution 1/6000, 8K steps program + 8K words data memory, RS-232C port	597.00	4547648800761
328740	CP1E-NA20DT1-D	PLC, 24 VDC supply, 12 x 24 VDC inputs, 8 x PNP outputs 0.3 A, 2 x analog inputs, 1 x analog output, resolution 1/6000, 8K steps program + 8K words data memory, RS-232C port	597.00	4547648800785



### Fastest compact machine controller

Designed for compact machines, it combines the size of a micro PLC and the power of a modular PLC. Four built-in high-speed counters and four pulse outputs are ideal for multi-axis positioning control. The CP1H-XA comes with 4 analog inputs and 2 analog outputs built-in. This makes it suitable for simple loop control, using the PLC's advanced PID control function with auto-tuning. The CP1H can be expanded with CP1W I/Os and supports up to 2 CJ1 special I/O units. This means that it is open to popular fieldbuses and supports all communication units of the CJ1 series.

- Up to 1 MHz for inputs/outputs
- CJ1M compatible instruction set and execution speed
- 4 analog inputs and 2 analog outputs for the XA model
- USB port for easy communication, programming and configuration
- Supports PROFIBUS, DeviceNet, CAN and Ethernet

Short item number	Order code	Description	Price EUR	GTIN
209400	CP1H-X40DR-A	PLC, 100-240 VAC supply, 24 x 24 VDC inputs, 16 x relay outputs 2 A, 1 x analog input, 20K steps program + 32K words data memory	892.00	4547648203579
209402	CP1H-X40DT1-D	PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x PNP outputs 0.3 A, 1 x analog input, 20K steps program + 32K words data memory	892.00	4547648203593
209401	CP1H-X40DT-D	PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x NPN outputs 0.3 A, 1 x analog input, 20K steps program + 32K words data memory	892.00	4547648203586
209397	CP1H-XA40DR-A	PLC, 100-240 VAC supply, 24 x 24 VDC inputs, 16 x relay outputs 2 A, 4 x analog inputs, 2 x analog outputs, 20K steps program + 32K words data memory	1,371.00	4547648203548
209399	CP1H-XA40DT1-D	PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x PNP outputs 0.3 A, 4 x analog inputs, 2 x analog outputs, 20K steps program + 32K words data memory	1,371.00	4547648203562
209398	CP1H-XA40DT-D	PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x NPN outputs 0.3 A, 4 x analog inputs, 2 x analog outputs, 20K steps program + 32K words data memory	1,371.00	4547648203555

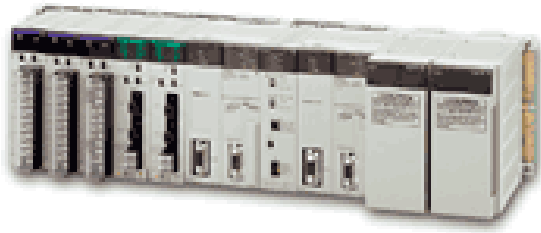
Short item number	Order code	Description	Price EUR	GTIN
209407	CP1W-EXT01	CP1H CPU to CJ1W unit adapter, includes CJ endplate	95.95	4547648203647

## Expand the capacity of your Compact PLC

A wide variety of expansion units such as Digital I/O, Analog I/O and Remote I/O are available to create the application you need. These CP1W / CPM1A expansion units can be used for CPM1A, CPM2A, CP1E, CP1L and CP1H series PLC.



Short item number	Order code	Description	Price EUR	GTIN
670917	CP1W-16ER	I/O expansion unit, 16 x relay outputs 2 A	228.10	4548583810747
670913	CP1W-16ET	I/O expansion unit, 16 x NPN outputs 0.3 A	201.50	4548583810754
670918	CP1W-16ET1	I/O expansion unit, 16 x PNP outputs 0.3 A	201.50	4548583810761
670923	CP1W-20EDR1	I/O expansion unit, 12 x 24 VDC inputs, 8 x relay outputs 2 A	219.20	4548583810778
670912	CP1W-20EDT	I/O expansion unit, 12 x 24 VDC inputs, 8 x NPN outputs 0.3 A	227.30	4548583810785
670919	CP1W-20EDT1	I/O expansion unit, 12 x 24 VDC inputs, 8 x PNP outputs 0.3 A	227.30	4548583810792
670914	CP1W-32ER	I/O expansion unit, 32 x relay outputs 2 A	387.80	4548583810808
670920	CP1W-32ET	I/O expansion unit, 32 x NPN outputs 0.3 A	387.80	4548583810815
670910	CP1W-32ET1	I/O expansion unit, 32 x PNP outputs 0.3 A	387.80	4548583810822
670909	CP1W-40EDR	I/O expansion unit, 24 x 24 VDC inputs, 16 x relay outputs 2 A	401.60	4548583810839
670915	CP1W-40EDT	I/O expansion unit, 24 x 24 VDC inputs, 16 x NPN outputs 0.3 A	404.50	4548583810846
670921	CP1W-40EDT1	I/O expansion unit, 24 x 24 VDC inputs, 16 x PNP outputs 0.3 A	395.20	4548583810853
670916	CP1W-8ED	I/O expansion unit, 8 x 24 VDC inputs	155.40	4548583810860
670922	CP1W-8ER	I/O expansion unit, 8 x relay outputs 2 A	157.80	4548583810877
670911	CP1W-8ET	I/O expansion unit, 8 x NPN outputs 0.3 A	170.50	4548583810884
670924	CP1W-8ET1	I/O expansion unit, 8 x PNP outputs 0.3 A	175.00	4548583810891
671145	CP1W-AD041	I/O expansion unit, 4 x analog inputs 1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, 0 to 20 mA, 4 to 20 mA, resolution 1:6000	398.10	4548583810907
671144	CP1W-AD042	I/O expansion unit, 4 x analog inputs 0 to 5 V, 1 to 5 V, 0 to 10 V, -10 to 10 V, 0 to 20 mA, 4 to 20 mA	218.30	4548583810983
671147	CP1W-DA021	I/O expansion unit, 2 x analog outputs 0 to 5 V, 1 to 5 V, 0 to 10 V, -10 to 10 V, 0 to 20 mA, 4 to 20 mA, resolution 1:6000	387.80	4548583810952
671148	CP1W-DA041	I/O expansion unit, 4 x analog outputs 0 to 5 V, 1 to 5 V, 0 to 10 V, -10 to 10 V, 0 to 20 mA, 4 to 20 mA, resolution 1:6000	441.60	4548583810969
671146	CP1W-DA042	I/O expansion unit, 4 x analog outputs 1 to 5 V, 0 to 10 V, -10 to 10 V, 0 to 20 mA, 4 to 20 mA	235.20	4548583810990
671149	CP1W-MAD11	I/O expansion unit, 2 x analog inputs 0 to 20 mA, 4 to 20 mA, 0 to 5 V, 1 to 5 V, 0 to 10 V, -10 to 10 V, 1 x analog output 0 to 20 mA, 4 to 20 mA, 1 to 5 V, 0 to 10 V, -10 to 10 V, resolution 1:6000	444.30	4548583810976
671151	CP1W-MAD42	I/O expansion unit, 4 x analog inputs and 2 x analog outputs	282.70	4548583811003
671150	CP1W-MAD44	I/O expansion unit, 4 x analog inputs and 4 x analog outputs	401.60	4548583811010
250196	CP1W-SRT21	CP1 CompoBus/S I/O data link unit	232.80	4547648511223
673348	CP1W-TS001	I/O expansion unit, 2 x thermocouple inputs type J, K	368.30	4548583811034
673347	CP1W-TS002	I/O expansion unit, 4 x thermocouple inputs type J, K	464.00	4548583811041
674253	CP1W-TS003	I/O expansion unit, 4 x thermocouple inputs type J, K or 2 x type J, K and 2 x analog inputs	243.90	4548583811027
401523	CP1W-TS004	I/O expansion unit, 12 x thermocouple inputs type J, K	401.30	4548583557932
672572	CP1W-TS101	I/O expansion unit, 2 x RTD inputs Pt100	368.30	4548583811058
672573	CP1W-TS102	I/O expansion unit, 4 x RTD inputs Pt100	464.00	4548583811065



### The dual-redundant PLC system for never-fail control

CS1D adds a number of dual-redundancy options to the well-proven CS1 architecture to ensure around-the-clock operation without minimal downtime. Duplex CPUs, with or without loop control functions, are continuously cross-checked for errors, without the need for special programs to be written by the user. An even simpler way to increase system availability is to use dual power supply units. Hot swapping of CPUs, power supplies and I/O units allow system maintenance with little or no process interruption.

- Choose the level of redundancy needed; CPU, power supply, communication
- No special programming or software tools required
- Hot-swapping of I/O units
- All standard CS1 I/O units can be mounted
- Ideal for control of power generators, water supply utilities, 24/7 production.

Short item number	Order code	Description	Price EUR	GTIN
224561	CS1W-CN114	Communication adapter, CQM1-PRO01 to CS1/CQM1H/CPM2C, 0.1 m	81.90	4547648227056
224559	CS1W-CN118	Communication adapter, CS1/CQM1H/CPM2C peripheral port to 9-pin receptacle (use with XWZ-***S-CV), 0.1 m	81.90	4547648227025
224557	CS1W-CN226	Communication cable, CS1/CQM1H/CPM2C/CJ1 peripheral port to PC 9-pin RS-232C port, 2 m	117.30	4547648226998
224558	CS1W-CN626	Communication cable, CS1/CQM1H/CPM2C peripheral port to PC 9-pin RS-232C port, 6 m	169.30	4547648227001

## WE70

## Ethernet cables and accessories



### FA Wireless LAN unit

WE70 utilises spread-spectrum modulation technology based on radio waves to enable communication between devices in a limited area. This gives users the mobility to move around within a broad coverage area and still be connected to the network. The smart roaming function enables high speed roaming therefore moving equipment and mobile object can communicate at high speed.

- Conforms to IEEE 802.11a/b/g.
- Same noise and environment resistance level as a PLC.
- Features OMRON'S original security system.
- Signals can be observed with LED indicators.
- Conforms to radio wave standards for the USA, Europe, and China.

Short item number	Order code	Description	Price EUR	GTIN
239023	WE70-AP-EU	Wireless Ethernet Access Point, 2.4 GHz and 5 GHz supported	2,220.00	4547648424257
239025	WE70-AT001H	Wireless Ethernet magnet-base antennae (set of 2)	271.20	4547648424462
239024	WE70-CL-EU	Wireless Ethernet Client, 2.4 GHz and 5 GHz supported	1,350.00	4547648424264

## Additional PLC

## Additional PLC

Short item number	Order code	Description	Price EUR	GTIN
224537	CS1W-CN133	I/O expansion rack connecting cable for NJ/CJ/CS-series, 10 m	457.80	4547648226868
224538	CS1W-CN133-B2	CS1/CJ/NJ connecting cable, 12 m	574.00	4547648226875
224550	CS1W-CN223	I/O expansion rack connecting cable for NJ/CJ/CS-series, 2 m	215.40	4547648226837
224548	CS1W-CN313	I/O expansion rack connecting cable for NJ/CJ/CS-series, 30 cm	95.55	4547648226813
224551	CS1W-CN323	I/O expansion rack connecting cable for NJ/CJ/CS-series, 3 m	246.70	4547648226844
224552	CS1W-CN523	I/O expansion rack connecting cable for NJ/CJ/CS-series, 5 m	287.40	4547648226851
224549	CS1W-CN713	I/O expansion rack connecting cable for NJ/CJ/CS-series, 70 cm	142.80	4547648226820



**Performance and practicality for machine control**

Modern machine control requires system-wide synchronisation of motion axes with microsecond accuracy. The NX I/O system offers this timing accuracy and repeatability for a wide variety of in- and outputs. Its ultra-fast internal bus system is synchronised with the Distributed Clock of the EtherCAT network, resulting in system-wide deterministic I/O operation.

- Ideal match with Sysmac Machine automation controllers and CJ2-series PLC's
- Synchronous I/O updates, system-wide, with less than 1 µs jitter using EtherCAT
- High density: up to 16 digital or 8 analog signals in 12 mm width
- Removable wiring terminals for easy system assembly and testing

Short item number	Order code	Description	Price EUR	GTIN
375627	NX-AD2204	2 Analog Inputs, 4 to 20 mA differential, resolution 1:8000, 250 µs/ch, screwless push-in connector, 12 mm wide	198.60	4548583353336
375628	NX-AD2208	2 Analog Inputs, 4 to 20 mA differential, resolution 1:30000, 10 µs/ch, screwless push-in connector, 12 mm wide	255.20	4548583353343
375618	NX-AD2604	2 Analog Inputs, -10 to 10 V differential, resolution 1:8000, 250 µs/ch, screwless push-in connector, 12 mm wide	198.60	4548583353244
375619	NX-AD2608	2 Analog Inputs, -10 to 10 V differential, resolution 1:30000, 10 µs/ch, screwless push-in connector, 12 mm wide	255.20	4548583353251
375631	NX-AD3208	4 Analog Inputs, 4 to 20 mA differential, resolution 1:30000, 10 µs/ch, screwless push-in connector, 12 mm wide	352.40	4548583353374
375620	NX-AD3603	4 Analog Inputs, -10 to 10 V single ended, resolution 1:8000, 250 µs/ch, screwless push-in connector, 12 mm wide	226.50	4548583353268
375621	NX-AD3604	4 Analog Inputs, -10 to 10 V differential, resolution 1:8000, 250 µs/ch, screwless push-in connector, 12 mm wide	226.50	4548583353275
375622	NX-AD3608	4 Analog Inputs, -10 to 10 V differential, resolution 1:30000, 10 µs/ch, screwless push-in connector, 12 mm wide	352.40	4548583353282
375634	NX-AD4208	8 Analog Inputs, 4 to 20 mA differential, resolution 1:30000, 10 µs/ch, screwless push-in connector, 12 mm wide	452.00	4548583353404
375623	NX-AD4603	8 Analog Inputs, -10 to +10 V single ended, resolution 1:8000, 250 µs/ch, screwless push-in connector, 12 mm wide	311.50	4548583353299
375624	NX-AD4604	8 Analog Inputs, -10 to +10 V differential, resolution 1:8000, 250 µs/ch, screwless push-in connector, 12 mm wide	311.50	4548583353305
375625	NX-AD4608	8 Analog Inputs, -10 to +10 V differential, resolution 1:30000, 10 µs/ch, screwless push-in connector, 12 mm wide	452.00	4548583353312
656498	NX-CIF101	Serial Communication Interface Unit, 1 x RS-232C, screwless push-in connector, 12 mm wide	362.80	4548583588653
656497	NX-CIF105	Serial Communication Interface Unit, 1 x RS-422/485C, screwless push-in connector, 12 mm wide	362.80	4548583588660
656499	NX-CIF210	Serial Communication Interface Unit, 2 x RS-232C, 9-pin D-sub, 30 mm wide	426.80	4548583588677
684732	NX-CSG320	Safety Gateway for CIP-Safety, SD-Card slot, iBus connection up to 10 A, Interface 1: Ethernet/IP port, Interface 2: CIP-Safety switching ports	1,038.00	4549734205719
375639	NX-DA2203	2 Analog Outputs, 4 - 20 mA, resolution 1:8000, 250 µs/ch, screwless push-in connector, 12 mm wide	217.30	4548583353459
375640	NX-DA2205	2 Analog Outputs, 4 - 20 mA, resolution 1:30000, 10 µs/ch, screwless push-in connector, 12 mm wide	273.40	4548583353466
375636	NX-DA2605	2 Analog Outputs, -10 to 10 V, resolution 1:30000, 10 µs/ch, screwless push-in connector, 12 mm wide	273.40	4548583353428
375642	NX-DA3205	4 Analog Outputs, 4 - 20 mA, resolution 1:30000, 10 µs/ch, screwless push-in connector, 12 mm wide	369.50	4548583353480
375638	NX-DA3605	4 Analog Outputs, -10 to 10 V, resolution 1:30000, 10 µs/ch, screwless push-in connector, 12 mm wide	369.50	4548583353442
393633	NX-EC0112	1 x Incremental Encoder NPN Input, Phases A and B: Single-phase 500 kHz (phase difference pulse Input x4: 125 kHz), Phase Z: 125 kHz, screwless push-in connector, 12 mm wide	236.80	4548583552104
375645	NX-EC0122	1 x Incremental Encoder PNP Input, Phases A and B: Single-phase 500 kHz (phase difference pulse Input x4: 125 kHz), Phase Z: 125 kHz, screwless push-in connector, 12 mm wide	221.20	4548583353619
393635	NX-EC0132	1 x Incremental Encoder Line driver Input, Phases A and B: Single-phase 4 MHz (phase difference pulse Input x4: 1 MHz), Phase Z: 1 MHz, NPN, screwless push-in connectors, 24 mm wide	369.50	4548583552128
375647	NX-EC0142	1 x Incremental Encoder Line driver Input, phases A and B: single-phase 4 MHz (phase difference pulse Input x4: 1 MHz), Phase Z: 1 MHz, PNP, screwless push-in connectors, 24 mm wide	342.80	4548583353633
393634	NX-EC0212	2 x Incremental Encoder NPN Inputs, Phases A and B: Single-phase 500 kHz (phase difference pulse Input x4: 125 kHz), Phase Z: 125 kHz, screwless push-in connector, 12 mm wide	264.40	4548583552111
375646	NX-EC0222	2 x Incremental Encoder PNP Inputs, Phases A and B: Single-phase 500 kHz (phase difference pulse Input x4: 125 kHz), Phase Z: 125 kHz, screwless push-in connector, 12 mm wide	246.40	4548583353626
419154	NX-ECC203	NX-series EtherCAT Coupler, 2 ports, 125 µs cycle time, 63 I/O units, max I/O current 10 A, screwless push-in connector, delivered with end cover	207.80	4548583561939
375648	NX-ECS112	1 x SSI encoder Input, EIA standard RS-422-A, 32 bits max data length, screwless push-in connector, 12 mm wide	311.50	4548583353640
375649	NX-ECS212	2 x SSI encoder Inputs, EIA standard RS-422-A, 32 bits max data length, screwless push-in connector, 12 mm wide	369.50	4548583353657



Short item number	Order code	Description	Price EUR	GTIN
399449	NX-EIC202	NX-series EtherNet/IP Coupler, 2 ports, supports local safety, 63 I/O units, max I/O current 10 A, screwless push-in connector, delivered with end cover	330.90	4548583523333
682695	NX-HAD402	4 High Speed Analog Inputs, -10 to 10 V, -5 to 5 V, 0 to 10 V, 0 to 5 V, 1 to 5V, 0 to 20 mA, 4 to 20 mA, differential, resolution 1:64000, 5 µs/ch, screwless push-in connector, 24 mm wide, PNP	1,030.00	4549734209663
670521	NX-HB3101	Heater Burnout Detection Unit, 4 CT inputs, 4 NPN Outputs, screwless push-in connector, 12 mm wide	389.10	4548583801981
670522	NX-HB3201	Heater Burnout Detection Unit, 4 CT inputs, 4 PNP Outputs, screwless push-in connector, 12 mm wide	389.10	4548583801998
380132	NX-IA3117	4 Digital Inputs, 240 VAC, individually isolated, screwless push-in connector, 12 mm wide	66.30	4548583353107
375601	NX-ID3317	4 Digital Inputs, Standard speed, NPN 24 VDC, screwless push-in connector, 12 mm wide	50.40	4548583353008
375607	NX-ID3343	4 Digital Inputs, High speed, NPN 24 VDC, screwless push-in connector, 12 mm wide	98.35	4548583353060
377554	NX-ID3344	4 Digital Inputs, High speed Timestamp, NPN 24 VDC, screwless push-in connector, 12 mm wide	173.60	4548583353084
375661	NX-ID3443	4 Digital Inputs, High speed, PNP 24 VDC, screwless push-in connector, 12 mm wide	98.35	4548583368378
377555	NX-ID3444	4 Digital Inputs, High speed Timestamp, PNP 24 VDC, screwless push-in connector, 12 mm wide	173.60	4548583353091
645477	NX-ID5142-1	16 Digital Inputs, Standard speed, NPN/PNP 24 VDC, screw connector, 30 mm wide	113.50	4548583572881
393625	NX-ID5142-5	16 Digital Inputs, Standard speed, NPN/PNP 24 VDC, MIL20 connector (not included), 30 mm wide	124.30	4548583552029
393626	NX-ID6142-5	32 Digital Inputs, Standard speed, NPN/PNP 24 VDC, MIL40 connector (not included), 30 mm wide	210.30	4548583552036
671127	NX-ILM400	NX series IO-Link master IP20, 4 channels	223.80	4548583819139
393631	NX-MD6121-5	16 Digital Inputs + 16 Digital NPN Outputs, Standard speed, 24 VDC, 2 x MIL20 connectors (not included), 30 mm wide	218.40	4548583552081
393632	NX-MD6256-5	16 Digital Inputs + 16 Digital PNP Outputs, Standard speed, 24 VDC, 2 x MIL20 connectors (not included), 30 mm wide	218.40	4548583552098
672508	NX-OC4633	8 Digital Outputs, normally-open relays, 2 A, 250 VAC, screwless push-in connector, 24 mm wide	165.20	4548583863569
377556	NX-OD2154	2 Digital Outputs, High speed Timestamp, NPN 24 VDC, 0.5 A/point, 1 A/NX Unit, screwless push-in connector, 12 mm wide	127.70	4548583407596
377557	NX-OD2258	2 Digital Outputs, High speed Timestamp, PNP 24 VDC, 0.5 A/point, 1 A/NX Unit, screwless push-in connector, 12 mm wide	127.70	4548583407602
375608	NX-OD3121	4 Digital Outputs, Standard speed, NPN 24 VDC, 0.5 A/point, 2 A/NX Unit, screwless push-in connector, 12 mm wide	57.30	4548583353114
375614	NX-OD3153	4 Digital Outputs, High speed, NPN 24 VDC, 0.5 A/point, 2 A/NX Unit, screwless push-in connector, 12 mm wide	109.50	4548583353176
375615	NX-OD3257	4 Digital Outputs, High speed, PNP 24 VDC, 0.5 A/point, 2 A/NX Unit, screwless push-in connector, 12 mm wide	104.50	4548583353183
646461	NX-OD3268	4 Digital Outputs, Standard speed, PNP 24 VDC, 2 A/point, 8 A/NX unit, screwless push-in connector, 12 mm wide	74.05	4548583572928
375610	NX-OD4121	8 Digital Outputs, Standard speed, NPN 24 VDC, 0.5 A/point, 4 A/NX Unit, screwless push-in connector, 12 mm wide	75.25	4548583353138
393627	NX-OD5121-5	16 Digital Outputs, Standard speed, NPN 24 VDC, 0.5 A/point, 4 A/NX Unit, MIL20 connector (not included), 30 mm wide	133.00	4548583552043
645603	NX-OD5256-1	16 Digital Outputs, Standard speed, PNP 24 VDC, 0.5 A/point, 5 A/NX Unit, screw connector, 30 mm wide	160.90	4548583572935
393629	NX-OD5256-5	16 Digital Outputs, Standard speed, PNP 24 VDC, 0.5 A/point, 4 A/NX Unit, MIL20 connector (not included), 30 mm wide	136.70	4548583552067
393628	NX-OD6121-5	32 Digital Outputs, Standard speed, NPN 24 VDC, 0.5 A/point, 4 A/NX Unit, MIL40 connector (not included), 30 mm wide	225.90	4548583552050
393630	NX-OD6256-5	32 Digital Outputs, Standard speed, PNP 24 VDC, 0.5 A/point, 4 A/NX Unit, MIL40 connector (not included), 30 mm wide	225.90	4548583552074
393636	NX-PG0112	1 x Pulse Output, Forward/reverse direction pulses or Pulse + direction signal, NPN, screwless push-in connector, 12 mm wide	279.60	4548583552135
375650	NX-PG0122	1 x Pulse Output, Forward/reverse direction pulses or Pulse + direction signal, PNP, screwless push-in connector, 12 mm wide	260.70	4548583353664
670274	NX-PG0232-5	2 x Line Driver Pulse Output, NPN, 4 Mpps, 1 x MIL connector, 12 mm wide	621.50	4548583783461
670276	NX-PG0242-5	2 x Line Driver Pulse Output, PNP, 4 Mpps, 1 x MIL connector, 12 mm wide	621.50	4548583783478
670273	NX-PG0332-5	4 x Line Driver Pulse Output, NPN, 4 Mpps, 2 x MIL connectors, 24 mm wide	887.50	4548583783447
670272	NX-PG0342-5	4 x Line Driver Pulse Output, PNP, 4 Mpps, 2 x MIL connectors, 24 mm wide	887.50	4548583783454
670275	NX-RS1201	1 x Load Cell input, -5.0 to 5.0 mV/V, 24 bit, 125 µs, screwless push-in connector, 12 mm wide	470.70	4548583799158
674186	NX-RS1201-K	1 x Load Cell input with certification, -5.0 to 5.0 mV/V, 24 bit, 125 µs, screwless push-in connector, 12 mm wide	676.00	4549734110235
377519	NX-SID800	8 Digital Safety Inputs, PNP 24 VDC, screwless push-in connector, 12 mm wide	362.50	4548583377080
393738	NX-SIH400	4 Digital Safety Inputs, PNP 24 VDC, high connectivity unit, screwless push-in connector, 12 mm wide	280.90	4548583556072
393736	NX-SL3300	Safety controller, 32 safety master connections, up to 256 safety I/O	292.00	4548583556058
393737	NX-SL3500	Safety controller, 128 safety master connections, up to 1024 safety I/O, 2MB memory capacity	656.00	4548583556065
684733	NX-SL5500	Safety controller, CIP-5 and EtherCAT, 128 safety master connections, up to 1024 safety I/O, 2 MB memory capacity, SD Backup/Restore supported	801.50	4549734205702
377518	NX-SOD400	4 Digital Safety Outputs, PNP 24 VDC, 0.5 A/point, 2.0 A/NX Unit, screwless push-in connector, 12 mm wide	310.80	4548583377066
377520	NX-SOH200	2 Digital Safety Outputs, PNP 24 VDC, 2.0 A/point, 4.0 A/NX Unit, screwless push-in connector, 12 mm wide	270.50	4548583377097
375656	NX-TBX01	NX FG shield connection unit, 16 terminals, screwless push-in connector, 12mm wide	41.61	4548583353725
680545	NX-TC2405	2 loops, Thermocouple/Pt100 input, PNP 2 Digital Outputs 24 VDC, 21mA/point, Heat or Cool control, Heater burnout alarm, Push-in Plus terminals	371.50	4549734191388
680937	NX-TC2406	2 loops, Thermocouple/Pt100 input, PNP 2 Digital Outputs 24 VDC, 21 mA/point, Heat or Cool control, Push-in Plus terminals	340.40	4549734191395
680542	NX-TC2407	2 loops, Thermocouple/Pt100 input, PNP 4 Digital Outputs 24 VDC, 21mA/point, Heat and Cool control, Push-in Plus terminals	349.90	4549734191401
680543	NX-TC3405	4 loops, Thermocouple/Pt100 input, PNP 4 Digital Outputs 24 VDC, 21mA/point, Heat or Cool control, Heater burnout alarm, Push-in Plus terminals	472.40	4549734191425

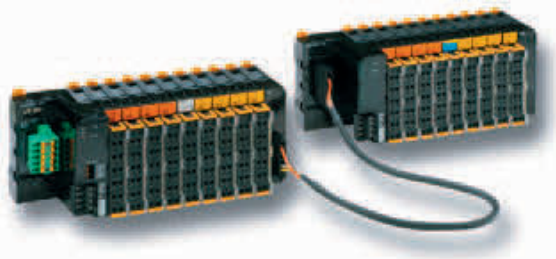
Short item number	Order code	Description	Price EUR	GTIN
680544	NX-TC3406	4 loops, Thermocouple/Pt100 input, PNP 4 Digital Outputs 24 VDC, 21 mA/point, Heat or Cool control, Push-in Plus terminals	425.30	4549734191432
680935	NX-TC3407	4 loops, Thermocouple/Pt100 input, PNP 8 Digital Outputs 24 VDC, 21 mA/point, Heat and Cool control, Push-in Plus terminals	434.70	4549734191449
680936	NX-TC3408	4 loops, Thermocouple/Pt100 input, 4 Analog Outputs, 4 - 20 mA, resolution 1:10000, Heat or Cool control, Push-in Plus terminals	511.00	4549734191456
377373	NX-TS2101	2 Thermocouple Inputs, type K, J, T, E, L, U, N, R, S, B, C(W/Re5-26), P(PLII), resolution 0.1°C, 250 ms/Unit, screwless push-in connector, 12 mm wide	231.70	4548583353497
380149	NX-TS2102	2 Thermocouple Inputs, type K, J, T, E, L, U, N, R, S, B, C(W/Re5-26), P(PLII), resolution 0.01°C, 10 ms/Unit, screwless push-in connector, 12 mm wide	373.30	4548583353503
380134	NX-TS2104	2 Thermocouple Inputs, type K, J, T, E, L, U, N, R, S, B, C(W/Re5-26), P(PLII), resolution 0.001°C, 60 ms/Unit, screwless push-in connector, 12 mm wide	373.30	4548583353510
375643	NX-TS2201	2 Temperature Sensor Inputs, Pt100 (3-wire), Pt1000, resolution 0.1 °C, 250 ms/Unit, screwless push-in connector, 12 mm wide	231.70	4548583353558
380136	NX-TS2202	2 Temperature Sensor Inputs, Pt100 (3-wire), resolution 0.01°C, 10 ms/Unit, screwless push-in connector, 12 mm wide	373.30	4548583353565
380137	NX-TS2204	2 Temperature Sensor Inputs, Pt100 (3-wire), Pt1000 (3-wire) resolution 0.001°C, 60 ms/Unit, screwless push-in connector, 12 mm wide	373.30	4548583353572
377374	NX-TS3101	4 Thermocouple Inputs, type K, J, T, E, L, U, N, R, S, B, C (W/Re5-26), P (PLII), resolution 0.1°C, 250 ms/Unit, screwless push-in connectors, 24 mm wide	295.50	4548583353527
380135	NX-TS3102	4 Thermocouple Inputs, type K, J, T, E, L, U, N, R, S, B, C (W/Re5-26), P (PLII), resolution 0.01°C, 10 ms/Unit, screwless push-in connectors, 24 mm wide	476.50	4548583353534
380150	NX-TS3104	4 Thermocouple Inputs, type K, J, T, E, L, U, N, R, S, B, C (W/Re5-26), P (PLII), resolution 0.001°C, 60 ms/Unit, screwless push-in connectors, 24 mm wide	476.50	4548583353541
375644	NX-TS3201	4 Temperature Sensor Inputs, Pt100 (3-wire), Pt1000, resolution 0.1 °C, 250 ms/Unit, screwless push-in connectors, 24 mm wide	295.50	4548583353589
380138	NX-TS3202	4 Temperature Sensor Inputs, Pt100 (3-wire), resolution 0.01°C, 10 ms/Unit, screwless push-in connectors, 24 mm wide	476.50	4548583353596

Short item number	Order code	Description	Price EUR	GTIN
375659	NX-AUX01	NX-series accessory, DIN rail insulation spacers, set of 3 pcs	19.97	4548583364561
375660	NX-AUX02	Terminal block coding pins for 10x NX I/O units (terminal block: 30 pins, unit: 30 pins)	10.03	4548583365148
375657	NX-END01	Replacement end cover for NX I/O series	9.82	4548583353732
380143	NX-TBA162	Replacement screwless push-in connector with 16 wiring terminals (marked A+B)	9.83	4548583476530
380145	NX-TBB162	Replacement screwless push-in connector with 16 wiring terminals (marked C+D)	9.39	4548583476554



The smartest modular I/O system

Omron's SmartSlice I/O system is compact, intelligent and easy. When used with Omron's CS1/CJ1 DeviceNet master units it is plug-and-work, no configuration tool is required. By using built-in functions such as pre-scaling, totalising, differentiation and alarming in analog I/O units, PLC programming can be minimised. Preventive maintenance data can be accessed using CX-Integrator software, standard PLC function blocks or NS-series Smart Active Parts.



- Most compact in the market (84 mm high)
- Easy set-up, backup and restore functions
- Diagnostics and preventive maintenance data at I/O level
- Detachable terminal blocks allow hot-swapping without re-wiring
- 3-wire connection with 'push-in' technology, no screwdriver required for installation

Short item number	Order code	Description	Price EUR	GTIN
224393	GRT1-AD2	SmartSlice 2 x analog inputs, 1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, 0 to 20 mA, 4 to 20 mA, resolution 1:6000	326.20	4547648221498
228280	GRT1-CP1-L	SmartSlice positioning unit, 1 x encoder input (A/B/Z), 100 kHz, 24 VDC PNP / RS422 line driver inputs, 1 x 24 VDC PNP control input, 2 x PNP 0.5 A range control outputs	306.30	4547648298209
248724	GRT1-CRT	SmartSlice communication adaptor for CompoNet (End plate to be ordered separately)	346.90	4547648561389
228278	GRT1-CT1	SmartSlice high speed counter unit, 1 x encoder input (A/B/Z), 60 kHz, 24 VDC NPN inputs, 1 x NPN 0.5 A range control output	222.00	4547648298186
228279	GRT1-CT1-1	SmartSlice high speed counter unit, 1 x encoder input (A/B/Z), 60 kHz, 24 VDC PNP inputs, 1 x PNP 0.5 A range control output	222.00	4547648298193
224394	GRT1-DA2C	SmartSlice 2 x analog outputs, 0 to 20 mA, 4 to 20 mA, resolution 1:6000	325.40	4547648221504
224395	GRT1-DA2V	SmartSlice 2 x analog outputs, 1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, resolution 1:6000	325.40	4547648221511
211521	GRT1-DRT	SmartSlice communication adaptor for DeviceNet, connects up to 64 GRT1 I/O units (End plate to be ordered separately)	396.10	4547648219327
350103	GRT1-ECT	SmartSlice communication adaptor for EtherCAT, connects up to 64 GRT1 I/O units (End plate to be ordered separately)	489.80	4548583003019
212286	GRT1-ID4-1	SmartSlice 4 x digital inputs, 24 VDC, PNP	76.15	4547648219341
235172	GRT1-ID8	SmartSlice 8 x digital inputs, 24 VDC, NPN	111.00	4547648325646
235173	GRT1-ID8-1	SmartSlice 8 x digital inputs, 24 VDC, PNP	111.00	4547648325653
239859	GRT1-ML2	SmartSlice communication adaptor for Mechatrolink II, connects up to 64 GRT1 I/O units (End plate to be ordered separately)	407.10	4547648446198
212287	GRT1-OD4	SmartSlice 4 x digital outputs 0.5 A, 24 VDC, NPN	79.90	4547648219358
212288	GRT1-OD4-1	SmartSlice 4 x digital outputs 0.5 A, 24 VDC, PNP	79.90	4547648219365
230602	GRT1-OD4G-1	SmartSlice 4 x digital outputs 0.5 A, 24 VDC, PNP, with overcurrent and short-circuit protection	98.85	4547648306829
246036	GRT1-OD4G-3	SmartSlice 4 x digital outputs 2 A, 24 VDC, PNP, with overcurrent and short-circuit protection	98.85	4547648487306
235174	GRT1-OD8	SmartSlice 8 x digital outputs 0.5 A, 24 VDC, NPN	117.00	4547648325660
235175	GRT1-OD8-1	SmartSlice 8 x digital outputs 0.5 A, 24 VDC, PNP	117.00	4547648325677
235176	GRT1-OD8G-1	SmartSlice 8 x digital outputs 0.5 A, 24 VDC, PNP, with overcurrent and short-circuit protection	131.70	4547648325684
235179	GRT1-PC8	SmartSlice I/O power connection module, 8 x V and 4 x G terminals	45.62	4547648325714
235180	GRT1-PC8-1	SmartSlice I/O power feed module, 24 VDC input, 4 x V and 8 x G terminals	45.62	4547648325721
212291	GRT1-PD2	SmartSlice I/O power feed module, 24 VDC input	45.62	4547648219396
235178	GRT1-PD8-1	SmartSlice I/O power connection module, 4 x V and 8 x G terminals	45.62	4547648325707
258404	GRT1-PNT	SmartSlice communication adaptor for PROFINET IO, connects up to 63 GRT1 I/O units (End plate to be ordered separately)	712.50	4547648476591
230167	GRT1-PRT	SmartSlice communication adaptor for PROFIBUS DPV1, connects up to 64 GRT1 I/O units (End plate to be ordered separately)	471.20	4547648192071
212289	GRT1-ROS2	SmartSlice 2 x relay output, normally open, 2 A, 250 VAC / 24 VDC	93.50	4547648219372
238319	GRT1-TS2P	SmartSlice 2 x RTD temperature sensor inputs, Pt100	366.60	4547648446211
246039	GRT1-TS2T	SmartSlice 2 x thermocouple inputs	366.60	4547648511315

Short item number	Order code	Description	Price EUR	GTIN
212294	GCN2-100	SmartSlice turn-back cable (1 m)	51.65	4547648219426
231594	GRT1-BT1-5	SmartSlice I/O connectors, set of 5 pcs. (12 points, screwless)	70.05	4547648325868
212290	GRT1-END	SmartSlice end plate	35.50	4547648219389
258405	GRT1-END-M	SmartSlice end plate with PROFINET memory	143.10	4547648476607
212293	GRT1-TBL	SmartSlice left-side turn-back unit	93.50	4547648219419
212292	GRT1-TBR	SmartSlice right-side turn-back unit	45.62	4547648219402



### The next generation of Machine Interface

An HMI that is dynamic, intuitive and predictive makes industrial machines more attractive and competitive. Our Sysmac HMI enables faster, more efficient control and monitoring—and a more natural, proactive relationship between operator and machine.

- Complete functionality scalable with widescreen across 7", 9", 12", 15" range
- Available in black or silver
- High resolution (1280 × 800 pixel for 12" and 15"; 800 × 480 pixel for 7" and 9")

Short item number	Order code	Description	Price EUR	GTIN
392729	NA5-12W101B	Touch screen HMI, 12.1 inch wide screen, TFT LCD, 24bit color, 1280x800 resolution, frame color: Black	3,821.00	4548583505926
392728	NA5-12W101S	Touch screen HMI, 12.1 inch wide screen, TFT LCD, 24bit color, 1280x800 resolution, frame color: Silver	3,821.00	4548583505919
392731	NA5-15W101B	Touch screen HMI, 15.4 inch wide screen, TFT LCD, 24bit color, 1280x800 resolution, frame color: Black	4,156.00	4548583505940
392730	NA5-15W101S	Touch screen HMI, 15.4 inch wide screen, TFT LCD, 24bit color, 1280x800 resolution, frame color: Silver	4,156.00	4548583505933
392725	NA5-7W001B	Touch screen HMI, 7 inch wide screen, TFT LCD, 24bit color, 800x480 resolution, frame color: Black	1,859.00	4548583505889
392724	NA5-7W001S	Touch screen HMI, 7 inch wide screen, TFT LCD, 24bit color, 800x480 resolution, frame color: Silver	1,859.00	4548583505872
392727	NA5-9W001B	Touch screen HMI, 9 inch wide screen, TFT LCD, 24bit color, 800x480 resolution, frame color: Black	2,810.00	4548583505902
392726	NA5-9W001S	Touch screen HMI, 9 inch wide screen, TFT LCD, 24bit color, 800x480 resolution, frame color: Silver	2,810.00	4548583505896



### One-touch machine management

The NS-series is our advanced HMI series that covers a large range from 5.7" Mono-chrome STN to 15" TFT. Easily programmed it offers advanced features like, multiple communication possibilities, good synergy with our PLC's and other devices with Ladder monitor, Smart Active Parts and proven reliability.

- Perfect clarity and fast switching screens
- Extremely long backlight life (up to 50,000 hours)
- Support all European languages, Asian and Cyrillic
- Easy data logging on compact flash
- Large Memory size (60 MB)
- Support for several non-Omron PLC's

Short item number	Order code	Description	Price EUR	GTIN
209581	NS10-TV00B-V2	Touch screen HMI, 10.4 inch, TFT, 256 colors (32,768 colors for .BMP/JPG), 640x480 pixels, 2 x RS-232C ports, 60MByte memory, 24 VDC, black case	3,630.00	4547648212021
209580	NS10-TV00-V2	Touch screen HMI, 10.4 inch, TFT, 256 colors (32,768 colors for .BMP/JPG), 640x480 pixels, 2 x RS-232C ports, 60MByte memory, 24 VDC, beige case	3,630.00	4547648212014
209583	NS10-TV01B-V2	Touch screen HMI, 10.4 inch, TFT, 256 colors (32,768 colors for .BMP/JPG), 640x480 pixels, 2 x RS-232C ports, Ethernet (10/100 Base-T), 24 VDC, 60MByte memory, 24 VDC, black case	4,033.00	4547648212045
209582	NS10-TV01-V2	Touch screen HMI, 10.4 inch, TFT, 256 colors (32,768 colors for .BMP/JPG), 640x480 pixels, 2 x RS-232C ports, Ethernet (10/100 Base-T), 24 VDC, 60MByte memory, 24 VDC, beige case	4,033.00	4547648212038
204266	NS12-TS00B-V2	Touch screen HMI, 12.1 inch, TFT, 256 colors (32,768 colors for .BMP/JPG), 800x600 pixels, 2 x RS-232C ports, 60MByte memory, 24 VDC, black case	4,437.00	4547648211987
204265	NS12-TS00-V2	Touch screen HMI, 12.1 inch, TFT, 256 colors (32,768 colors for .BMP/JPG), 800x600 pixels, 2 x RS-232C ports, 60MByte memory, 24 VDC, beige case	4,437.00	4547648211970
204268	NS12-TS01B-V2	Touch screen HMI, 12.1 inch, TFT, 256 colors (32,768 colors for .BMP/JPG), 800x600 pixels, 2 x RS-232C ports, Ethernet (10/100 Base-T), 24 VDC, 60MByte memory, 24 VDC, black case	4,843.00	4547648212007
204267	NS12-TS01-V2	Touch screen HMI, 12.1 inch, TFT, 256 colors (32,768 colors for .BMP/JPG), 800x600 pixels, 2 x RS-232C ports, Ethernet (10/100 Base-T), 24 VDC, 60MByte memory, 24 VDC, beige case	4,843.00	4547648211994
304977	NS15-TX01B-V2	Touch screen HMI, 15 inch XGA, TFT, 256 colors, 1024x768 pixels, 1 x RS-232C & 1 x RS422 ports, Ethernet (10/100 Base-T), 60MByte memory, 24 VDC, black case	5,300.00	4547648741231
258566	NS15-TX01S-V2	Touch screen HMI, 15 inch XGA, TFT, 256 colors, 1024x768 pixels, 1 x RS-232C & 1 x RS422 ports, Ethernet (10/100 Base-T), 60MByte memory, 24 VDC, silver case	5,460.00	4547648624244
209577	NS8-TV00B-V2	Touch screen HMI, 8.4 inch, TFT, 256 colors (32,768 colors for .BMP/JPG), 640x480 pixels, 2 x RS-232C ports, 60MByte memory, 24 VDC, black case	2,653.00	4547648212069
209576	NS8-TV00-V2	Touch screen HMI, 8.4 inch, TFT, 256 colors (32,768 colors for .BMP/JPG), 640x480 pixels, 2 x RS-232C ports, 60MByte memory, 24 VDC, beige case	2,653.00	4547648212052
209579	NS8-TV01B-V2	Touch screen HMI, 8.4 inch, TFT, 256 colors (32,768 colors for .BMP/JPG), 640x480 pixels, 2 x RS-232C ports, Ethernet (10/100 Base-T), 60MByte memory, 24 VDC, black case	2,989.00	4547648212083
209578	NS8-TV01-V2	Touch screen HMI, 8.4 inch, TFT, 256 colors (32,768 colors for .BMP/JPG), 640x480 pixels, 2 x RS-232C ports, Ethernet (10/100 Base-T), 60MByte memory, 24 VDC, beige case	2,989.00	4547648212076

Short item number	Order code	Description	Price EUR	GTIN
113736	NS12-KBA04	Anti-reflective sheets for NS10/12 HMI, pack of 5	145.90	4536854712241
304978	NS15-KBA05N	Protective cover (transparent) for NS15 HMI	359.80	4547648741248



### 5.7 inch TFT screen

The smallest NS HMI is available in two brightness variations, both with a vivid color TFT touchscreen. It is equipped with a USB connection for project download/upload and the possibility to communicate over Ethernet. One great advantage with the NS is that you can make use of Omron unique Smart Active Parts (SAP) that save you time when configuring, commissioning and maintaining your machine. SAP are pre-programmed, pre-tested visualisation objects with embedded communication code, bringing 'drag and drop' simplicity to HMI design.

- Perfect clarity and fast switching screens
- Extremely long backlight life (up to 75,000 hours)
- Support all European languages, Asian and Cyrillic
- Easy data logging on compact flash
- Large Memory size (60MB)

Short item number	Order code	Description	Price EUR	GTIN
250153	NS5-SQ10B-V2	Touch screen HMI, 5.7 inch, TFT, 256 colors (32,768 colors for .BMP/JPG), 320x240 pixels, 2 x RS-232C ports, 60MByte memory, 24 VDC, black case	1,685.00	4547648587617
250152	NS5-SQ10-V2	Touch screen HMI, 5.7 inch, TFT, 256 colors (32,768 colors for .BMP/JPG), 320x240 pixels, 2 x RS-232C ports, 60MByte memory, 24 VDC, beige case	1,685.00	4547648587594
250155	NS5-SQ11B-V2	Touch screen HMI, 5.7 inch, TFT, 256 colors (32,768 colors for .BMP/JPG), 320x240 pixels, 2 x RS-232C ports, Ethernet (10/100 Base-T), 24 VDC, 60MByte memory, 24 VDC, black case	1,931.00	4547648587648
250154	NS5-SQ11-V2	Touch screen HMI, 5.7 inch, TFT, 256 colors (32,768 colors for .BMP/JPG), 320x240 pixels, 2 x RS-232C ports, Ethernet (10/100 Base-T), 24 VDC, 60MByte memory, 24 VDC, beige case	1,931.00	4547648587631
250157	NS5-TQ10B-V2	Touch screen HMI, 5.7 inch, high-brightness TFT, 256 colors (32,768 colors for .BMP/JPG), 320x240 pixels, 2 x RS-232C ports, 60MByte memory, 24 VDC, black case	1,951.00	4547648587679
250156	NS5-TQ10-V2	Touch screen HMI, 5.7 inch, high-brightness TFT, 256 colors (32,768 colors for .BMP/JPG), 320x240 pixels, 2 x RS-232C ports, 60MByte memory, 24 VDC, beige case	1,951.00	4547648587655
250159	NS5-TQ11B-V2	Touch screen HMI, 5.7 inch, high-brightness TFT, 256 colors (32,768 colors for .BMP/JPG), 320x240 pixels, 2 x RS-232C ports, Ethernet (10/100 Base-T), 24 VDC, 60MByte memory, 24 VDC, black case	2,139.00	4547648587709
250158	NS5-TQ11-V2	Touch screen HMI, 5.7 inch, high-brightness TFT, 256 colors (32,768 colors for .BMP/JPG), 320x240 pixels, 2 x RS-232C ports, Ethernet (10/100 Base-T), 24 VDC, 60MByte memory, 24 VDC, beige case	2,139.00	4547648587693



### NS5 Handheld, suited for use in harsh conditions

The NS series has evolved into a mobile format. Based on the standard 5.7" TFT color version, we can offer a handheld version of the NS series. Offering 10 Function keys for most used functions and with a protection degree of IP65 it is the product to use in harsh environment where freedom of movement is needed.

- Re-use projects of non-mobile NS products
- 10 Function keys, 4 hardwired for inching
- Emergency switch on front plus enable switch on back of unit
- Well protected against water, IP65
- Compact Flash, Serial and USB interface

Short item number	Order code	Description	Price EUR	GTIN
250160	NSH5-SQR10B	Handheld programmable terminal (HMI / touch screen), 5.7 inch, STN, 256 colors (4,096 colors for .BMP/.JPG), 320x240 pixels, 60MByte memory, 24 VDC, requires NSH5 special cable, black case(Red Switch Emergency)	2,183.00	4547648587716

Short item number	Order code	Description	Price EUR	GTIN
226939	NSH5-232UL-10M	NSH5 cable, 10 m (RS-232C communications, 24 VDC, function key + E-stop + enabling switch wires)	705.00	4547648269582
213204	NSH5-ATT02	NSH5 wall mounting bracket	62.40	4547648217170

### Scalable HMI accessories

### Scalable HMI

Short item number	Order code	Description	Price EUR	GTIN
113738	NS-AL002	RS-232C-RS422/485 adapter (500 m, not isolated) for NS HMI	166.70	4536854712234
180451	NS-CA002	RGB and Video option board, 2 channels video input (NTSC/PAL), 1 channel analog RGB, for NS8/10/12 HMI	818.00	4547648126977



### The feature-rich, cost-effective HMI

The combination of high quality and rich features add up to give outstanding value for an HMI in the economy class. The NB-Designer software to create your HMI application is free of charge and can be downloaded from our website.

- More than 65,000 display colors TFT touch screen
- Available in sizes ranging from 3.5 to 10 inches
- Long-life LED backlight
- Serial, USB or Ethernet communication
- USB memory stick support (TW01 model only)
- 128 MB internal memory
- Vector and bitmap graphics

Short item number	Order code	Description	Price EUR	GTIN
392035	NB10W-TW01B	Touch screen HMI, 10.1 inch WVGA (800 x 480 pixel), TFT color, Ethernet + USB Host	1,594.00	4548583501881
392036	NB3Q-TW00B	Touch screen HMI, 3.5 inch QVGA (320 x 240 pixel), TFT color	422.70	4548583501805
392037	NB3Q-TW01B	Touch screen HMI, 3.5 inch QVGA (320 x 240 pixel), TFT color, Ethernet + USB Host	542.50	4548583501812
392038	NB5Q-TW00B	Touch screen HMI, 5.6 inch QVGA (320 x 234 pixel), TFT color	518.50	4548583501836
392039	NB5Q-TW01B	Touch screen HMI, 5.6 inch QVGA (320 x 234 pixel), TFT color, Ethernet + USB Host	637.00	4548583501850
392040	NB7W-TW00B	Touch screen HMI, 7 inch WVGA (800 x 480 pixel), TFT color	654.00	4548583501867
392041	NB7W-TW01B	Touch screen HMI, 7 inch WVGA (800 x 480 pixel), TFT color, Ethernet + USB Host	812.00	4548583501874

Short item number	Order code	Description	Price EUR	GTIN
371955	NB10W-KBA04	Accessory HMI, protective sheets for NB10W (5 sheets)	60.40	4548583313880
371958	NB3Q-KBA04	Accessory HMI, protective sheets for NB3Q (5 sheets)	21.62	4548583313873
364950	NB5Q-KBA04	Accessory HMI, protective sheets for NB5Q (5 sheets)	23.87	4548583108073
364953	NB7W-KBA04	Protective sheets for NB7W (5 sheets)	39.61	4548583108097

Short item number	Order code	Description	Price EUR	GTIN
377665	XW2Z-0050FF-L	I/O connection cable, unshielded, MIL40 to MIL40, 0.5 m	22.41	4548583449145
377666	XW2Z-0100FF-L	I/O connection cable, unshielded, MIL40 to MIL40, 1 m	32.62	4548583449152
377622	XW2Z-0200BN-L	I/O connection cable, unshielded, FCN40 to open ends, 2 m	66.80	4548583448711
377675	XW2Z-0300FN-L	I/O connection cable, unshielded, MIL40 to open ends, 3 m	34.45	4548583449244
107459	XW2Z-050B	I/O connection cable, FCN40 to MIL40, 0.5 m	57.45	4536854230479
107454	XW2Z-100A	I/O connection cable, FCN24 to MIL20, 1 m	59.75	4536854230370
107457	XW2Z-100B	I/O connection cable, FCN40 to MIL40, 1 m	81.50	4536854230448
107448	XW2Z-100K	I/O connection cable, MIL40 to MIL40, 1 m	52.15	4536854792908
107460	XW2Z-150B	I/O connection cable, FCN40 to MIL40, 1.5 m	62.95	4536854230523
107449	XW2Z-150K	I/O connection cable, MIL40 to MIL40, 1.5 m	62.95	4536854792915
151789	XW2Z-200B	I/O connection cable, FCN40 to MIL40, 2 m	91.65	4536854230455
107451	XW2Z-200K	I/O connection cable, MIL40 to MIL40, 2 m	68.70	4536854792939
107458	XW2Z-300B	I/O connection cable, FCN40 to MIL40, 3 m	98.00	4536854230462
107450	XW2Z-300K	I/O connection cable, MIL40 to MIL40, 3 m	92.65	4536854792922
150731	XW2Z-500B	I/O connection cable, FCN40 to MIL40, 5 m	116.60	4536854230486
103604	XW2Z-500K	I/O connection cable, MIL40 to MIL40, 5 m	103.00	4536854792946

## I/O terminal blocks

## I/O cables and terminal blocks

Short item number	Order code	Description	Price EUR	GTIN
154108	XW2B-20G4	General-purpose I/O terminal block, MIL20 socket, screw clamp, 20 points	56.55	4536854229503
152948	XW2B-20G5	General-purpose I/O terminal block, MIL20 socket, M3.5 screws, 20 points	50.45	4536854229541
107557	XW2B-34G4	General-purpose I/O terminal block, MIL34 socket, screw clamp, 34 points	77.95	4536854229510
156303	XW2B-40G4	General-purpose I/O terminal block, MIL40 socket, screw clamp, 40 points	91.95	4536854229527
150730	XW2B-40G5	General-purpose I/O terminal block, MIL40 socket, M3.5 screws, 40 points	85.65	4536854229565
105351	XW2B-50G4	General-purpose I/O terminal block, MIL50 socket, screw clamp, 50 points	82.45	4536854229534
143060	XW2B-50G5	General-purpose I/O terminal block, MIL50 socket, M3.5 screws, 50 points	99.30	4536854229572
180645	XW2G-40G7	DIN-rail mounting input terminal block for CJ1W-CTL41-E, MIL40 socket, screwless terminals (use with XW2Z-xxxK cable)	104.70	4547648089852

## Serial communication cables

## Serial communication cables

Short item number	Order code	Description	Price EUR	GTIN
147534	XW2Z-200S-CV	Cable, RS-232C, for programming PLC or HMI 9-pin port from PC 9-pin port, 2 m	95.55	4536854488191
149609	XW2Z-200S-V	Cable, RS-232C, for programming PLC or HMI 9-pin port from PC 9-pin port, 2 m	91.00	4536854230660
105353	XW2Z-200T	Cable, RS-232C, for connecting NT HMI 9-pin port to PLC 9-pin port, 2 m	88.85	4536854230226
155978	XW2Z-500T	Cable, RS-232C, for connecting NT HMI 9-pin port to PLC 9-pin port, 5 m	88.30	4536854230233
659674	XW2Z-S002-NL	RS-232C communication cable between PC and PLC/HMI, 2 m	40.10	4548583954366



Short item number	Order code	Description	Price EUR	GTIN
375716	XSSW-T421-CM2-K	Ethernet Cat.5 cable, PVC, M12 straight plug / M12 straight plug, 1 m	45.90	4548583003781
375724	XSSW-T421-CMC-K	Ethernet Cat.5 cable, PVC, M12 straight plug / RJ45 plug, 1 m	51.85	4548583003873
357509	XSSW-T421-CMD-K	Ethernet Cat.5 cable, PVC, RJ45 plug / RJ45 plug, 1 m	119.60	4547648843904
375712	XSSW-T421-DMC-K	Ethernet Cat.5 cable, PVC, M12 straight plug / RJ45 plug, 2 m	58.80	4547648832212
375725	XSSW-T421-EMC-K	Ethernet Cat.5 cable, PVC, M12 straight plug / RJ45 plug, 3 m	66.00	4548583003880
375719	XSSW-T421-GM2-K	Ethernet Cat.5 cable, PVC, M12 straight plug / M12 straight plug, 5 m	80.85	4548583003828
375713	XSSW-T421-GMC-K	Ethernet Cat.5 cable, PVC, M12 straight plug / RJ45 plug, 5 m	78.90	4547648832229
671207	XSSW-T421-GMC-SS	EtherCAT cable, improved shield, M12 straight plug / RJ45 plug, 5 m	141.90	4548583869325
375726	XSSW-T421-JMC-K	Ethernet Cat.5 cable, PVC, M12 straight plug / RJ45 plug, 10 m	114.20	4548583003897
375714	XSSW-T421-KMC-K	Ethernet Cat.5 cable, PVC, M12 straight plug / RJ45 plug, 15 m	139.40	4547648832236
374597	XS6W-5PUR8SS1000CM-G	Ethernet patch cable, S/FTP, Cat.5, PUR (Green), 10 m	61.40	4548583378797
374591	XS6W-5PUR8SS100CM-G	Ethernet patch cable, S/FTP, Cat.5, PUR (Green), 1 m	14.86	4548583378735
374598	XS6W-5PUR8SS1500CM-G	Ethernet patch cable, S/FTP, Cat.5, PUR (Green), 15 m	87.80	4548583378803
374599	XS6W-5PUR8SS2000CM-G	Ethernet patch cable, S/FTP, Cat.5, PUR (Green), 20 m	114.20	4548583378810
374593	XS6W-5PUR8SS200CM-G	Ethernet patch cable, S/FTP, Cat.5, PUR (Green), 2 m	20.12	4548583378759
374594	XS6W-5PUR8SS300CM-G	Ethernet patch cable, S/FTP, Cat.5, PUR (Green), 3 m	25.22	4548583378766
374595	XS6W-5PUR8SS500CM-G	Ethernet patch cable, S/FTP, Cat.5, PUR (Green), 5 m	35.37	4548583378773
374590	XS6W-5PUR8SS50CM-G	Ethernet patch cable, S/FTP, Cat.5, PUR (Green), 0.5 m	12.26	4548583378728
374609	XS6W-6LSZH8SS1000CM-B	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Blue), 10 m	36.80	4548583378674
374621	XS6W-6LSZH8SS1000CM-G	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Green), 10 m	36.80	4548583378551
374587	XS6W-6LSZH8SS1000CM-Y	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Yellow), 10 m	36.80	4548583378438
374603	XS6W-6LSZH8SS100CM-B	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Blue), 1 m	8.91	4548583378612
374615	XS6W-6LSZH8SS100CM-G	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Green), 1 m	8.91	4548583378490
374581	XS6W-6LSZH8SS100CM-Y	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Yellow), 1 m	8.91	4548583378360
374610	XS6W-6LSZH8SS1500CM-B	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Blue), 15 m	52.30	4548583378681
374622	XS6W-6LSZH8SS1500CM-G	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Green), 15 m	52.30	4548583378568
374588	XS6W-6LSZH8SS1500CM-Y	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Yellow), 15 m	52.30	4548583378445
374582	XS6W-6LSZH8SS150CM-Y	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Yellow), 1.5 m	10.43	4548583378384
374611	XS6W-6LSZH8SS2000CM-B	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Blue), 20 m	67.55	4548583378698
374623	XS6W-6LSZH8SS2000CM-G	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Green), 20 m	67.55	4548583378575
374589	XS6W-6LSZH8SS2000CM-Y	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Yellow), 20 m	67.55	4548583378452
374605	XS6W-6LSZH8SS200CM-B	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Blue), 2 m	12.00	4548583378636
374583	XS6W-6LSZH8SS200CM-Y	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Yellow), 2 m	12.00	4548583378391
374578	XS6W-6LSZH8SS20CM-Y	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Yellow), 0.2 m	6.66	4548583378322
374606	XS6W-6LSZH8SS300CM-B	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Blue), 3 m	15.07	4548583378643
374618	XS6W-6LSZH8SS300CM-G	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Green), 3 m	15.07	4548583378520
374584	XS6W-6LSZH8SS300CM-Y	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Yellow), 3 m	15.07	4548583378407
374601	XS6W-6LSZH8SS30CM-B	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Blue), 0.3 m	6.90	4548583378599
374613	XS6W-6LSZH8SS30CM-G	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Green), 0.3 m	6.90	4548583378476
374579	XS6W-6LSZH8SS30CM-Y	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Yellow), 0.3 m	7.03	4548583378339
374607	XS6W-6LSZH8SS500CM-B	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Blue), 5 m	21.25	4548583378650
374585	XS6W-6LSZH8SS500CM-Y	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Yellow), 5 m	21.25	4548583378414
374602	XS6W-6LSZH8SS50CM-B	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Blue), 0.5 m	7.35	4548583378605
374614	XS6W-6LSZH8SS50CM-G	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Green), 0.5 m	7.35	4548583378483
374580	XS6W-6LSZH8SS50CM-Y	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Yellow), 0.5 m	7.35	4548583378346
374586	XS6W-6LSZH8SS750CM-Y	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Yellow), 7.5 m	29.07	4548583378421

## Accessories

## Ethernet cables and accessories

Short item number	Order code	Description	Price EUR	GTIN
355830	GX-JC03	3-port EtherCAT Junction module, 24 VDC power supply	230.20	4548583075375
355831	GX-JC06	6-port EtherCAT Junction module, 24 VDC power supply	422.50	4548583075382
274904	W4S1-03B	3-port basic ethernet switch	208.40	4547648602952
274905	W4S1-05B	5-port basic ethernet switch	331.30	4547648603027
274906	W4S1-05C	5-port enhanced ethernet switch	395.20	4547648603041
357515	XS6G-T421-1	RJ45 connector assembly (For AWG22 to AWG24)	38.31	4548583002180



**CK3E Programmable Multi Axis Controller**



- 32, 16 or 8 axes motion control
- Up to 250 µs cycle time
- Compatible with standard G-Code functions
- Save space & wiring thanks to compact design
- CAD/CAM for easy motion control
- EtherCAT for flexible configuration

Short item number	Order code	Description	Price EUR	GTIN
672538	CK3E-1210	Programmable Multi-Axis Controller µPower PMAC, 8 axes	3,149.00	4548583870987
672537	CK3E-1310	Programmable Multi-Axis Controller µPower PMAC, 16 axes	4,572.00	4548583870994
672536	CK3E-1410	Programmable Multi-Axis Controller µPower PMAC, 32 axes	7,230.00	4548583871007

**1S Drives**

**Servo drives**

**Sysmac general purpose servo**



Ratings: 230 VAC from 50 W to 1.5 kW, 400 VAC from 400 W to 15 kW

- 23-bit resolution encoder
- Fast and secure screw-less push-in in all connectors
- Pluggable connectors for easy pre-wiring and system maintenance
- Direct wiring of I/O signals
- Embedded relay for direct motor brake control
- Improved loop control for overshoot and quick setting time
- Safety function built-in: Network Safe Torque Off: PLd (EN ISO 13849-1), SIL2 (IEC 61508)
- Hardwired Safe Torque Off: PLe (EN ISO 13849-1), SIL3 (IEC 61508)

Short item number	Order code	Description	Price EUR	GTIN
670725	R88D-1SN01H-ECT	1S servo drive, EtherCAT type, 100 W, 1~ 230 VAC	747.50	4548583789166
670719	R88D-1SN02H-ECT	1S servo drive, EtherCAT type, 200 W, 1~ 230 VAC	920.50	4548583789173
670727	R88D-1SN04H-ECT	1S servo drive, EtherCAT type, 400 W, 1~ 230 VAC	980.00	4548583789180
670720	R88D-1SN06F-ECT	1S servo drive, EtherCAT type, 600 W, 3~ 400 VAC	1,005.00	4548583789241
670726	R88D-1SN08H-ECT	1S servo drive, EtherCAT type, 800 W, 1~ 230 VAC	999.00	4548583789197
670723	R88D-1SN10F-ECT	1S servo drive, EtherCAT type, 1 kW, 3~ 400 VAC	1,075.00	4548583789258
670721	R88D-1SN15F-ECT	1S servo drive, EtherCAT type, 1.5 kW, 3~ 400 VAC	1,117.00	4548583789265
670724	R88D-1SN15H-ECT	1S servo drive, EtherCAT type, 1.5 kW, 1~ 230 VAC	1,456.00	4548583789210
670728	R88D-1SN20F-ECT	1S servo drive, EtherCAT type, 2 kW, 3~ 400 VAC	1,357.00	4548583789272
670722	R88D-1SN30F-ECT	1S servo drive, EtherCAT type, 3 kW, 3~ 400 VAC	1,482.00	4548583789289

Short item number	Order code	Description	Price EUR	GTIN
670528	R88A-FI1S103-SE	1S Servo RFI filter; 230 VAC single-phase, for 100 and 200 W drives	64.15	4548583971677
670529	R88A-FI1S105-SE	1S Servo RFI filter; 230 VAC single-phase, for 400 W drives	68.75	4548583971684
670527	R88A-FI1S108-SE	1S Servo RFI filter; 230 VAC single-phase, for 800 W drives	73.30	4548583971660
670531	R88A-FI1S116-SE	1S Servo RFI filter; 230 VAC single-phase, for 1.5 kW drives	93.20	4548583971707
670530	R88A-FI1S309-SE	1S Servo RFI filter; 400 VAC, for 600 W to 3 kW drives	97.80	4548583971691
675088	R88A-SC011S-E	1S series cable clamp A. Used in 230 V drives up to 750 W	9.04	4548583996397
675089	R88A-SC021S-E	1S series cable clamp B. Used in 400 V drives and 230 V (from 1.5 kW to 3 kW)	10.04	4548583996403

At the heart of every great machine



Accurax G5 gives you that extra edge to build faster, accurate, smaller and safer machines. You will gain almost 25% in motor weight reduction and 50% cabinet space saving. You will achieve sub micron precision and ms settling time.

- EtherCAT, MECHATROLINK-II and Analog/Pulse drive models
- Frequency response of 2kHz
- Safety conforming to ISO13849-1 (PL d)
- High accuracy provided by 20 bit encoder
- Drive Programming: embedded indexer functionality in the Analogue/Pulse models
- Advanced vibration suppression
- Full closed loop encoder built-in
- Double registration input provides application versatility
- Rotary motors from 50 W up to 15 kW
- Ironless and iron-core linear motor types

Short item number	Order code	Description	Price EUR	GTIN
352679	R88D-KN01H-ECT	G5 Series servo drive, EtherCAT type, 100 W, 1~ 200 VAC	1,470.00	4548583021310
285539	R88D-KN01H-ML2	Accurax G5 servo drive, 1~ 200 VAC, MECHATROLINK II type, 100 W	1,589.00	4547648651561
352680	R88D-KN02H-ECT	G5 Series servo drive, EtherCAT type, 200 W, 1~ 200 VAC	1,730.00	4548583021327
285540	R88D-KN02H-ML2	Accurax G5 servo drive, 1~ 200 VAC, MECHATROLINK II type, 200 W	1,798.00	4547648651578
352681	R88D-KN04H-ECT	G5 Series servo drive, EtherCAT type, 400 W, 1~ 200 VAC	1,813.00	4548583021334
285541	R88D-KN04H-ML2	Accurax G5 servo drive, 1~ 200 VAC, MECHATROLINK II type, 400 W	1,883.00	4547648651585
352685	R88D-KN06F-ECT	G5 Series servo drive, EtherCAT type, 600 W, 3~ 400 VAC	1,997.00	4548583021426
285545	R88D-KN06F-ML2	Accurax G5 servo drive, 3~ 400 VAC, MECHATROLINK II type, 600 W	2,061.00	4547648651653
352682	R88D-KN08H-ECT	G5 Series servo drive, EtherCAT type, 750 W, 1~ 200 VAC	1,994.00	4548583021341
285542	R88D-KN08H-ML2	Accurax G5 servo drive, 1~ 200 VAC, MECHATROLINK II type, 750 W	2,067.00	4547648651592
352686	R88D-KN10F-ECT	G5 Series servo drive, EtherCAT type, 1000 W, 3~ 400 VAC	2,082.00	4548583021433
285546	R88D-KN10F-ML2	Accurax G5 servo drive, 3~ 400 VAC, MECHATROLINK II type, 1.0 kW	2,160.00	4547648651660
352683	R88D-KN10H-ECT	G5 Series servo drive, EtherCAT type, 1000 W, 1~ 200 VAC	2,383.00	4548583021358
353422	R88D-KN150F-ECT	G5 Series servo drive, EtherCAT type, 15 kW, 3~ 400 VAC	8,170.00	4548583021495
352687	R88D-KN15F-ECT	G5 Series servo drive, EtherCAT type, 1500 W, 3~ 400 VAC	2,122.00	4548583021440
285547	R88D-KN15F-ML2	Accurax G5 servo drive, 3~ 400 VAC, MECHATROLINK II type, 1.5 kW	2,169.00	4547648651677
352684	R88D-KN15H-ECT	G5 Series servo drive, EtherCAT type, 1500 W, 1~ 200 VAC	2,471.00	4548583021365
285544	R88D-KN15H-ML2	Accurax G5 servo drive, 1~ 200 VAC, MECHATROLINK II type, 1.5 kW	2,731.00	4547648651615
352688	R88D-KN20F-ECT	G5 Series servo drive, EtherCAT type, 2 kW, 3~ 400 VAC	2,286.00	4548583021457
285548	R88D-KN20F-ML2	Accurax G5 servo drive, 3~ 400 VAC, MECHATROLINK II type, 2.0 kW	2,419.00	4547648651684
352689	R88D-KN30F-ECT	G5 Series servo drive, EtherCAT type, 3 kW, 3~ 400 VAC	2,430.00	4548583021464
285549	R88D-KN30F-ML2	Accurax G5 servo drive, 3~ 400 VAC, MECHATROLINK II type, 3.0 kW	2,574.00	4547648651691
352690	R88D-KN50F-ECT	G5 Series servo drive, EtherCAT type, 5 kW, 3~ 400 VAC	3,235.00	4548583021471
285550	R88D-KN50F-ML2	Accurax G5 servo drive, 3~ 400 VAC, MECHATROLINK II type, 5.0 kW	3,544.00	4547648651707
353421	R88D-KN75F-ECT	G5 Series servo drive, EtherCAT type, 7.5 kW, 3~ 400 VAC	5,115.00	4548583021488
285527	R88D-KT01H	Accurax G5 servo drive, 1~ 200 VAC, analog/pulse type, 100 W	1,077.00	4547648651370
285528	R88D-KT02H	Accurax G5 servo drive, 1~ 200 VAC, analog/pulse type, 200 W	1,267.00	4547648651387
285529	R88D-KT04H	Accurax G5 servo drive, 1~ 200 VAC, analog/pulse type, 400 W	1,347.00	4547648651394
285533	R88D-KT06F	Accurax G5 servo drive, 3~ 400 VAC, analog/pulse type, 600 W	1,509.00	4547648651462
285530	R88D-KT08H	Accurax G5 servo drive, 1~ 200 VAC, analog/pulse type, 750 W	1,532.00	4547648651400
285534	R88D-KT10F	Accurax G5 servo drive, 3~ 400 VAC, analog/pulse type, 1.0 kW	1,604.00	4547648651479
352678	R88D-KT150F	Accurax G5 servo drive, 3~ 400 VAC, analog/pulse type, 15 kW	7,125.00	4548583016262
285535	R88D-KT15F	Accurax G5 servo drive, 3~ 400 VAC, analog/pulse type, 1.5 kW	1,610.00	4547648651486
285532	R88D-KT15H	Accurax G5 servo drive, 1~ 200 VAC, analog/pulse type, 1.5 kW	2,117.00	4547648651424
285536	R88D-KT20F	Accurax G5 servo drive, 3~ 400 VAC, analog/pulse type, 2.0 kW	1,833.00	4547648651493
285537	R88D-KT30F	Accurax G5 servo drive, 3~ 400 VAC, analog/pulse type, 3.0 kW	1,985.00	4547648651509
285538	R88D-KT50F	Accurax G5 servo drive, 3~ 400 VAC, analog/pulse type, 5.0 kW	2,864.00	4547648651516
352677	R88D-KT75F	Accurax G5 servo drive, 3~ 400 VAC, analog/pulse type, 7.5 kW	5,260.00	4548583016255

Short item number	Order code	Description	Price EUR	GTIN
283802	R88A-FIK102-RE	G/G5 series RFI filter; 2.4 A, 250 VAC, for 100 and 200 W models	54.10	4547648865876
283803	R88A-FIK104-RE	G/G5 series RFI filter; 4.1 A, 250 VAC, for 400 W models	55.25	4547648865883
283804	R88A-FIK107-RE	G/G5 series RFI filter; 6.6 A, 250 VAC, for 750 W models	62.75	4547648865890
283805	R88A-FIK114-RE	G/G5 series RFI filter; 14.2 A, 250 VAC, for 1.0 and 1.5 kW models	79.10	4547648865906
303857	R88A-FIK304-RE	G5 series RFI filter; 4 A, 400 VAC, for 600 to 1.5 kW models	81.15	4547648870887
303858	R88A-FIK306-RE	G5 series RFI filter; 6 A, 400 VAC, for 2.0 kW models	86.30	4547648870894
303859	R88A-FIK312-RE	G5 series RFI filter; 12 A, 400 VAC, for 3.0 to 5.0 kW models	119.20	4547648870900
357083	R88A-FIK330-RE	G5 series RFI filter; 30 A, 400 VAC, for 7.5 kW models	183.20	4547648926270
357843	R88A-FIK350-RE	G5 series RFI filter; 50 A, 400 VAC, for 15 kW models	278.20	4547648927581



**Compact in size big in features**

The G-series servo drive with built-in MECHATROLINK-II significantly reduces wiring and set-up time, while saving up to 30% of cabinet space. So you not only save on space, wiring and installation time, but also significantly reduce the chance of connection errors.

- MECHATROLINK-II and Analogue/Pulse servo drives models
- High-response frequency of 1 kHz
- Auto-tuning for easy and quick start-up
- Vibration suppression
- Positioning, speed or torque control
- Separate power and control power supply
- Fast and accurate positioning
- Incremental and absolute encoder

Short item number	Order code	Description	Price EUR	GTIN
285522	R88D-GN01H-ML2	G-Series servo drive, 1~ 200 VAC, MECHATROLINK II integrated, 100 W	1,221.00	4547648493284
285523	R88D-GN02H-ML2	G-Series servo drive, 1~ 200 VAC, MECHATROLINK II integrated, 200 W	1,253.00	4547648493291
285524	R88D-GN04H-ML2	G-Series servo drive, 1~ 200 VAC, MECHATROLINK II integrated, 400 W	1,271.00	4547648493307
285525	R88D-GN08H-ML2	G-Series servo drive, 1~ 200 VAC, MECHATROLINK II integrated, 750 W	1,562.00	4547648493314
346799	R88D-GT01H	G-Series servo drive, 1~ 200 VAC, Analog/Pulse input type, 100 W	1,162.00	4547648475266
346800	R88D-GT02H	G-Series servo drive, 1~ 200 VAC, Analog/Pulse input type, 200 W	1,238.00	4547648475273
346801	R88D-GT04H	G-Series servo drive, 1~ 200 VAC, Analog/Pulse input type, 400 W	1,162.00	4547648475280
346802	R88D-GT08H	G-Series servo drive, 1~ 200 VAC, Analog/Pulse input type, 800 W	1,330.00	4547648475297

**SmartStep 2 Drives**

**Servo drives**



**The right step forward...**

The new SmartStep offers an ideal solution for point-to-point motion applications where simplicity is essential. SmartStep 2 keeps things simple whilst combining high performance and advanced features in a cost effective solution.

- Ultra-compact size. The footprint is only 48% compared to the previous SmartStep
- Vibration suppression
- Adaptive resonance suppression filter
- Feedback pulse output
- On-line Auto-tuning and Easy set up
- Electronic gear, four internal speed settings and wide range of pulse settings
- Two torque limits
- Position control via pulse input 500 kpps
- Configuration and commissioning using CX-Drive software

Short item number	Order code	Description	Price EUR	GTIN
285887	R7D-BP01H	SmartStep 2 servo drive, pulse input type, 100 W, 1~ 200 VAC	809.00	4547648475181
285888	R7D-BP02HH	SmartStep 2 servo drive, pulse input type, 200 W, 1-phase 200 VAC	828.00	4547648475204
285889	R7D-BP04H	SmartStep 2 servo drive, pulse input type, 400 W, 1~ 200 VAC	860.00	4547648475211
285526	R88D-GP08H	G-Series Servo Drive, Pulse input type, 800 W, 1~ 200 VAC	1,144.00	4547648728911

Short item number	Order code	Description	Price EUR	GTIN
298303	R7A-CLB002S2	Power supply cable (CNA), 2m	28.94	4547648868822
283801	R7A-FIB104-RE	SmartStep 2 RFI filter (Rasmi), 1~ 200 VAC, 4 A (100 W, 200 W, 400 W)	55.25	4547648865869

Short item number	Order code	Description	Price EUR	GTIN
678728	R88A-CMK001S	Analog monitor cable, 1 m	25.16	4549734927963
678723	R88A-CNU01C	Servo control I/O connector	35.21	4549734927918
678729	R88A-CNW01C	G5 Servo I/O connector kit for CN1, network type drives only	37.81	4549734927970
349414	R88A-CPKB001S-E	General purpose I/O cable (CN1)for G5 EtherCAT driver, 1m	111.90	4547648891851
349415	R88A-CPKB002S-E	General purpose I/O cable (CN1)for G5 EtherCAT driver, 2m	124.80	4547648891868
292066	R88A-RR080100S	Servo accessory, resistor 80 W, 100 ohm	77.60	4547648512688
292065	R88A-RR08050S	Servo accessory, resistor 80 W, 50 ohm	77.60	4547648512671
357773	R88A-RR22047S1	Servo accessory, resistor 220 W, 47 ohm	82.25	4547648803557
292062	R88A-RR50020S	Servo accessory, resistor 500 W, 20 ohm	298.10	4547648560306
107563	XW2B-20J6-1B	Servo Relay Unit, 1 axis. For CS1W-NC113/133, CJ1W-NC113/133, C200HW-NC113 and C200H-NC112 (Doesn't support communications functions)	123.20	4536854229695
149077	XW2B-20J6-8A	Servo Relay Unit, 1 axis (Does not support communications functions)	162.20	4536854871849
107564	XW2B-40J6-2B	Servo Relay Unit, 2 axis. For CS1W-NC213/233/413/433, CJ1W-NC213/233/413/433, C200HW-NC213/413, C500-NC113/211 and C200H-NC211 (Doesn't support communications functions)	165.50	4536854229718
107567	XW2B-40J6-9A	Servo Relay Unit, 2 axis (Does not support communications functions)	192.00	4536854871856
107526	XW2Z-100J-A14	Servo control cable for CS1W-NC113, 1 m	129.60	4536854778162
107528	XW2Z-100J-A15	Servo control cable for CS1W-NC213/413, 1 m	200.20	4536854778186
281447	XW2Z-100J-A33	Cable: Pulse I/O Modules to Servo Relay Unit, 1 m (SmartStep2, G, G5)	139.40	4547648521086
294103	XW2Z-100J-B24	General Purpose servo terminal block cable, 1 m	228.40	4547648520881
294105	XW2Z-100J-B25	Servo control cable for CS1W/CJ1W/C200HW-NCx13, 1 m	153.70	4547648520904
292069	XW2Z-100J-B29	I/O connection cable, CJ1W-NC113/213/413 to terminal block, 1 m	194.60	4547648520997
294107	XW2Z-100J-B31	Cable: Servo Relay Unit to Servo driver, 1 m (G, G5)	153.70	4547648521031
292071	XW2Z-100J-B32	Cable: Servo Relay Unit to Servo driver, 1 m (SmartStep 2)	157.40	4547648521055
323497	XW2Z-100J-B34	G5 series, terminal block cable, for CN1 connector, use with XW2B-20G_ terminal blocks, 1 m	128.70	4547648737951
323498	XW2Z-200J-B34	G5 series terminal block cable, for CN1 connector, use with XW2B-20G_ terminal blocks, 2 m	138.00	4547648737968

Simplified machine design and maintenance



Ratings: 230 VAC from 50 W to 1.5 kW, 400 VAC from 400 W to 15 kW

- 23-bit resolution encoder
- Compact and small motor size
- Multi-turn encoder design without mechanics: 16-bit, 65536 turns
- Battery-free absolute multi-turn encoder or incremental encoder
- Pre-assembled motor cables
- Designed for easy EMC compliance

Short item number	Order code	Description	Price EUR	GTIN
672247	R88M-1L1K030C-B52	1S AC servo motor, 1 kW, 400 VAC, 3000 rpm, 3.18 Nm, absolute encoder, with brake	1,743.00	4548583789890
672248	R88M-1L1K030C-S2	1S AC servo motor, 1 kW, 400 VAC, 3000 rpm, 3.18 Nm, absolute encoder	1,486.00	4548583789739
672245	R88M-1L1K030T-B52	1S AC servo motor, 1 kW, 230 VAC, 3000 rpm, 3.18 Nm, absolute encoder, with brake	1,750.00	4548583789845
672254	R88M-1L1K030T-S2	1S AC servo motor, 1 kW, 230 VAC, 3000 rpm, 3.18 Nm, absolute encoder	1,448.00	4548583789685
672249	R88M-1L1K530C-B52	1S AC servo motor, 1.5 kW, 400 VAC, 3000 rpm, 4.77 Nm, absolute encoder, with brake	1,896.00	4548583789906
672250	R88M-1L1K530C-S2	1S AC servo motor, 1.5 kW, 400 VAC, 3000 rpm, 4.77 Nm, absolute encoder	1,521.00	4548583789746
672246	R88M-1L1K530T-B52	1S AC servo motor, 1.5 kW, 230 VAC, 3000 rpm, 4.77 Nm, absolute encoder, with brake	2,017.00	4548583789852
672255	R88M-1L1K530T-S2	1S AC servo motor, 1.5 kW, 230 VAC, 3000 rpm, 4.77 Nm, absolute encoder	1,642.00	4548583789692
672244	R88M-1L2K030C-B52	1S AC servo motor, 2 kW, 400 VAC, 3000 rpm, 6.37 Nm, absolute encoder, with brake	2,256.00	4548583789913
672257	R88M-1L2K030C-S2	1S AC servo motor, 2 kW, 400 VAC, 3000 rpm, 6.37 Nm, absolute encoder	1,875.00	4548583789753
672251	R88M-1L3K030C-B52	1S AC servo motor, 3 kW, 400 VAC, 3000 rpm, 9.55 Nm, absolute encoder, with brake	2,526.00	4548583789920
672252	R88M-1L3K030C-S2	1S AC servo motor, 3 kW, 400 VAC, 3000 rpm, 9.55 Nm, absolute encoder	2,148.00	4548583789760
672253	R88M-1L75030C-B52	1S AC servo motor, 750 W, 400 VAC, 3000 rpm, 2.39 Nm, absolute encoder, with brake	1,728.00	4548583789883
672256	R88M-1L75030C-S2	1S AC servo motor, 750 W, 400 VAC, 3000 rpm, 2.39 Nm, absolute encoder	1,414.00	4548583789722
681576	R88M-1M10030H-B52	1S AC servo motor, 100 W, 230 VAC, 3000 rpm, 0.318 Nm, incremental encoder, with brake	829.00	4549734172394
681572	R88M-1M10030H-S2	1S AC servo motor, 100 W, 230 VAC, 3000 rpm, 0.318 Nm, incremental encoder	602.00	4549734172387
670732	R88M-1M10030T-B52	1S AC servo motor, 100 W, 230 VAC, 3000 rpm, 0.318 Nm, absolute encoder, with brake	1,036.00	4548583789807
670742	R88M-1M10030T-S2	1S AC servo motor, 100 W, 230 VAC, 3000 rpm, 0.318 Nm, absolute encoder	752.00	4548583789647
679973	R88M-1M1K020C-B52	1S AC servo motor, 1 kW, 400 VAC, 2000 rpm, 4.77 Nm, absolute encoder, with brake	1,455.00	4549734165204
679958	R88M-1M1K020C-S2	1S AC servo motor, 1 kW, 400 VAC, 2000 rpm, 4.77 Nm, absolute encoder	1,034.00	4549734165105
679985	R88M-1M1K520C-B52	1S AC servo motor, 1.5 kW, 400 VAC, 2000 rpm, 7.16 Nm, absolute encoder, with brake	1,548.00	4549734165211
679978	R88M-1M1K520C-S2	1S AC servo motor, 1.5 kW, 400 VAC, 2000 rpm, 7.16 Nm, absolute encoder	1,309.00	4549734165112
679979	R88M-1M1K520T-S2	1S AC servo motor, 1.5 kW, 230 VAC, 2000 rpm, 7.16 Nm, absolute encoder	1,292.00	4549734165051
681570	R88M-1M20030H-B52	1S AC servo motor, 200 W, 230 VAC, 3000 rpm, 0.637 Nm, incremental encoder, with brake	882.00	4549734172417
681565	R88M-1M20030H-S2	1S AC servo motor, 200 W, 230 VAC, 3000 rpm, 0.637 Nm, incremental encoder	646.00	4549734172400
670746	R88M-1M20030T-B52	1S AC servo motor, 200 W, 230 VAC, 3000 rpm, 0.637 Nm, absolute encoder, with brake	1,104.00	4548583789814
670733	R88M-1M20030T-S2	1S AC servo motor, 200 W, 230 VAC, 3000 rpm, 0.637 Nm, absolute encoder	807.00	4548583789654
680412	R88M-1M2K010C-B52	1S AC servo motor, 2 kW, 400 VAC, 1000 rpm, 19.1 Nm, absolute encoder, with brake	2,531.00	4549734165860
680268	R88M-1M2K010C-S2	1S AC servo motor, 2 kW, 400 VAC, 1000 rpm, 19.1 Nm, absolute encoder	2,061.00	4549734165808
679953	R88M-1M2K020C-B52	1S AC servo motor, 2 kW, 400 VAC, 2000 rpm, 9.55 Nm, absolute encoder, with brake	1,719.00	4549734165228
679952	R88M-1M2K020C-S2	1S AC servo motor, 2 kW, 400 VAC, 2000 rpm, 9.55 Nm, absolute encoder	1,408.00	4549734165129
679950	R88M-1M3K010C-B52	1S AC servo motor, 3 kW, 400 VAC, 1000 rpm, 28.65 Nm, absolute encoder, with brake	3,016.00	4549734165877
679975	R88M-1M3K010C-S2	1S AC servo motor, 3 kW, 400 VAC, 1000 rpm, 28.65 Nm, absolute encoder	2,584.00	4549734165815
679972	R88M-1M3K020C-B52	1S AC servo motor, 3 kW, 400 VAC, 2000 rpm, 14.32 Nm, absolute encoder, with brake	2,125.00	4549734165235
679984	R88M-1M3K020C-S2	1S AC servo motor, 3 kW, 400 VAC, 2000 rpm, 14.32 Nm, absolute encoder	1,669.00	4549734165136
681595	R88M-1M40020C-B52	1S AC servo motor, 400 W, 400 VAC, 2000 rpm, 1.91 Nm, absolute encoder, with brake	1,341.00	4549734165181
681597	R88M-1M40020C-S2	1S AC servo motor, 400 W, 400 VAC, 2000 rpm, 1.91 Nm, absolute encoder	960.00	4549734165082
681566	R88M-1M40030H-B52	1S AC servo motor, 400 W, 230 VAC, 3000 rpm, 1.27 Nm, incremental encoder, with brake	1,015.00	4549734172431
681571	R88M-1M40030H-S2	1S AC servo motor, 400 W, 230 VAC, 3000 rpm, 1.27 Nm, incremental encoder	756.00	4549734172424
670749	R88M-1M40030T-B52	1S AC servo motor, 400 W, 230 VAC, 3000 rpm, 1.27 Nm, absolute encoder, with brake	1,269.00	4548583789821
670755	R88M-1M40030T-S2	1S AC servo motor, 400 W, 230 VAC, 3000 rpm, 1.27 Nm, absolute encoder	944.00	4548583789661
681596	R88M-1M60020C-B52	1S AC servo motor, 600 W, 400 VAC, 2000 rpm, 2.86 Nm, absolute encoder, with brake	1,395.00	4549734165198
681594	R88M-1M60020C-S2	1S AC servo motor, 600 W, 400 VAC, 2000 rpm, 2.86 Nm, absolute encoder	1,004.00	4549734165099
681563	R88M-1M75030H-B52	1S AC servo motor, 750 W, 230 VAC, 3000 rpm, 2.39 Nm, incremental encoder, with brake	1,172.00	4549734172455
681561	R88M-1M75030H-S2	1S AC servo motor, 750 W, 230 VAC, 3000 rpm, 2.39 Nm, incremental encoder	881.50	4549734172448
670759	R88M-1M75030T-B52	1S AC servo motor, 750 W, 230 VAC, 3000 rpm, 2.39 Nm, absolute encoder, with brake	1,462.00	4548583789838
670744	R88M-1M75030T-S2	1S AC servo motor, 750 W, 230 VAC, 3000 rpm, 2.39 Nm, absolute encoder	1,102.00	4548583789678
679980	R88M-1M90010C-S2	1S AC servo motor, 900 W, 400 VAC, 1000 rpm, 8.59 Nm, absolute encoder	1,357.00	4549734165792

Short item number	Order code	Description	Price EUR	GTIN
670638	R88A-CA1A001-SBF-E	1S series servo brake cable, 1.5 m, 230 V: 100 to 750 W	91.65	4548583972629



Short item number	Order code	Description	Price EUR	GTIN
670658	R88A-CA1A001-5SF-E	1S series servo motor power cable, 1.5 m, 230 V: 100 to 750 W	140.50	4548583972827
670632	R88A-CA1A003BF-E	1S series servo brake cable, 3 m, 230 V: 100 to 750 W	97.80	4548583972568
670671	R88A-CA1A003SF-E	1S series servo motor power cable, 3 m, 230 V: 100 to 750 W	143.80	4548583972957
670637	R88A-CA1A005BF-E	1S series servo brake cable, 5 m, 230 V: 100 to 750 W	100.90	4548583972612
670672	R88A-CA1A005SF-E	1S series servo motor power cable, 5 m, 230 V: 100 to 750 W	149.80	4548583972964
670634	R88A-CA1A010BF-E	1S series servo brake cable, 10 m, 230 V: 100 to 750 W	116.20	4548583972582
670676	R88A-CA1A010SF-E	1S series servo motor power cable, 10 m, 230 V: 100 to 750 W	171.30	4548583973008
670633	R88A-CA1A015BF-E	1S series servo brake cable, 15 m, 230 V: 100 to 750 W	133.00	4548583972575
670643	R88A-CA1A015SF-E	1S series servo motor power cable, 15 m, 230 V: 100 to 750 W	213.90	4548583972674
670635	R88A-CA1A020BF-E	1S series servo brake cable, 20 m, 230 V: 100 to 750 W	146.60	4548583972599
670653	R88A-CA1A020SF-E	1S series servo motor power cable, 20 m, 230 V: 100 to 750 W	241.50	4548583972773
670655	R88A-CA1A030SF-E	1S series servo motor power cable, 30 m, 230 V: 100 to 750 W	293.20	4548583972797
670664	R88A-CA1C001-5SF-E	1S series servo motor power cable, 1.5 m, non braked, 230 V: 900 W to 1.5 kW, 400 V: 400 W to 1.5 kW & 2 kW (2000 & 3000 rpm)	140.50	4548583972889
670683	R88A-CA1C003SF-E	1S series servo motor power cable, 3 m, non braked, 230 V: 900 W to 1.5 kW, 400 V: 400 W to 1.5 kW & 2 kW (2000 & 3000 rpm)	146.60	4548583973077
670645	R88A-CA1C005BF-E	1S series servo motor power cable, 5 m, with brake, 230 V: 900 W to 1.5 kW	226.40	4548583972698
670640	R88A-CA1C005SF-E	1S series servo motor power cable, 5 m, non braked, 230 V: 900 W to 1.5 kW, 400 V: 400 W to 1.5 kW & 2 kW (2000 & 3000 rpm)	162.00	4548583972643
670668	R88A-CA1C010BF-E	1S series servo motor power cable, 10 m, with brake, 230 V: 900 W to 1.5 kW	275.10	4548583972926
670659	R88A-CA1C010SF-E	1S series servo motor power cable, 10 m, non braked, 230 V: 900 W to 1.5 kW, 400 V: 400 W to 1.5 kW & 2 kW (2000 & 3000 rpm)	192.60	4548583972834
670679	R88A-CA1C015SF-E	1S series servo motor power cable, 15 m, non braked, 230 V: 900 W to 1.5 kW, 400 V: 400 W to 1.5 kW & 2 kW (2000 & 3000 rpm)	229.30	4548583973039
670641	R88A-CA1C020SF-E	1S series servo motor power cable, 20 m, non braked, 230 V: 900 W to 1.5 kW, 400 V: 400 W to 1.5 kW & 2 kW (2000 & 3000 rpm)	348.50	4548583972650
670639	R88A-CA1E003BF-E	1S series servo motor power cable, 3 m, with brake, 400 V: 400 W to 3 kW	238.70	4548583972636
670648	R88A-CA1E003SF-E	1S series servo motor power cable, 3 m, non braked, 400 V: 2 kW (1000 rpm) & 3 kW	177.50	4548583972728
670660	R88A-CA1E005BF-E	1S series servo motor power cable, 5 m, with brake, 400 V: 400 W to 3 kW	265.90	4548583972841
670674	R88A-CA1E005SF-E	1S series servo motor power cable, 5 m, non braked, 400 V: 2 kW (1000 rpm) & 3 kW	192.60	4548583972988
670678	R88A-CA1E010BF-E	1S series servo motor power cable, 10 m, with brake, 400 V: 400 W to 3 kW	330.20	4548583973022
670642	R88A-CA1E010SF-E	1S series servo motor power cable, 10 m, non braked, 400 V: 2 kW (1000 rpm) & 3 kW	247.70	4548583972667
670666	R88A-CA1E015BF-E	1S series servo motor power cable, 15 m, with brake, 400 V: 400 W to 3 kW	409.40	4548583972902
670644	R88A-CA1E015SF-E	1S series servo motor power cable, 15 m, non braked, 400 V: 2 kW (1000 rpm) & 3 kW	305.70	4548583972681
670662	R88A-CA1E020BF-E	1S series servo motor power cable, 20 m, with brake, 400 V: 400 W to 3 kW	476.80	4548583972865
670680	R88A-CA1E020SF-E	1S series servo motor power cable, 20 m, non braked, 400 V: 2 kW (1000 rpm) & 3 kW	387.80	4548583973046
670682	R88A-CA1E030BF-E	1S series servo motor power cable, 30 m, with brake, 400 V: 400 W to 3 kW	638.50	4548583973060
674155	R88A-CN101A	1S motor connector (CNC) for 230 V, 0.1 to 1 kW	89.55	4548583859623
673346	R88A-CN101R	1S connector for encoder cable (drive side)	49.15	4548583789098
674151	R88A-CN102P	1S main circuit connector (CNA) for 230 V, 0.1 to 1 kW	125.90	4548583859593
673344	R88A-CN111A	1S connector for power cable (motor side); for 100-750 W, 230 V motors	55.90	4548583789111
670619	R88A-CR1A001-5CF-E	1S series servo encoder cable, 1.5m, 230V: 50-750W	98.20	4548583972438
670612	R88A-CR1A003CF-E	1S series servo encoder cable, 3m, 230V: 50-750W	103.10	4548583972360
670623	R88A-CR1A005CF-E	1S series servo encoder cable, 5m, 230V: 50-750W	110.20	4548583972476
670620	R88A-CR1A010CF-E	1S series servo encoder cable, 10m, 230V: 50-750W	128.10	4548583972445
670624	R88A-CR1A015CF-E	1S series servo encoder cable, 15m, 230V: 50-750W	149.80	4548583972483
670613	R88A-CR1A020CF-E	1S series servo encoder cable, 20m, 230V: 50-750W	183.50	4548583972377
670615	R88A-CR1A030CF-E	1S series servo encoder cable, 30m, 230V: 50-750W	244.70	4548583972391
670621	R88A-CR1B001-5NF-E	1S series servo encoder cable, 1.5m, 230V: 900W-1.5kW, 400V: 400W-15kW	119.30	4548583972452
670616	R88A-CR1B003NF-E	1S series servo encoder cable, 3m, 230V: 900W-1.5kW, 400V: 400W-15kW	122.30	4548583972407
670618	R88A-CR1B005NF-E	1S series servo encoder cable, 5m, 230V: 900W-1.5kW, 400V: 400W-15kW	128.30	4548583972421
670622	R88A-CR1B010NF-E	1S series servo encoder cable, 10m, 230V: 900W-1.5kW, 400V: 400W-15kW	152.90	4548583972469
670625	R88A-CR1B015NF-E	1S series servo encoder cable, 15m, 230V: 900W-1.5kW, 400V: 400W-15kW	174.30	4548583972490
670626	R88A-CR1B020NF-E	1S series servo encoder cable, 20m, 230V: 900W-1.5kW, 400V: 400W-15kW	213.90	4548583972506
670629	R88A-CR1B030NF-E	1S series servo encoder cable, 30m, 230V: 900W-1.5kW, 400V: 400W-15kW	284.20	4548583972537



At the heart of every great machine

Accurax G5 servomotors include IP67 protection and connectors on the motor body. Use of 10 pole motors and 20 bit encoder results in 40% reduction in motor cogging. The servo-motors are 25% lighter and 15% smaller due to patented new stator design PAC-Clamp, 40% iron loss reduction and 15% smaller encoder.

- Sizes from 50W to 15 kW, rated speeds of 1000 rpm, 1500 rpm, 2000 rpm and 3000 rpm
- Peak torque 300% of continuous torque during 3 seconds or more depending on model
- High accuracy provided by a 20 bit resolution encoder, ABS encoder as an option
- IP67 protection in all motor models
- Low speed ripple and low torque ripple due to low torque cogging
- Compact design and robust construction including smart connectors
- No motor settings required, just plug and run

Short item number	Order code	Description	Price EUR	GTIN
285551	R88M-K05030H-S2	G5 series AC servo motor, 50 W, 200 VAC, 3000 rpm, 0.16 Nm, Incremental encoder	610.00	4547648652964
322939	R88M-K05030T-S2	G5 series AC servo motor, 50 W, 200 VAC, 3000 rpm, 0.16 Nm, Absolute encoder	900.50	4547648654647
285566	R88M-K10030H-B52	G5 series AC servo motor, 100 W, 200 VAC, 3000 rpm, 0.32 Nm, Incremental encoder, with brake	1,002.00	4547648653183
285552	R88M-K10030H-S2	G5 series AC servo motor, 100 W, 200 VAC, 3000 rpm, 0.32 Nm, Incremental encoder	635.50	4547648652971
322954	R88M-K10030T-B52	G5 series AC servo motor, 100 W, 200 VAC, 3000 rpm, 0.32 Nm, Absolute encoder, with brake	1,276.00	4547648654869
322940	R88M-K10030T-S2	G5 series AC servo motor, 100 W, 200 VAC, 3000 rpm, 0.32 Nm, Absolute encoder	933.00	4547648654654
352743	R88M-K11K015C-S2	G5 series AC servo motor, 11 kW, 400 VAC, 1500 rpm, 70 Nm, Absolute encoder	6,265.00	4548583016590
352691	R88M-K15K015C-BOS2	G5 series AC servo motor, 15 kW, 400 VAC, 1500 rpm, 95.9 Nm, Absolute encoder, with brake, with oil seal	7,715.00	4548583017207
352697	R88M-K15K015C-S2	G5 series AC servo motor, 15 kW, 400 VAC, 1500 rpm, 95.9 Nm, Absolute encoder	7,125.00	4548583016606
322971	R88M-K1K020C-S2	G5 series AC servo motor, 1 kW, 400 VAC, 2000 rpm, 4.77 Nm, Absolute encoder	1,111.00	4547648657211
285592	R88M-K1K020F-B52	G5 series AC servo motor, 1 kW, 400 VAC, 2000 rpm, 4.77 Nm, Incremental encoder, with brake	1,361.00	4547648656238
285582	R88M-K1K020F-S2	G5 series AC servo motor, 1 kW, 400 VAC, 2000 rpm, 4.77 Nm, Incremental encoder	907.50	4547648656092
285588	R88M-K1K020H-B52	G5 series AC servo motor, 1 kW, 200 VAC, 2000 rpm, 4.77 Nm, Incremental encoder, with brake	1,161.00	4547648656153
285578	R88M-K1K020H-S2	G5 series AC servo motor, 1 kW, 200 VAC, 2000 rpm, 4.77 Nm, Incremental encoder	865.00	4547648656016
322961	R88M-K1K030C-B52	G5 series AC servo motor, 1 kW, 400 VAC, 3000 rpm, 3.18 Nm, Absolute encoder, with brake	1,973.00	4547648654975
322947	R88M-K1K030C-S2	G5 series AC servo motor, 1 kW, 400 VAC, 3000 rpm, 3.18 Nm, Absolute encoder	1,558.00	4547648654760
285572	R88M-K1K030F-B52	G5 series AC servo motor, 1 kW, 400 VAC, 3000 rpm, 3.18 Nm, Incremental encoder, with brake	1,669.00	4547648653299
285559	R88M-K1K030F-S2	G5 series AC servo motor, 1 kW, 400 VAC, 3000 rpm, 3.18 Nm, Incremental encoder	1,284.00	4547648653084
285556	R88M-K1K030H-S2	G5 series AC servo motor, 1 kW, 200 VAC, 3000 rpm, 3.18 Nm, Incremental encoder	1,232.00	4547648653015
322982	R88M-K1K520C-B52	G5 series AC servo motor, 1.5 kW, 400 VAC, 2000 rpm, 7.16 Nm, Absolute encoder, with brake	1,747.00	4547648657365
322972	R88M-K1K520C-S2	G5 series AC servo motor, 1.5 kW, 400 VAC, 2000 rpm, 7.16 Nm, Absolute encoder	1,301.00	4547648657228
285593	R88M-K1K520F-B52	G5 series AC servo motor, 1.5 kW, 400 VAC, 2000 rpm, 7.16 Nm, Incremental encoder, with brake	1,431.00	4547648656245
285583	R88M-K1K520F-S2	G5 series AC servo motor, 1.5 kW, 400 VAC, 2000 rpm, 7.16 Nm, Incremental encoder	1,030.00	4547648656168
285589	R88M-K1K520H-B52	G5 series AC servo motor, 1.5 kW, 200 VAC, 2000 rpm, 7.16 Nm, Incremental encoder, with brake	1,369.00	4547648656100
285579	R88M-K1K520H-S2	G5 series AC servo motor, 1.5 kW, 200 VAC, 2000 rpm, 7.16 Nm, Incremental encoder	1,036.00	4547648656023
322962	R88M-K1K530C-B52	G5 series AC servo motor, 1.5 kW, 400 VAC, 3000 rpm, 4.77 Nm, Absolute encoder, with brake	2,210.00	4547648654982
322948	R88M-K1K530C-S2	G5 series AC servo motor, 1.5 kW, 400 VAC, 3000 rpm, 4.77 Nm, Absolute encoder	1,725.00	4547648654777
285573	R88M-K1K530F-B52	G5 series AC servo motor, 1.5 kW, 400 VAC, 3000 rpm, 4.77 Nm, Incremental encoder, with brake	1,926.00	4547648653305
285560	R88M-K1K530F-S2	G5 series AC servo motor, 1.5 kW, 400 VAC, 3000 rpm, 4.77 Nm, Incremental encoder	1,498.00	4547648653091
285570	R88M-K1K530H-B52	G5 series AC servo motor, 1.5 kW, 200 VAC, 3000 rpm, 4.77 Nm, Incremental encoder, with brake	1,936.00	4547648653237
285557	R88M-K1K530H-S2	G5 series AC servo motor, 1.5 kW, 200 VAC, 3000 rpm, 4.77 Nm, Incremental encoder	1,488.00	4547648653022
285567	R88M-K20030H-B52	G5 series AC servo motor, 200 W, 200 VAC, 3000 rpm, 0.64 Nm, Incremental encoder, with brake	1,102.00	4547648653190
285553	R88M-K20030H-S2	G5 series AC servo motor, 200 W, 200 VAC, 3000 rpm, 0.64 Nm, Incremental encoder	739.50	4547648652988
322955	R88M-K20030T-B52	G5 series AC servo motor, 200 W, 200 VAC, 3000 rpm, 0.64 Nm, Absolute encoder, with brake	1,383.00	4547648654876
322941	R88M-K20030T-S2	G5 series AC servo motor, 200 W, 200 VAC, 3000 rpm, 0.64 Nm, Absolute encoder	1,004.00	4547648654661
285600	R88M-K2K010F-S2	G5 series AC servo motor, 2 kW, 400 VAC, 1000 rpm, 19.1 Nm, Incremental encoder	1,836.00	4547648657976
322983	R88M-K2K020C-B52	G5 series AC servo motor, 2 kW, 400 VAC, 2000 rpm, 9.55 Nm, Absolute encoder, with brake	1,958.00	4547648657372
322973	R88M-K2K020C-S2	G5 series AC servo motor, 2 kW, 400 VAC, 2000 rpm, 9.55 Nm, Absolute encoder	1,524.00	4547648657235
285594	R88M-K2K020F-B52	G5 series AC servo motor, 2 kW, 400 VAC, 2000 rpm, 9.55 Nm, Incremental encoder, with brake	1,687.00	4547648656252
285584	R88M-K2K020F-S2	G5 series AC servo motor, 2 kW, 400 VAC, 2000 rpm, 9.55 Nm, Incremental encoder	1,192.00	4547648656115
322963	R88M-K2K030C-B52	G5 series AC servo motor, 2 kW, 400 VAC, 3000 rpm, 6.37 Nm, Absolute encoder, with brake	2,439.00	4547648654999
322949	R88M-K2K030C-S2	G5 series AC servo motor, 2 kW, 400 VAC, 3000 rpm, 6.37 Nm, Absolute encoder	1,959.00	4547648654784
285574	R88M-K2K030F-B52	G5 series AC servo motor, 2 kW, 400 VAC, 3000 rpm, 6.37 Nm, Incremental encoder, with brake	2,179.00	4547648653312
285561	R88M-K2K030F-S2	G5 series AC servo motor, 2 kW, 400 VAC, 3000 rpm, 6.37 Nm, Incremental encoder	1,663.00	4547648653107
285601	R88M-K3K010F-S2	G5 series AC servo motor, 3 kW, 400 VAC, 1000 rpm, 28.7 Nm, Incremental encoder	2,416.00	4547648657983
322984	R88M-K3K020C-B52	G5 series AC servo motor, 3 kW, 400 VAC, 2000 rpm, 14.3 Nm, Absolute encoder, with brake	2,270.00	4547648657389
322974	R88M-K3K020C-S2	G5 series AC servo motor, 3 kW, 400 VAC, 2000 rpm, 14.3 Nm, Absolute encoder	1,863.00	4547648657242
285595	R88M-K3K020F-B52	G5 series AC servo motor, 3 kW, 400 VAC, 2000 rpm, 14.3 Nm, Incremental encoder, with brake	1,991.00	4547648656269
285585	R88M-K3K020F-S2	G5 series AC servo motor, 3 kW, 400 VAC, 2000 rpm, 14.3 Nm, Incremental encoder	1,492.00	4547648656122
322964	R88M-K3K030C-B52	G5 series AC servo motor, 3 kW, 400 VAC, 3000 rpm, 9.55 Nm, Absolute encoder, with brake	2,951.00	4547648655002
322950	R88M-K3K030C-S2	G5 series AC servo motor, 3 kW, 400 VAC, 3000 rpm, 9.55 Nm, Absolute encoder	2,235.00	4547648654791

Short item number	Order code	Description	Price EUR	GTIN
285575	R88M-K3K030F-BS2	G5 series AC servo motor, 3 kW, 400 VAC, 3000 rpm, 9.55 Nm, Incremental encoder, with brake	2,673.00	454764865329
285562	R88M-K3K030F-S2	G5 series AC servo motor, 3 kW, 400 VAC, 3000 rpm, 9.55 Nm, Incremental encoder	1,942.00	4547648653114
322969	R88M-K40020C-S2	G5 series AC servo motor, 400 W, 400 VAC, 2000 rpm, 1.91 Nm, Absolute encoder	1,008.00	4547648657198
285580	R88M-K40020F-S2	G5 series AC servo motor, 400 W, 400 VAC, 2000 rpm, 1.91 Nm, Incremental encoder	730.00	4547648656078
285568	R88M-K40030H-BS2	G5 series AC servo motor, 400 W, 200 VAC, 3000 rpm, 1.3 Nm, Incremental encoder, with brake	1,258.00	4547648653206
285554	R88M-K40030H-S2	G5 series AC servo motor, 400 W, 200 VAC, 3000 rpm, 1.3 Nm, Incremental encoder	837.00	4547648652995
322956	R88M-K40030T-BS2	G5 series AC servo motor, 400 W, 200 VAC, 3000 rpm, 1.3 Nm, Absolute encoder, with brake	1,522.00	4547648654883
322942	R88M-K40030T-S2	G5 series AC servo motor, 400 W, 200 VAC, 3000 rpm, 1.3 Nm, Absolute encoder	1,110.00	4547648654678
285596	R88M-K4K020F-BS2	G5 series AC servo motor, 4 kW, 400 VAC, 2000 rpm, 19.1 Nm, Incremental encoder, with brake	2,363.00	4547648656276
285586	R88M-K4K020F-S2	G5 series AC servo motor, 4 kW, 400 VAC, 2000 rpm, 19.1 Nm, Incremental encoder	1,892.00	4547648656139
322965	R88M-K4K030C-BS2	G5 series AC servo motor, 4 kW, 400 VAC, 3000 rpm, 12.7 Nm, Absolute encoder, with brake	3,646.00	4547648655019
285576	R88M-K4K030F-BS2	G5 series AC servo motor, 4 kW, 400 VAC, 3000 rpm, 12.7 Nm, Incremental encoder, with brake	3,329.00	4547648653336
285563	R88M-K4K030F-S2	G5 series AC servo motor, 4 kW, 400 VAC, 3000 rpm, 12.7 Nm, Incremental encoder	2,567.00	4547648653121
373213	R88M-K4K510C-BOS2	G5 series AC servo motor, 4.5 kW, 400 VAC, 1000 rpm, 43 Nm, Absolute encoder, with brake, with oil seal	3,637.00	4548583017160
356385	R88M-K4K510C-S2	G5 series AC servo motor, 4.5 kW, 400 VAC, 1000 rpm, 43 Nm, Absolute encoder	3,670.00	4548583016569
322986	R88M-K5K020C-BS2	G5 series AC servo motor, 5 kW, 400 VAC, 2000 rpm, 23.9 Nm, Absolute encoder, with brake	2,919.00	4547648657402
322976	R88M-K5K020C-S2	G5 series AC servo motor, 5 kW, 400 VAC, 2000 rpm, 23.9 Nm, Absolute encoder	2,580.00	4547648657266
285597	R88M-K5K020F-BS2	G5 series AC servo motor, 5 kW, 400 VAC, 2000 rpm, 23.9 Nm, Incremental encoder, with brake	2,526.00	4547648656283
285587	R88M-K5K020F-S2	G5 series AC servo motor, 5 kW, 400 VAC, 2000 rpm, 23.9 Nm, Incremental encoder	1,991.00	4547648656146
322952	R88M-K5K030C-S2	G5 series AC servo motor, 5 kW, 400 VAC, 3000 rpm, 15.9 Nm, Absolute encoder	4,039.00	4547648654814
285577	R88M-K5K030F-BS2	G5 series AC servo motor, 5 kW, 400 VAC, 3000 rpm, 15.9 Nm, Incremental encoder, with brake	4,405.00	4547648653343
285564	R88M-K5K030F-S2	G5 series AC servo motor, 5 kW, 400 VAC, 3000 rpm, 15.9 Nm, Incremental encoder	3,696.00	4547648653138
285591	R88M-K60020F-BS2	G5 series AC servo motor, 600 W, 400 VAC, 2000 rpm, 2.86 Nm, Incremental encoder, with brake	1,167.00	4547648656221
285581	R88M-K60020F-S2	G5 series AC servo motor, 600 W, 400 VAC, 2000 rpm, 2.86 Nm, Incremental encoder	828.50	4547648656085
352701	R88M-K6K010C-BOS2	G5 series AC servo motor, 6 kW, 400 VAC, 1000 rpm, 57.3 Nm, Absolute encoder, with brake, with oil seal	4,969.00	4548583017177
352695	R88M-K6K010C-S2	G5 series AC servo motor, 6 kW, 400 VAC, 1000 rpm, 57.3 Nm, Absolute encoder	4,547.00	4548583016576
322960	R88M-K75030C-BS2	G5 series AC servo motor, 750 W, 400 VAC, 3000 rpm, 2.39 Nm, Absolute encoder, with brake	1,921.00	4547648654968
322946	R88M-K75030C-S2	G5 series AC servo motor, 750 W, 400 VAC, 3000 rpm, 2.39 Nm, Absolute encoder	1,599.00	4547648654753
285571	R88M-K75030F-BS2	G5 series AC servo motor, 750 W, 400 VAC, 3000 rpm, 2.39 Nm, Incremental encoder, with brake	1,652.00	4547648653282
285558	R88M-K75030F-S2	G5 series AC servo motor, 750 W, 400 VAC, 3000 rpm, 2.39 Nm, Incremental encoder	1,263.00	4547648653077
285569	R88M-K75030H-BS2	G5 series AC servo motor, 750 W, 200 VAC, 3000 rpm, 2.4 Nm, Incremental encoder, with brake	1,536.00	4547648653213
285555	R88M-K75030H-S2	G5 series AC servo motor, 750 W, 200 VAC, 3000 rpm, 2.4 Nm, Incremental encoder	1,056.00	4547648653008
322957	R88M-K75030T-BS2	G5 series AC servo motor, 750 W, 200 VAC, 3000 rpm, 2.4 Nm, Absolute encoder, with brake	1,942.00	4547648654890
322943	R88M-K75030T-S2	G5 series AC servo motor, 750 W, 200 VAC, 3000 rpm, 2.4 Nm, Absolute encoder	1,536.00	4547648654685
352702	R88M-K7K515C-BOS2	G5 series AC servo motor, 7.5 kW, 400 VAC, 1500 rpm, 47.8 Nm, Absolute encoder, with brake, with oil seal	5,475.00	4548583017184
352696	R88M-K7K515C-S2	G5 series AC servo motor, 7.5 kW, 400 VAC, 1500 rpm, 47.8 Nm, Absolute encoder	4,896.00	4548583016583
285599	R88M-K90010F-S2	G5 series AC servo motor, 900 W, 400 VAC, 1000 rpm, 8.59 Nm, Incremental encoder	1,291.00	4547648657969

Short item number	Order code	Description	Price EUR	GTIN
294081	R88A-CAGB001-5SR-E	Servo motor power cable, 1.5 m, w/o brake, 900 W-1.5 kW	117.80	4547648867979
294088	R88A-CAGB003BR-E	Servo motor power cable, 3 m, with brake, 900 W-1.5 kW	150.30	4547648868044
294082	R88A-CAGB003SR-E	Servo motor power cable, 3 m, w/o brake, 900 W-1.5 kW	135.50	4547648867986
294089	R88A-CAGB005BR-E	Servo motor power cable, 5 m, with brake, 900 W-1.5 kW	177.20	4547648868051
294083	R88A-CAGB005SR-E	Servo motor power cable, 5 m, w/o brake, 900 W-1.5 kW	159.10	4547648867993
294084	R88A-CAGB010SR-E	Servo motor power cable, 10 m, w/o brake, 900 W-1.5 kW	217.50	4547648868006
294085	R88A-CAGB015SR-E	Servo motor power cable, 15 m, w/o brake, 900 W-1.5 kW	275.70	4547648868013
294086	R88A-CAGB020SR-E	Servo motor power cable, 20 m, w/o brake, 900 W-1.5 kW	335.20	4547648868020
347177	R88A-CAGB030SR-E	Servo motor power cable, 30 m, w/o brake, 900 W to 1.5 kW	481.10	4547648889933
298292	R88A-CAGD003BR-E	G5 series servo motor power cable, 3 m, with brake, 3 to 5 kW	226.40	4547648868723
298280	R88A-CAGD003SR-E	G5 series servo motor power cable, 3 m, w/o brake, 3-5 kW	147.90	4547648868600
298293	R88A-CAGD005BR-E	G5 series servo motor power cable, 5 m, with brake, 3 to 5 kW	264.40	4547648868730
298281	R88A-CAGD005SR-E	G5 series servo motor power cable, 5 m, w/o brake, 3-5 kW	173.00	4547648868617
298294	R88A-CAGD010BR-E	G5 series servo motor power cable, 10 m, with brake, 3 to 5 kW	361.80	4547648868747
298282	R88A-CAGD010SR-E	G5 series servo motor power cable, 10 m, w/o brake, 3-5 kW	246.70	4547648868624
301013	R88A-CAGD015BR-E	G5 series servo motor power cable, 15 m, with brake, 3 to 5 kW	454.50	4547648869584
298283	R88A-CAGD015SR-E	G5 series servo motor power cable, 15 m, w/o brake, 3-5 kW	368.30	4547648868631
298296	R88A-CAGD020BR-E	G5 series servo motor power cable, 20 m, with brake, 3 to 5 kW	518.00	4547648868754
298284	R88A-CAGD020SR-E	G5 series servo motor power cable, 20 m, w/o brake, 3-5 kW	447.50	4547648868648
347167	R88A-CAGD030SR-E	G5 series servo motor power cable, 30 m, w/o brake, 3 kW to 5 kW	568.00	4547648889834
355781	R88A-CAGE003BR-E	G5 series servo brake cable, 3 m, 6 kW - 15 kW	121.80	4547648917346
355782	R88A-CAGE005BR-E	G5 series servo brake cable, 5 m, 6 kW - 15 kW	121.80	4547648917353
355783	R88A-CAGE010BR-E	G5 series servo brake cable, 10 m, 6 kW - 15 kW	152.10	4547648917360
298273	R88A-CAKA001-5SR-E	G5 series servo motor power cable, 1.5 m, non braked, 50-750 W	149.50	4547648868532
298298	R88A-CAKA003BR-E	G5 series servo brake cable, 3m, 50-750W	104.50	4547648868778
298274	R88A-CAKA003SR-E	G5 series servo motor power cable, 3 m, non braked, 50-750 W	161.80	4547648868549
298299	R88A-CAKA005BR-E	G5 series servo brake cable, 5m, 50-750W	110.70	4547648868785
298275	R88A-CAKA005SR-E	G5 series servo motor power cable, 5 m, non braked, 50-750 W	178.90	4547648868556
298300	R88A-CAKA010BR-E	G5 series servo brake cable, 10m, 50-750W	125.80	4547648868792
298276	R88A-CAKA010SR-E	G5 series servo motor power cable, 10 m, non braked, 50-750 W	221.20	4547648868563



Short item number	Order code	Description	Price EUR	GTIN
298301	R88A-CAKA015BR-E	G5 series servo brake cable, 15m, 50-750W	141.50	4547648868808
298277	R88A-CAKA015SR-E	G5 series servo motor power cable, 15 m, non braked, 50-750 W	262.90	4547648868570
298302	R88A-CAKA020BR-E	G5 series servo brake cable, 20m, 50-750W	156.10	4547648868815
298278	R88A-CAKA020SR-E	G5 series servo motor power cable, 20 m, non braked, 50-750 W	304.80	4547648868587
347158	R88A-CAKA030SR-E	G5 series servo motor power cable, 30 m, non braked, 50 to 750 W	444.30	4547648889742
355770	R88A-CAKE005SR-E	G5 series servo motor power cable, 5 m, non braked, 6 k W to 7.5 kW	391.70	4547648917230
355771	R88A-CAKE010SR-E	G5 series servo motor power cable, 10 m, non braked, 6 k W to 7.5 kW	530.50	4547648917247
355772	R88A-CAKE015SR-E	G5 series servo motor power cable, 15 m, non braked, 6 k W to 7.5 kW	766.00	4547648917254
298286	R88A-CAKF003BR-E	G5 series servo motor power cable, 3 m, braked, 750 W to 2 kW	202.70	4547648868662
298287	R88A-CAKF005BR-E	G5 series servo motor power cable, 5 m, braked, 750 W to 2 kW	225.40	4547648868679
298288	R88A-CAKF010BR-E	G5 series servo motor power cable, 10 m, braked, 750 W to 2 kW	281.60	4547648868686
298289	R88A-CAKF015BR-E	G5 series servo motor power cable, 15 m, braked, 750 W to 2 kW	338.30	4547648868693
298290	R88A-CAKF020BR-E	G5 series servo motor power cable, 20 m, braked, 750 W to 2 kW	395.20	4547648868709
355777	R88A-CAKG010SR-E	G5 series servo motor power cable, 10 m, non braked, 11 kW to 15 kW	673.00	4547648917308
294101	R88A-CNK41L	G5 series servo external encoder connector [for CN4]	30.52	4547648720489
678726	R88A-CNK81S	Accessory servo, G5, safety I/O signal connector (CN8)	22.31	4549734927949
298261	R88A-CRKA001-5CR-E	G5 series servo encoder cable, 1.5 m, 50 to 750 W	94.20	4547648868419
298262	R88A-CRKA003CR-E	G5 series servo encoder cable, 3 m, 50 to 750 W	104.50	4547648868426
301748	R88A-CRKA005CR-E	G5 series servo encoder cable, 5 m, 50 to 750 W	118.80	4547648870184
298264	R88A-CRKA010CR-E	G5 series servo encoder cable, 10 m, 50 to 750 W	153.70	4547648868440
298265	R88A-CRKA015CR-E	G5 series servo encoder cable, 15 m, 50 to 750 W	189.20	4547648868457
298266	R88A-CRKA020CR-E	G5 series servo encoder cable, 20 m, 50 to 750 W	224.10	4547648868464
347145	R88A-CRKA030CR-E	G5 series servo encoder cable, 30 m, 50 to 750 W	364.80	4547648889612
301010	R88A-CRKC001-5NR-E	G5 series servo encoder cable, 1.5 m, 200 V: 1 to 1.5 kW, 400 V: 400 W to 5 kW	118.20	4547648869553
301011	R88A-CRKC003NR-E	G5 series servo encoder cable, 3 m, 200 V: 1 to 1.5 kW, 400 V: 400 W to 5 kW	128.70	4547648869560
298269	R88A-CRKC005NR-E	G5 series servo encoder cable, 5 m, 200 V: 1 to 1.5 kW, 400 V: 400 W to 5 kW	143.20	4547648868495
298270	R88A-CRKC010NR-E	G5 series servo encoder cable, 10 m, 200 V: 1 to 1.5 kW, 400 V: 400 W to 5 kW	178.30	4547648868501
298271	R88A-CRKC015NR-E	G5 series servo encoder cable, 15 m, 200 V: 1 to 1.5 kW, 400 V: 400 W to 5 kW	213.40	4547648868518
298272	R88A-CRKC020NR-E	G5 series servo encoder cable, 20 m, 200 V: 1 to 1.5 kW, 400 V: 400 W to 5 kW	249.00	4547648868525
341857	R88A-CRKC030NR-E	G5 series servo encoder cable, 30 m, 200 V: 1 to 1.5 kW, 400 V: 400 W to 5 kW	358.40	4547648887090
349416	R88A-CRKM005SR-E	Accurax G5 external encoder cable for CN4, 5m	147.10	4547648891875



### Compact in size big in features

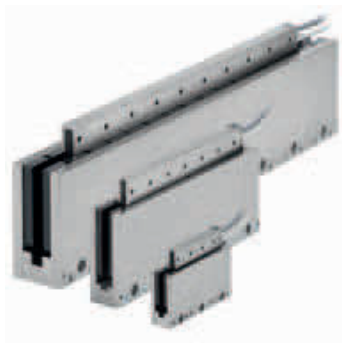
A wide range of compact servo motors to meet all application needs. When used with a SmartStep 2 drive, the G-series servo motors offer the simplicity and cost-effectiveness of a stepper with the added advantages of a servo system.

- Peak torque 300% of continuous torque during 3 seconds or more depending on model
- Servo motors supported by SmartStep2, G-Series and Accurax G5 servo drives
- Cylindrical and Flat servo motors types are available
- Encoder accuracy of 10,000 pulses incremental as standard and 17-bit absolute
- IP65 as standard and shaft oil seal available
- Motors with brake as option

Short item number	Order code	Description	Price EUR	GTIN
322924	R88M-G05030H-S2	G-Series AC servo motor, 50 W, 200 VAC, 3000 rpm, 0.16 Nm, incremental	363.60	4547648493437
285893	R88M-G10030H-B52	G-Series/SmartStep 2 AC servo motor (cylinder type), 100 W, 200 VAC, 3000 rpm, 0.32 Nm, with brake	613.50	4547648493642
285890	R88M-G10030H-S2	G-Series/SmartStep 2 AC servo motor (cylinder type), 100 W, 200 VAC, 3000 rpm, 0.32 Nm	396.40	4547648493444
378071	R88M-G10030H-S2-D	G-Series AC servo motor, 100 W, 200 VAC, 3000 rpm, 0.32 Nm, incremental, with circular connector	451.10	4548583414815
285894	R88M-G20030H-B52	G-Series/SmartStep 2 AC servo motor (cylinder type), 200 W, 200 VAC, 3000 rpm, 0.64 Nm, with brake	725.00	4547648493659
378066	R88M-G20030H-B52-D	G-Series AC servo motor, 200 W, 200 VAC, 3000 rpm, 0.64 Nm, incremental, Brake, with circular connector	731.00	4548583415195
285891	R88M-G20030H-S2	G-Series/SmartStep 2 AC servo motor (cylinder type), 200 W, 200 VAC, 3000 rpm, 0.64 Nm	489.80	4547648493451
378075	R88M-G20030H-S2-D	G-Series AC servo motor, 200 W, 200 VAC, 3000 rpm, 0.64 Nm, incremental, with circular connector	580.50	4548583414853
285895	R88M-G40030H-B52	G-Series/SmartStep 2 AC servo motor (cylinder type), 400 W, 200 VAC, 3000 rpm, 1.3 Nm, with brake	785.50	4547648493666
285892	R88M-G40030H-S2	G-Series/SmartStep 2 AC servo motor (cylinder type), 400 W, 200 VAC, 3000 rpm, 1.3 Nm	530.00	4547648493468
378046	R88M-G40030H-S2-D	G-Series AC servo motor, 400 W, 200 VAC, 3000 rpm, 1.3 Nm, incremental, with circular connector	633.50	4548583414570
286728	R88M-G75030H-B52	G-Series AC servo motor, 750 W, 200 VAC, 3000 rpm, 2.4 Nm, incremental, Brake	1,002.00	4547648493673
378051	R88M-G75030H-B52-D	G-Series AC servo motor, 750 W, 200 VAC, 3000 rpm, 2.4 Nm, incremental, Brake, with circular connector	1,094.00	4548583414624
286727	R88M-G75030H-S2	G-Series AC servo motor, 750 W, 200 VAC, 3000 rpm, 2.4 Nm, incremental	729.50	4547648493475
378050	R88M-G75030H-S2-D	G-Series AC servo motor, 750 W, 200 VAC, 3000 rpm, 2.4 Nm, incremental, with circular connector	817.50	4548583414617
285896	R88M-GP10030H-S2	G-Series/SmartStep 2 AC servo motor (cube type), 100 W, 200 VAC, 3000 rpm, 0.32 Nm	497.60	4547648496131
285898	R88M-GP40030H-S2	G-Series/SmartStep 2 AC servo motor (cube type), 400 W, 200 VAC, 3000 rpm, 1.3 Nm	617.50	4547648496155

Short item number	Order code	Description	Price EUR	GTIN
294077	R88A-CRGA005CR-E	G-Series servo encoder cable, 5 m, absolute encoder type, 50 to 750 W	125.40	4547648867931
294078	R88A-CRGA010CR-E	G-Series servo encoder cable, 10 m, absolute encoder type, 50 to 750 W	157.40	4547648867948
281397	R88A-CRGB001-5CR-E	Servo encoder cable, 1.5 m, incremental encoder type, 50 to 750 W	88.90	4547648865593
281398	R88A-CRGB003CR-E	Servo encoder cable, 3 m, incremental encoder type, 50 to 750 W	99.45	4547648865609
281399	R88A-CRGB005CR-E	Servo encoder cable, 5 m, incremental encoder type, 50 to 750 W	113.50	4547648865616
281400	R88A-CRGB010CR-E	Servo encoder cable, 10 m, incremental encoder type, 50 to 750 W	149.10	4547648865623
281401	R88A-CRGB015CR-E	Servo encoder cable, 15 m, incremental encoder type, 50 to 750 W	184.20	4547648865630
281402	R88A-CRGB020CR-E	Servo encoder cable, 20 m, incremental encoder type, 50 to 750 W	219.80	4547648865647

Short item number	Order code	Description	Price EUR	GTIN
168878	MS3108E18-10S	Military power connector IP67 for 400 V motors SGMGH (05/10/13)D, SGM SH (10/15/20)D, SGMUH (10/15)D, SGM BH fan	59.70	4536853875893
168877	MS3108E20-29S	Absolute encoder connector motor side G-Series 900-1500 W	51.10	4536853875886
329420	MS3108E20-4S	Power cable connector G5 motor side	65.65	454764880664
168879	MS3108E22-22S	Military power connector IP67 for 400 V motors SGMGH (20/30/44)D, SGM SH (30/40/50)D, SGMUH (30/40)D	79.60	4536853875909
331799	MS3108E24-11S	Power cable connector G5 motor side	70.00	4547648883078
168880	MS3108E32-17S	Military power connector IP67 for 400 V motors SGMGH (55/75/1 A/1E)D	107.50	4536853875916
281391	R7A-CAB001-5SR-E	Power cable for SmartStep 2 motor, 1.5 m	45.78	4547648865531
281392	R7A-CAB003SR-E	Power cable for SmartStep 2 motor, 3 m	52.15	4547648865548
377686	R7A-CAB005SR-DE	SmartStep 2 power cable for 50 W to 400 W models, circular IP67 connectors, non braked, 5 m	109.00	4547648963251
281393	R7A-CAB005SR-E	Power cable for SmartStep 2 motor, 5 m	59.70	4547648865555
281394	R7A-CAB010SR-E	Power cable for SmartStep 2 motor, 10 m	79.90	4547648865562
292043	R7A-CNB01A	SmartStep 2 servo motor connector (CNB)	11.88	4547648491068
292044	R7A-CNB01P	SmartStep 2 main circuit connector (CNA)	10.56	4547648491082
292045	R88A-BAT01G	Absolute encoder backup battery	79.30	4547648491105
281403	R88A-CAGA001-5BR-E	SmartStep 2/G-Series brake cable 1.5m, 50-750 W	41.81	4547648865654
294069	R88A-CAGA001-5SR-E	SmartStep 2/G-Series power cable 1.5 m, 50-750 W	43.47	4547648867856
281404	R88A-CAGA003BR-E	SmartStep 2/G-Series brake cable 3m, 50-750 W	46.40	4547648865661
294070	R88A-CAGA003SR-E	SmartStep 2/G-Series power cable 3 m, 50-750 W	49.38	4547648867863
281405	R88A-CAGA005BR-E	SmartStep 2/G-Series brake cable 5m, 50-750 W	52.75	4547648865678
294071	R88A-CAGA005SR-E	SmartStep 2/G-Series power cable 5 m, 50-750 W	57.75	4547648867870
281406	R88A-CAGA010BR-E	SmartStep 2/G-Series brake cable 10m, 50-750 W	68.05	4547648865685
294072	R88A-CAGA010SR-E	SmartStep 2/G-Series power cable 10 m, 50-750 W	77.55	4547648867887
281407	R88A-CAGA015BR-E	SmartStep 2/G-Series brake cable 15m, 50-750 W	83.25	4547648865692
294073	R88A-CAGA015SR-E	SmartStep 2/G-Series power cable 15 m, 50-750 W	97.45	4547648867894
294074	R88A-CAGA020SR-E	SmartStep 2/G-Series power cable 20 m, 50-750 W	117.20	4547648867900
139296	R88A-CAWA003B-DE	servo motor (with brake) cable, 3 m (equivalent to DP9325253-3G)	122.60	4536853863371
157422	R88A-CAWA003S-DE	servo motor cable, 3 m (equivalent to DP9325252-3G)	114.90	4536853863302
139297	R88A-CAWA005B-DE	servo motor (with brake) cable, 5 m (equivalent to DP9325253 to 5G)	148.60	4536853863395
139298	R88A-CAWA010B-DE	servo motor (with brake) cable, 10 m (equivalent to DP9325253-10G)	206.10	4536853863418
139295	R88A-CAWA010S-DE	servo motor cable, 10 m (equivalent to DP9325252-10G)	192.00	4536853863333
153730	R88A-CAWA015B-DE	servo motor (with brake) cable, 15 m (equivalent to DP9325253-15G)	268.00	4536853863425
155691	R88A-CAWA015S-DE	servo motor cable, 15 m (equivalent to DP9325252-15G)	259.30	4536853863364
146112	R88A-CAWA020S-DE	servo motor cable, 20 m (equivalent to DP9325252-20G)	318.70	4536853863340
292061	R88A-CNG01A	Servo motor connector for servo motor power cable	14.97	4547648491075
678730	R88A-CNG02R	Servo motor connector for incremental encoder cable G-Series 50 to 750 W	18.04	4549734927987
294392	R88A-CNK02R	Encoder cable connector, motor side, models up to 750 W	33.52	4547648720434
329419	R88A-CNK04R-E	Encoder cable connector, motor side: R88M-K(1K0/1K5)30(H/T), -K(750/1K0/1K5/2K0/3K0/4K0/5K0)30(F/C), -K(400/600/1K0/1K5/2K0/3K0/4K0/5K0)20, -K(900/2K0/3K0)10	65.65	4547648880657
294393	R88A-CNK11A	Motor power cable connector, motor side, models up to 750 W	58.75	4547648720458
678727	R88A-CNU11C	Connector for CN1, control I/O [analog/ pulse model only]	45.45	4549734927956
678725	R88A-CNW01R	Encoder cable connector [CN2], drive side, all models	50.75	4549734927932
292058	R88A-CRGD0R3C	Absolute encoder battery cable [battery not included]	122.80	4547648493215
292064	R88A-CRGD0R3C-BS	Absolute encoder battery cable [BAT01G included]	215.30	4547648582780
139213	R88A-CRWA003C-DE	servo encoder cable, 3m (equivalent to DP9325256-3G)	165.80	4536853863616
139214	R88A-CRWA005C-DE	servo encoder cable, 5m (equivalent to DP9325256-5G)	197.70	4536853863630
139215	R88A-CRWA010C-DE	servo encoder cable, 10m (equivalent to DP9325256-10G)	235.40	4536853863654
139216	R88A-CRWA015C-DE	servo encoder cable, 15m (equivalent to DP9325256-15G)	295.50	4536853863661
139217	R88A-CRWA020C-DE	servo encoder cable, 20m (equivalent to DP9325256-20G)	344.80	4536853863685
137635	SPOC-06K-FSDN169	Motor power connector (female) for SGM AH (200 V) and SGM PH (200 V). Similar to SPU C-06K-FSDN169, but cable clamp variable from 5.5mm to 12mm	32.60	4536853874124
156581	SPOC-17H-FRON169	Motor encoder connector (female) for SGM AH and SGM PH. Similar to SPU C-17H-FRON169, but cable clamp variable from 5.5mm to 12mm	32.59	4536853874131
137636	SRUC-06J-MSCN236	Smart Step IP67 motor power connector, male (used by the motor)	19.69	4536853874155
175766	SRUC-17G-MRWN087	Smart Step IP67 motor encoder connector, male (used by the motor)	24.91	4536853883942



### New Linear Motors with optimised efficiency

Ironless motors for cogging-free and high dynamic applications. This motor family deliver unparalleled accuracy and performance benefits.

- High dynamic and precise positioning
- Excellent force-to-weight ratio ironless motors
- Weight-optimised magnet track
- Optional digital hall-sensor and connectors
- Temperature sensors included

Short item number	Order code	Description	Price EUR	GTIN
354065	R88A-CRKN001-5CR-E	Accurax G5 linear drive to serial converter cable, 1.5m	215.40	4547648903417
354066	R88A-CRKN003CR-E	Accurax G5 linear drive to serial converter cable 3m	164.70	4547648903424
354067	R88A-CRKN005CR-E	Accurax G5 linear drive to serial converter cable, 5m	183.30	4547648903431
354068	R88A-CRKN010CR-E	Accurax G5 linear drive to serial converter cable 10m	286.50	4547648903448

### Additional servo systems

### Additional servo systems

Short item number	Order code	Description	Price EUR	GTIN
139294	R88A-CAWA005S-DE	servo motor cable, 5 m (equivalent to DP9325252-5G)	141.40	4536853863319

## Driving quality - Q2A tailored application drive



- Open/closed loop speed or torque control
- Embedded functional safety (STO SIL3)
- Built-in C3 class EMC filter
- Conform to EN 60721-3-3, 3S2 and 3C2
- Built-in braking transistor (up to 90 kW)
- Quick and easy setup with intuitive keypad and navigation
- Micro SD for data storage
- Real-Time Clock
- 24 VDC power supply input for control board
- Communication options: EtherCAT, EtherNet/IP, PROFINET, Modbus TCP/IP, POWERLINK
- Mobile Device connectivity (via USB or optional Bluetooth)
- Regenerative solutions as option
- CE, UL, cUL, EAC, RoHS

Short item number	Order code	Description	Price EUR	GTIN
684698	Q2A-A2010-AAA	Inverter Q2A, 200 V, ND: 9.6 A / 2.2 kW, HD: 8 A / 1.5 kW, IP20, max. output freq. 590 Hz	1,047.00	4549734959322
684699	Q2A-A2012-AAA	Inverter Q2A, 200 V, ND: 12.2 A / 3.0 kW, HD: 11 A / 2.2 kW, IP20, max. output freq. 590 Hz	1,533.00	4549734959339
684700	Q2A-A2021-AAA	Inverter Q2A, 200 V, ND: 21 A / 5.5 kW, HD: 17.5 A / 3.7 kW, IP20, max. output freq. 590 Hz	1,605.00	4549734959346
684701	Q2A-A2030-AAA	Inverter Q2A, 200 V, ND: 30 A / 7.5 kW, HD: 25 A / 5.5 kW, IP20, max. output freq. 590 Hz	1,687.00	4549734959353
684702	Q2A-A2042-AAA	Inverter Q2A, 200 V, ND: 42 A / 11 kW, HD: 33 A / 7.5 kW, IP20, max. output freq. 590 Hz	2,033.00	4549734959360
684703	Q2A-A2056-AAA	Inverter Q2A, 200 V, ND: 56 A / 15 kW, HD: 47 A / 11 kW, IP20, max. output freq. 590 Hz	2,411.00	4549734959377
684704	Q2A-A2070-AAA	Inverter Q2A, 200 V, ND: 70 A / 18.5 kW, HD: 60 A / 15 kW, IP20, max. output freq. 590 Hz	3,820.00	4549734959384
684705	Q2A-A2082-AAA	Inverter Q2A, 200 V, ND: 82 A / 22 kW, HD: 75 A / 18.5 kW, IP20, max. output freq. 590 Hz	4,707.00	4549734959391
684706	Q2A-A2110-AAA	Inverter Q2A, 200 V, ND: 110 A / 30 kW, HD: 88 A / 22 kW, IP20, max. output freq. 590 Hz	4,651.00	4549734959407
684707	Q2A-A2138-AAA	Inverter Q2A, 200 V, ND: 138 A / 37 kW, HD: 115 A / 30 kW, IP20, max. output freq. 590 Hz	7,855.00	4549734959414
684708	Q2A-A2169-AAA	Inverter Q2A, 200 V, ND: 169 A / 45 kW, HD: 145 A / 37 kW, IP20, max. output freq. 590 Hz	9,000.00	4549734959421
684709	Q2A-A2211-AAA	Inverter Q2A, 200 V, ND: 211 A / 55 kW, HD: 180 A / 45 kW, IP20, max. output freq. 590 Hz	9,965.00	4549734959438
684710	Q2A-A2257-AAA	Inverter Q2A, 200 V, ND: 257 A / 75 kW, HD: 215 A / 55 kW, IP20, max. output freq. 590 Hz	10,600.00	4549734959445
684711	Q2A-A2313-AAA	Inverter Q2A, 200 V, ND: 313 A / 90 kW, HD: 283 A / 75 kW, IP20, max. output freq. 590 Hz	19,140.00	4549734959452
684696	Q2A-A2360-AAA	Inverter Q2A, 200 V, ND: 360 A / 110 kW, HD: 346 A / 90 kW, IP20, max. output freq. 590 Hz	21,570.00	4549734959308
684697	Q2A-A2415-AAA	Inverter Q2A, 200 V, HD: 415 A / 110 kW, IP20, max. output freq. 590 Hz	24,770.00	4549734959315
681122	Q2A-A4002-AAA	Inverter Q2A, 400 V, ND: 2.1 A / 0.75 kW, HD: 1.8 A / 0.55 kW, IP20, max. output freq. 590 Hz	815.50	4549734944120
681131	Q2A-A4004-AAA	Inverter Q2A, 400 V, ND: 4.1 A / 1.50 kW, HD: 3.4 A / 0.75 kW, IP20, max. output freq. 590 Hz	915.00	4549734944212
681133	Q2A-A4005-AAA	Inverter Q2A, 400 V, ND: 5.4 A / 2.20 kW, HD: 4.8 A / 1.50 kW, IP20, max. output freq. 590 Hz	1,019.00	4549734944236
681128	Q2A-A4007-AAA	Inverter Q2A, 400 V, ND: 7.1 A / 3.00 kW, HD: 5.5 A / 2.20 kW, IP20, max. output freq. 590 Hz	1,132.00	4549734944182
681117	Q2A-A4009-AAA	Inverter Q2A, 400 V, ND: 8.9 A / 4.00 kW, HD: 7.2 A / 3.00 kW, IP20, max. output freq. 590 Hz	1,244.00	4549734944076
681123	Q2A-A4012-AAA	Inverter Q2A, 400 V, ND: 11.9 A / 5.5 kW, HD: 9.2 A / 3.70 kW, IP20, max. output freq. 590 Hz	1,334.00	4549734944137
681116	Q2A-A4018-AAA	Inverter Q2A, 400 V, ND: 17.5 A / 7.5 kW, HD: 14.8 A / 5.5 kW, IP20, max. output freq. 590 Hz	1,645.00	4549734944069
681124	Q2A-A4023-AAA	Inverter Q2A, 400 V, ND: 23.4 A / 11 kW, HD: 18 A / 7.5 kW, IP20, max. output freq. 590 Hz	1,956.00	4549734944154
681125	Q2A-A4031-AAA	Inverter Q2A, 400 V, ND: 31 A / 15 kW, HD: 24 A / 11 kW, IP20, max. output freq. 590 Hz	2,327.00	4549734944111
681126	Q2A-A4038-AAA	Inverter Q2A, 400 V, ND: 38 A / 18.5 kW, HD: 31 A / 15 kW, IP20, max. output freq. 590 Hz	2,996.00	4549734944168
681127	Q2A-A4044-AAA	Inverter Q2A, 400 V, ND: 44 A / 22 kW, HD: 39 A / 18.5 kW, IP20, max. output freq. 590 Hz	3,525.00	4549734944175
681120	Q2A-A4060-AAA	Inverter Q2A, 400 V, ND: 59.6 A / 30 kW, HD: 45 A / 22 kW, IP20, max. output freq. 590 Hz	4,180.00	4549734944106
681118	Q2A-A4075-AAA	Inverter Q2A, 400 V, ND: 74.9 A / 37 kW, HD: 60 A / 30 kW, IP20, max. output freq. 590 Hz	4,785.00	4549734944083
681121	Q2A-A4089-AAA	Inverter Q2A, 400 V, ND: 89.2 A / 45 kW, HD: 75 A / 37 kW, IP20, max. output freq. 590 Hz	5,885.00	4549734944113
681115	Q2A-A4103-AAA	Inverter Q2A, 400 V, ND: 103 A / 55 kW, HD: 91 A / 45 kW, IP20, max. output freq. 590 Hz	6,275.00	4549734944052
681132	Q2A-A4140-AAA	Inverter Q2A, 400 V, ND: 140 A / 75 kW, HD: 112 A / 55 kW, IP20, max. output freq. 590 Hz	7,405.00	4549734944229
681129	Q2A-A4168-AAA	Inverter Q2A, 400 V, ND: 168 A / 90 kW, HD: 150 A / 75 kW, IP20, max. output freq. 590 Hz	8,935.00	4549734944199
681130	Q2A-A4208-AAA	Inverter Q2A, 400 V, ND: 208 A / 110 kW, HD: 180 A / 90 kW, IP20, max. output freq. 590 Hz	10,950.00	4549734944205
681114	Q2A-A4250-AAA	Inverter Q2A, 400 V, ND: 250 A / 132 kW, HD: 216 A / 110 kW, IP20, max. output freq. 590 Hz	11,600.00	4549734944045
681119	Q2A-A4296-AAA	Inverter Q2A, 400 V, ND: 296 A / 160 kW, HD: 260 A / 132 kW, IP20, max. output freq. 590 Hz	14,490.00	4549734944090

Short item number	Order code	Description	Price EUR	GTIN
262489	PG-B3	Open collector PG interface for A1000 and Q2A inverters. A, B, Z pulse, fmax 50 kHz	147.70	4547648863605
256633	PG-X3	Line Driver PG interface for A1000 and Q2A inverters. A, B, Z differential (RS422) input, fmax 300 kHz	147.70	4547648862806
682622	Q2-FIA4010-SE	Q2A footprint RFI filter, 10 A, 3~ 400 VAC, for 4002, 4004, 4005, 4007 models	185.60	4549734949200
682631	Q2-FIA4020-SE	Q2A footprint RFI filter, 20 A, 3~ 400 VAC, for 4009, 4012 models	220.30	4549734949293
682630	Q2-FIA4035-SE	Q2A footprint RFI filter, 35 A, 3~ 400 VAC, for 4018, 4023 models	258.60	4549734949286
682629	Q2-FIA4050-SE	Q2A footprint RFI filter, 50 A, 3~ 400 VAC, for 4031, 4038 models	409.20	4549734949279
682626	Q2-FIA4170-SE	Q2A Book end style RFI filter, 170 A, 3~ 400 VAC, for 4103, 4140, 4168 models	1,006.00	4549734949248
682625	Q2-FIA4410-SE	Q2A Busbar termination RFI filter, 410 A, 3~ 400 VAC, for 4208, 4250, 4296, 4371, 4389 models / For 4675 model, 2 units are needed	1,096.00	4549734949231
682624	Q2-FIA4600-SE	Q2A Busbar termination RFI filter, 600 A, 3~ 400 VAC, for 4453, 5468 models	1,199.00	4549734949224

## Driving quality - Q2V Compact Drive



Short item number	Order code	Description	Price EUR	GTIN
246710	A1000-FIV1010-SE	Q2V/V1000/J1000 footprint RFI filter, 10A, 200 VAC, single phase, for 0.12 to 0.55KW drives	24.85	4547648855013
246711	A1000-FIV1020-SE	Q2V/V1000/J1000 footprint RFI filter, 20A, 200 VAC, single phase, for 1.1 to 1.5KW drives	36.14	4547648855020
386160	A1000-FIV1020-SE-LL	Q2V/V1000/J1000 Low Leakage Current footprint RFI filter, 20A, 200 VAC, single phase, for 1.1 to 1.5KW drives	41.44	4547648975339
246712	A1000-FIV1030-SE	Q2V/V1000 footprint RFI filter, 30A, 200 VAC, single phase, for 2.2KW drives	46.94	4547648855037
246713	A1000-FIV1040-SE	Q2V/V1000 footprint RFI filter, 40A, 200 VAC, single phase, for 4.0KW drives	70.65	4547648855044
385715	A1000-FIV2010-SE-V1	Q2V/V1000 footprint RFI filter, 10A, 200 VAC, three phase, for up 1.1KW drives	91.30	4547648974936
246714	A1000-FIV3005-SE	Q2V/V1000/J1000 footprint RFI filter, 5A, 400 VAC, three phase, for 0.37 to 0.55KW drives	55.25	4547648855112
246715	A1000-FIV3010-SE	Q2V/V1000/J1000 footprint RFI filter, 10A, 400 VAC, three phase, for 1.1 to 3.0KW drives	65.40	4547648855129
246716	A1000-FIV3020-SE	Q2V/V1000/J1000 footprint RFI filter, 20A, 400 VAC, three phase, 4.0KW drives	77.50	4547648855136
386168	A1000-FIV3020-SE-LL	Q2V/V1000/J1000 Low Leakage Current footprint RFI filter, 20A, 400 VAC, three phase, 4.0KW drives	86.10	4547648975414
386169	A1000-FIV3030-SE-LL	Q2V/V1000 Low Leakage Current footprint RFI filter, 30A, 400 VAC, three phase, 5,5kW and 7,5kW drives	100.90	4547648975421
385718	A1000-FIV3030-SE-V1	Q2V/V1000 footprint RFI filter, 30A, 400 VAC, three phase, 5,5kW and 7,5kW drives.	87.10	4547648974967
386170	A1000-FIV3050-SE-LL	Q2V/V1000 Low Leakage Current footprint RFI filter, 50A, 400 VAC, three phase, 11kW and 15kW drives.	213.40	4547648975438





### Born to Drive Machines

Specifically created for your application, the MX2 was developed to harmonise advanced motor and machine control. Thanks to its advanced design and algorithms, the MX2 provides smooth control down to zero speed, plus precise operation for cyclic operations and torque control capability in open loop.

Ratings: 200 V single-phase from 0.1 to 2.2 kW, 200 V three-phase from 0.1 to 15.0 kW, 400 V three-phase from 0.4 to 15.0 kW.

- High starting torque: 200% at 0.5 Hz
- Torque control in open loop vector
- Double rating VT 120%/1 min and CT 150%/1 min
- IM & PM motor control
- Safety conforming to ISO13849-1 Category
- 3 performance level PLD
- Built-in Logic programming
- Positioning functionality
- Integrated at Omron machine Automation solution
- Fieldbus communications: EtherCAT, Modbus, DeviceNet, Profibus, CompoNet, MECHATROLINK-II and EtherNet/IP

Short item number	Order code	Description	Price EUR	GTIN
379063	3G3MX2-A2002-E	MX inverter drive, 0.2/0.4 kW (HD/ND), 1.6/1.9 A (HD/ND), 200 VAC, 3~ input, sensorless vector, max. output freq. 580Hz	246.20	4548583484153
379064	3G3MX2-A2004-E	MX inverter drive, 0.4/0.55 kW (HD/ND), 3.0/3.5 A (HD/ND), 200 VAC, 3~ input, sensorless vector, max. output freq. 580Hz	261.00	4548583484160
379065	3G3MX2-A2007-E	MX inverter drive, 0.75/1.1 kW (HD/ND), 5.0/6.0 A (HD/ND), 200 VAC, 3~ input, sensorless vector, max. output freq. 580Hz	348.00	4548583484177
379066	3G3MX2-A2015-E	MX inverter drive, 1.5/2.2 kW (HD/ND), 8.0/9.6 A (HD/ND), 200 VAC, 3~ input, sensorless vector, max. output freq. 580Hz	337.70	4548583484184
379067	3G3MX2-A2022-E	MX inverter drive, 2.2/3.0 kW (HD/ND), 11.0/12.0 A (HD/ND), 200 VAC, 3~ input, sensorless vector, max. output freq. 580Hz	381.90	4548583484191
379068	3G3MX2-A2037-E	MX inverter drive, 3.7/5.5 kW (HD/ND), 17.5/19.6 A (HD/ND), 200 VAC, 3~ input, sensorless vector, max. output freq. 580Hz	440.60	4548583484207
379069	3G3MX2-A2055-E	MX inverter drive, 5.5/7.5 kW (HD/ND), 25/30 A (HD/ND), 200 VAC, 3~ input, sensorless vector, max. output freq. 580Hz	1,048.00	4548583484214
379070	3G3MX2-A2075-E	MX inverter drive, 7.5/11.0 kW (HD/ND), 33/40 A (HD/ND), 200 VAC, 3~ input, sensorless vector, max. output freq. 580Hz	1,215.00	4548583484221
379071	3G3MX2-A2110-E	MX inverter drive, 11/15 kW (HD/ND), 47/56 A (HD/ND), 200 VAC, 3~ input, sensorless vector, max. output freq. 580Hz	1,739.00	4548583484238
379072	3G3MX2-A2150-E	MX inverter drive, 15/18.5 kW (HD/ND), 60/69 A (HD/ND), 200 VAC, 3~ input, sensorless vector, max. output freq. 580Hz	2,248.00	4548583484245
379073	3G3MX2-A4004-E	MX inverter drive, 0.4/0.75 kW (HD/ND), 1.8/2.1 A (HD/ND), 400 VAC, 3~, sensorless vector, max. output freq. 580Hz	540.50	4548583484252
378477	3G3MX2-A4007-E	MX inverter drive, 0.75/1.5 kW (HD/ND), 3.4/4.1 A (HD/ND), 400 VAC, 3~, sensorless vector, max. output freq. 580Hz	605.50	4548583484276
379076	3G3MX2-A4015-E	MX inverter drive, 1.5/2.2 kW (HD/ND), 4.8/5.4 A (HD/ND), 400 VAC, 3~, sensorless vector, max. output freq. 580Hz	680.50	4548583484290
379078	3G3MX2-A4022-E	MX inverter drive, 2.2/3.0 kW (HD/ND), 5.5/6.9 A (HD/ND), 400 VAC, 3~, sensorless vector, max. output freq. 580Hz	761.50	4548583484313
379080	3G3MX2-A4030-E	MX inverter drive, 3.0/4.0 kW (HD/ND), 7.2/8.8 A (HD/ND), 400 VAC, 3~, sensorless vector, max. output freq. 580Hz	787.50	4548583484337
377397	3G3MX2-A4030-P-E	3G3MX2 inverter drive, 3.0/4.0 kW (HD/ND), 7.2/8.8 A (HD/ND), 400 VAC, 3~, sensorless vector, w/o heatsink, max. output freq. 580Hz	707.00	4548583442801
379082	3G3MX2-A4040-E	MX inverter drive, 4.0/5.5 kW (HD/ND), 9.2/11.1 A (HD/ND), 400 VAC, 3~, sensorless vector, max. output freq. 580Hz	951.00	4548583484351
379084	3G3MX2-A4055-E	MX inverter drive, 5.5/7.5 kW (HD/ND), 14.8/17.5 A (HD/ND), 400 VAC, 3~, sensorless vector, max. output freq. 580Hz	1,221.00	4548583484375
379085	3G3MX2-A4075-E	MX inverter drive, 7.5/11.0 kW (HD/ND), 18/23 A (HD/ND), 400 VAC, 3~, sensorless vector, max. output freq. 580Hz	1,385.00	4548583484382
378478	3G3MX2-A4110-E	MX inverter drive, 11/15 kW (HD/ND), 24/31 A (HD/ND), 400 VAC, 3~, sensorless vector, max. output freq. 580Hz	1,531.00	4548583484399
379086	3G3MX2-A4150-E	MX inverter drive, 15/18.5 kW (HD/ND), 31/38 A (HD/ND), 400 VAC, 3~, sensorless vector, max. output freq. 580Hz	1,995.00	4548583484405
379087	3G3MX2-AB001-E	MX inverter drive, 0.1/0.2 kW (HD/ND), 1.0/1.2 A (HD/ND), 200 VAC, 1~ input, sensorless vector, max. output freq. 580Hz	304.40	4548583484412
379089	3G3MX2-AB002-E	MX inverter drive, 0.2/0.4 kW (HD/ND), 1.6/1.9 A (HD/ND), 200 VAC, 1~ input, sensorless vector, max. output freq. 580Hz	313.80	4548583484436
379091	3G3MX2-AB004-E	MX inverter drive, 0.4/0.55 kW (HD/ND), 3.0/3.5 A (HD/ND), 200 VAC, 1~ input, sensorless vector, max. output freq. 580Hz	325.40	4548583484450
379093	3G3MX2-AB007-E	MX inverter drive, 0.75/1.1 kW (HD/ND), 5.0/6.0 A (HD/ND), 200 VAC, 1~ input, sensorless vector, max. output freq. 580Hz	387.70	4548583484474
379095	3G3MX2-AB015-E	MX inverter drive, 1.5/2.2 kW (HD/ND), 8.0/9.6 A (HD/ND), 200 VAC, 1~ input, sensorless vector, max. output freq. 580Hz	458.80	4548583484498



Short item number	Order code	Description	Price EUR	GTIN
379097	3G3MX2-AB022-E	MX inverter drive, 2.2/3.0 kW (HD/ND), 11.0/12.0 A (HD/ND), 200 VAC, 1~ input, sensorless vector, max. output freq. 580Hz	534.00	4548583484511
377377	3G3MX2-AB022-P-E	3G3MX2 inverter drive, 2.2/3.0 kW (HD/ND), 11.0/12.0 A (HD/ND), 200 VAC, 1~ input, sensorless vector, w/o heatsink, max. output freq. 580Hz	526.00	4548583379701

Short item number	Order code	Description	Price EUR	GTIN
329711	3G3AX-MX2-DRT-E	DeviceNet option card for MX2 inverter	162.40	4547648767903
343139	3G3AX-MX2-ECT	MX2 EtherCAT option card	395.20	4547648834803
374112	3G3AX-MX2-EIO15-E	Extra I/O option board, 1 analog voltage input, 1 analog current input, 1 analog voltage output, 8 discrete logic inputs, 4 discrete logic outputs	129.00	4548583372382
327340	3G3AX-MX2-PRT-E	MX2 option card, PROFIBUS DP	239.60	4547648767897
241953	A1000-CAVPC232-EE	Connecting cable, RS-232C, from 3G3JV/MV(V7)/E7/F7/V1000 to PC, (equivalent to 3G3IV-PCN329-E), 3 m	15.80	4547648850759
386171	AX-FIM1010-SE-LL	Accessory inverter MX2 EMC filter	28.39	4547648975445
354492	AX-FIM1010-SE-V1	MX footprint RFI filter, 10A, 200VAC, single phase	25.31	4547648905985
386172	AX-FIM1014-SE-LL	Accessory inverter MX2 EMC filter	40.30	4547648975452
392486	AX-FIM1014-SE-V1	MX footprint RFI filter, 14 A, 1~ 200 VAC, for 0.75 kW models	37.47	4547648980463
386173	AX-FIM1024-SE-LL	Accessory inverter MX2 EMC filter	44.06	4547648975469
354493	AX-FIM1024-SE-V1	MX footprint RFI filter, 24A, 200VAC, single phase, for 1.5 to 2.2KW models	41.75	4547648905992
386177	AX-FIM3005-SE-LL	Accessory inverter MX2 EMC filter	62.15	4547648975506
354500	AX-FIM3005-SE-V1	MX footprint RFI filter, 5A, 400VAC, three phase, for 0.37 to 1.1KW models	64.05	4547648906067
386178	AX-FIM3010-SE-LL	Accessory inverter MX2 EMC filter, Low leakage filter	74.65	4547648975513
354501	AX-FIM3010-SE-V1	Accessory inverter MX2 EMC filter	76.85	4547648906074
386179	AX-FIM3014-SE-LL	Accessory inverter MX2 EMC filter	84.05	4547648975520
354502	AX-FIM3014-SE-V1	MX footprint RFI filter, 14A, 400VAC, three phase, 4.0KW models	86.70	4547648906081
386180	AX-FIM3030-SE-LL	Accessory inverter MX2 EMC filter	91.35	4547648975537
354503	AX-FIM3030-SE-V1	MX footprint RFI filter, 30A, 400VAC, three phase, for 5.5 to 7.5KW models	86.70	4547648906098
386181	AX-FIM3050-SE-LL	Accessory inverter MX2 EMC filter	191.70	4547648975544
354504	AX-FIM3050-SE-V1	MX footprint RFI filter, 50A, 400VAC, three phase, for 11 to 15KW models	170.60	4547648906104
138129	EZZ08122A	J1000/J7AZ Din rail mounting bracket, frame size A	16.59	4536853835064
239699	JVOP-181	USB converter unit with copy and backup function	262.90	4536853913854



### High performance vector control

#### Ratings

200 V Class three-phase 0.4 to 110 kW

400 V Class three-phase 0.4 to 630 kW

- Current vector control, with or without PG
- High starting torque (200% / 0.3 Hz, spd range 1:200 OLV), (200% at 0 r/min, spd range 1:1500 CLV)
- Double rating ND 120%/1min and HD 150%/1 min
- Advanced Auto-Tuning for IM & PM Motors
- Open Loop Control of PM Motors
- Low-noise Low carrier technology
- 10 years lifetime design
- Screw-less terminals
- Control Terminals with memory backup
- 24 VDC control board power supply option
- Fieldbus communications: Modbus, Profibus, CANopen, DeviceNet, ML-II, PROFINET, EtherCAT and EtherNet/IP
- Safety embedded: EN954-1 safety cat. 3, stop category 0, IEC EN 61508 SIL 2 and EN61800-5-1 with EDM
- Regenerative solutions as option
- CE, UL, cUL and TUV

Short item number	Order code	Description	Price EUR	GTIN
324899	CIMR-AC4A0002FAA	A1000 inverter: 3~ 400 V, HD: 0.55 kW 1.8 A, ND: 0.75 kW 2.1 A, max. output freq. 400Hz	773.00	4547648877268
324900	CIMR-AC4A0004FAA	A1000 inverter: 3~ 400 V, HD: 0.75 kW 3.4 A, ND: 1.5 kW 4.1 A, max. output freq. 400Hz	985.00	4547648877275
324901	CIMR-AC4A0005FAA	A1000 inverter: 3~ 400 V, HD: 1.5 kW 4.8 A, ND: 2.2 kW 5.4 A, max. output freq. 400Hz	1,104.00	4547648877282
324902	CIMR-AC4A0007FAA	A1000 inverter: 3~ 400 V, HD: 2.2 kW 5.5 A, ND: 3.0 kW 6.9 A, max. output freq. 400Hz	1,244.00	4547648877299
332487	CIMR-AC4A0009FAA	A1000 inverter: 3~ 400 V, HD: 3 kW 7.2 A, ND: 4 kW 8.8 A, max. output freq. 400Hz	1,324.00	4547648883474
324903	CIMR-AC4A0011FAA	A1000 inverter: 3~ 400 V, HD: 4 kW 9.2 A, ND: 5.5 kW 11.1 A, max. output freq. 400Hz	1,378.00	4547648877305
324904	CIMR-AC4A0018FAA	A1000 inverter: 3~ 400 V, HD: 5.5 kW 14.8 A, ND: 7.5 kW 17.5 A, max. output freq. 400Hz	1,684.00	4547648877312
301573	CIMR-AC4A0023FAA	A1000 inverter: 3~ 400 V, HD: 7.5 kW 18 A, ND: 11 kW 23 A, max. output freq. 400Hz	2,114.00	4547648870047
301574	CIMR-AC4A0031FAA	A1000 inverter: 3~ 400 V, HD: 11 kW 24 A, ND: 15 kW 31 A, max. output freq. 400Hz	2,256.00	4547648870054
301575	CIMR-AC4A0038FAA	A1000 inverter: 3~ 400 V, HD: 15 kW 31 A, ND: 18.5 kW 38 A, max. output freq. 400Hz	2,732.00	4547648870061
301576	CIMR-AC4A0044FAA	A1000 inverter: 3~ 400 V, HD: 18.5 kW 39 A, ND: 22 kW 44 A, max. output freq. 400Hz	4,416.00	4547648870078
324905	CIMR-AC4A0058AAA	A1000 inverter: 3~ 400 V, HD: 22 kW 45 A, ND: 30 kW 58 A, max. output freq. 400Hz	4,381.00	4547648877329
324906	CIMR-AC4A0072AAA	A1000 inverter: 3~ 400 V, HD: 30 kW 60 A, ND: 37 kW 72 A, max. output freq. 400Hz	4,938.00	4547648877336
324907	CIMR-AC4A0088AAA	A1000 inverter: 3~ 400 V, HD: 37 kW 75 A, ND: 45 kW 88 A, max. output freq. 400Hz	5,740.00	4547648877343
324908	CIMR-AC4A0103AAA	A1000 inverter: 3~ 400 V, HD: 45 kW 91 A, ND: 55 kW 103 A, max. output freq. 400Hz	6,805.00	4547648877350
324909	CIMR-AC4A0139AAA	A1000 inverter: 3~ 400 V, HD: 55 kW 112 A, ND: 75 kW 139 A, max. output freq. 400Hz	7,430.00	4547648877367
324910	CIMR-AC4A0165AAA	A1000 inverter: 3~ 400 V, HD: 75 kW 150 A, ND: 90 kW 165 A, max. output freq. 400Hz	9,555.00	4547648877374
355206	CIMR-AC4A0208AAA	A1000 inverter: 3~ 400 V, HD: 90 kW 180 A, ND: 110 kW 208 A, max. output freq. 400Hz	12,380.00	4547648909655
355207	CIMR-AC4A0250AAA	A1000 inverter: 3~ 400 V, HD: 110 kW 216 A, ND: 132 kW 250 A, max. output freq. 400Hz	13,780.00	4547648909662
355208	CIMR-AC4A0296AAA	A1000 inverter: 3~ 400 V, HD: 132 kW 296 A, ND: 160 kW 304 A, max. output freq. 400Hz	16,470.00	4547648909679
355209	CIMR-AC4A0362AAA	A1000 inverter: 3~ 400 V, HD: 160 kW 304 A, ND: 185 kW 362 A, max. output freq. 400Hz	21,200.00	4547648909686

Short item number	Order code	Description	Price EUR	GTIN
679458	A1000-FIA3024-SE	A1000 footprint RFI filter, 24 A, 3~ 200 VAC: 2A0004 - 2A0021, 3~ 400 VAC: 4A0002 - 4A0023	98.35	4549734932608
679456	A1000-FIA3044-SE	A1000 footprint RFI filter, 44 A, 3~ 400 VAC: 4A0031 - 4A0038	199.80	4549734932585
679457	A1000-FIA3052-SE	A1000 footprint RFI filter, 52 A, 3~ 400 VAC: 4A0044	246.70	4549734932592
328911	A1000-FIA3071-RE	A1000 footprint RFI filter, 71 A, 3~ 400 VAC: 4A0058 - 4A0088	347.30	4547648880367
328912	A1000-FIA3105-RE	A1000 footprint RFI filter, 105 A, 3~ 400 VAC: 4A0088 - 4A0139	436.70	4547648880374
328913	A1000-FIA3170-RE	A1000 footprint RFI filter, 170 A, 3~ 400 VAC: 4A0139 - 4A0208	873.50	4547648880381
328914	A1000-FIA3300-RE	A1000 footprint RFI filter, 300 A, 3~ 400 VAC: 4A0208 - 4A0362	1,406.00	4547648880398



### More performance & Quality in less space

- Current vector control
- High starting torque (200% / 0.5 Hz)
- 1:100 speed control range
- Double rating ND 120%/1min and HD 150%/1 min
- IM&PM motor control
- Online Tuning
- Low-noise Low carrier technology
- 10 years lifetime design
- Built-in filter
- Screw-less terminals
- Control Terminals with memory backup
- Fieldbus communications: Modbus, Profibus, CANopen, DeviceNet, LONworks, CompoNet, Ethernet, ML-II, PROFINET and EtherCAT
- Safety embedded: EN954-1 safety cat. 3, EN6158 SIL II and EN60204-1 Stop category 0
- CE, UL, cUL and TUV

Short item number	Order code	Description	Price EUR	GTIN
352360	CIMR-VC4A0009JAB	V1000 Finless type Inverter, IP20, 3/4KW(HD/ND), 7.2/8.8A(HD/ND), 3~400VAC, sensorless vector, LED operator., max. output freq. 400Hz	1,324.00	4547648895903
234267	VZA20P4BAA	V1000 inverter, 3~ 200 VAC, 0.55 kW, 3.0 A, sensorless vector, max. output freq. 400Hz	540.50	4547648389044
234268	VZA20P7BAA	V1000 inverter, 3~ 200 VAC, 1.1 kW, 5.0 A, sensorless vector, max. output freq. 400Hz	626.50	4547648389051
234269	VZA21P5BAA	V1000 inverter, 3~ 200 VAC, 1.5 kW, 8.0 A, sensorless vector, max. output freq. 400Hz	759.50	4547648389068
234270	VZA22P2BAA	V1000 inverter, 3~ 200 VAC, 2.2 W, 11 A, sensorless vector, max. output freq. 400Hz	849.50	4547648389075
234271	VZA24P0BAA	V1000 inverter, 3~ 200 VAC, 4 W, 17.5 A, sensorless vector, max. output freq. 400Hz	925.00	4547648389082
352963	VZA25P5FAA	V1000 inverter, 3~ 200 VAC, 5.5 kW, 25 A, sensorless vector, max. output freq. 400Hz	1,725.00	4547648898157
352964	VZA27P5FAA	V1000 inverter, 3~ 200 VAC, 7.5 kW, 33 A, sensorless vector, max. output freq. 400Hz	1,734.00	4547648898164
240694	VZA4011FAA	V1000 inverter, 3~ 400 VAC, 11 kW, 24 A, sensorless vector, max. output freq. 400Hz	1,920.00	4547648463812
240695	VZA4015FAA	V1000 inverter, 3~ 400 VAC, 15 kW, 31 A, sensorless vector, max. output freq. 400Hz	2,456.00	4547648463829
234251	VZA40P2BAA	V1000 inverter, 3~ 400 VAC, 0.37 kW, 1.2 A, sensorless vector, max. output freq. 400Hz	594.00	4547648388887
234252	VZA40P4BAA	V1000 inverter, 3~ 400 VAC, 0.55 kW, 1.8 A, sensorless vector, max. output freq. 400Hz	663.00	4547648388894
234253	VZA40P7BAA	V1000 inverter, 3~ 400 VAC, 1.1 kW, 3.4 A, sensorless vector, max. output freq. 400Hz	749.50	4547648388900
234254	VZA41P5BAA	V1000 inverter, 3~ 400 VAC, 1.5 kW, 4.8 A, sensorless vector, max. output freq. 400Hz	836.00	4547648388917
234255	VZA42P2BAA	V1000 inverter, 3~ 400 VAC, 2.2 kW, 5.5 A, sensorless vector, max. output freq. 400Hz	935.00	4547648388924
234256	VZA43P0BAA	V1000 inverter, 3~ 400 VAC, 3.0 kW, 7.2 A, sensorless vector, max. output freq. 400Hz	1,042.00	4547648388931
234257	VZA44P0BAA	V1000 inverter, 3~ 400 VAC, 4.0 kW, 9.2 A, sensorless vector, max. output freq. 400Hz	1,168.00	4547648388948
240692	VZA45P5FAA	V1000 inverter, 3~ 400 VAC, 5.5 kW, 14.8 A, sensorless vector, max. output freq. 400Hz	1,503.00	4547648463799
240693	VZA47P5FAA	V1000 inverter, 3~ 400 VAC, 7.5 kW, 18 A, sensorless vector, max. output freq. 400Hz	1,703.00	4547648463805
234258	VZAB0P1BAA	V1000 inverter, 1~ 200 VAC, 0.12 kW, 0.8 A, sensorless vector, max. output freq. 400Hz	414.90	4547648388955
234259	VZAB0P2BAA	V1000 inverter, 1~ 200 VAC, 0.25 kW, 1.6 A, sensorless vector, max. output freq. 400Hz	424.20	4547648388962
234260	VZAB0P4BAA	V1000 inverter, 1~ 200 VAC, 0.55 kW, 3.0 A, sensorless vector, max. output freq. 400Hz	444.30	4547648388979
234261	VZAB0P7BAA	V1000 inverter, 1~ 200 VAC, 1.1 kW, 5.0 A, sensorless vector, max. output freq. 400Hz	527.50	4547648388986
234262	VZAB1P5BAA	V1000 inverter, 1~ 200 VAC, 1.5 kW, 8.0 A, sensorless vector, max. output freq. 400Hz	620.00	4547648388993
234263	VZAB2P2BAA	V1000 inverter, 1~ 200 VAC, 2.2 kW, 11.0 A, sensorless vector, max. output freq. 400Hz	723.00	4547648389006
234264	VZAB4P0BAA	V1000 inverter, 1~ 200 VAC, 4.0 kW, 17.5 A, sensorless vector, max. output freq. 400Hz	822.50	4547648389013

Short item number	Order code	Description	Price EUR	GTIN
241589	JVOP-180	LCD remote operator	142.50	4547648851626
240837	PS-V10S	24VDC control board power supply VZA-B/2/4 from 0.1 to 4 KW	238.60	4547648850049
264659	SI-EN3/V	EtherNet/IP option board for V1000 inverter	440.60	4547648864237
373020	SI-EP3/V	V1000 option card - PROFINET	511.50	4547648949859
241427	SI-N3/V	DeviceNet option board for V1000 inverter	212.00	4547648850384
240836	SI-P3/V	PROFIBUS DP option board for V1000 inverter	341.80	4547648850032
240835	SI-S3/V	CANopen option board for V1000 inverter	259.50	4547648850025



**The basic inverter**

The new J1000 inverter has been designed to become the basic inverter in applications like conveyors, fans and pumps with small power ratings. It's so easy to install, set-up, operate run but at same time covering all the needs for such a kinds of applications.

- V/F controlled inverter
- Good torque performance (150% / 3 Hz)
- Double rating ND 120%/1min and HD 150%/1 min
- Overload detection function (150% during 60s)
- Optional RS-232C/485 communication - Modbus
- Programming software: CX-drive for parameter configuration

Short item number	Order code	Description	Price EUR	GTIN
246653	JZA20P4BAA	Inverter drive, 0.55kW, 3.0A, 200 VAC, 3-phase, max. output freq. 400Hz	297.50	4547648550673
246654	JZA20P7BAA	Inverter drive, 1.1kW, 5.0A, 200 VAC, 3-phase, max. output freq. 400Hz	348.50	4547648550680
246656	JZA22P2BAA	Inverter drive, 2.2kW, 11.0A, 200 VAC, 3-phase, max. output freq. 400Hz	450.90	4547648550703
246658	JZA40P2BAA	Inverter drive, 0.37kW, 1.2A, 415 VAC, 3-phase, max. output freq. 400Hz	477.90	4547648550727
246659	JZA40P4BAA	Inverter drive, 0.55kW, 1.8A, 415 VAC, 3-phase, max. output freq. 400Hz	487.20	4547648550734
246660	JZA40P7BAA	Inverter drive, 1.1kW, 3.4A, 415 VAC, 3-phase, max. output freq. 400Hz	560.50	4547648550741
246661	JZA41P5BAA	Inverter drive, 1.5kW, 4.8A, 415 VAC, 3-phase, max. output freq. 400Hz	660.00	4547648550758
246662	JZA42P2BAA	Inverter drive, 2.2kW, 5.5A, 415 VAC, 3-phase, max. output freq. 400Hz	784.00	4547648550765
246663	JZA43P0BAA	Inverter drive, 3.0kW, 7.2A, 415 VAC, 3-phase, max. output freq. 400Hz	836.00	4547648550772
246664	JZA44P0BAA	Inverter drive, 4.0kW, 9.2A, 415 VAC, 3-phase, max. output freq. 400Hz	951.50	4547648550789
246647	JZAB0P2BAA	Inverter drive, 0.25kW, 1.6A, 240 VAC, single-phase, max. output freq. 400Hz	270.90	4547648550611
246648	JZAB0P4BAA	Inverter drive, 0.55kW, 3A, 240 VAC, single-phase, max. output freq. 400Hz	301.30	4547648550628
246649	JZAB0P7BAA	Inverter drive, 1.1kW, 5A, 240 VAC, single-phase, max. output freq. 400Hz	364.80	4547648550635
246650	JZAB1P5BAA	Inverter drive, 1.5kW, 8A, 240 VAC, single-phase, max. output freq. 400Hz	487.20	4547648550642

Short item number	Order code	Description	Price EUR	GTIN
252658	JVOP-182	LED remote operator	68.30	4547648861502
249034	SI-232/J	RS-232C comms interface for use with LED operator JVOP-182	88.75	4547648856799
249035	SI-232/JC	RS-232C communications card for CIMR-J1000 inverter	83.80	4547648856805
251861	SI-485/J	RS-422/485 communications card for CIMR-J1000 inverter	69.55	4547648860802

### Customised to your machine

Omron realises that you need quality and reliability, plus the ability to easily and quickly customise your inverter to the application in hand. And with the RX, you have the perfect tool for the job. Naturally it combines the same high level of quality and performance for which Omron is renowned. It also has abundant application functionality on board and you can customise it yourself to match your precise requirements.

- Ratings up to 132 kW Full torque at 0 Hz in closed loop Sensor-less and vector closed-loop control Built-in EMC filter, logic programming and application functionality Field-bus communications: Modbus, DeviceNet, PROFIBUS, MECHATROLINK-II, EtherCAT and CompoNet Regenerative solutions as option CE, cULus, RoHS



Short item number	Order code	Description	Price EUR	GTIN
335480	3G3AX-OP01	LED remote operator panel, cable length max. 3m	79.55	4547648489751
357795	3G3AX-OP03	LED remote operator panel	246.20	4548583121751
376184	3G3AX-OP05	5 line LCD digital operator with copy function	313.40	4548583096110
372905	3G3AX-OP05-B-E	Blind cover to be used in combination with communication option boards	6.60	4547648949590
356399	3G3AX-OP05-H-E	3G3 RX option, holder for LCD operator	54.05	4548583059078
315471	3G3AX-PG01	Encoder feedback card, differential and pulse inputs, pulse monitor output, 100kHz max.	195.60	4547648489737
355919	3G3AX-RX-DRT-E	DeviceNet option card for RX inverter	255.80	4548583059092
371931	3G3AX-RX-ECT	RX series EtherCAT option card	527.50	4548583344297
355918	3G3AX-RX-PRT-E	3G3RX option, PROFIBUS DP communication card	348.50	4548583059085
283812	AX-FIR3010-RE	RX footprint RFI filter, 10 A, 3~ 400 VAC, for 0.4-4.0 kW models	85.40	4547648865975
283813	AX-FIR3030-RE	RX footprint RFI filter, 30 A, 3~ 400 VAC, for 5.5-11 kW models	104.70	4547648865982
283814	AX-FIR3053-RE	RX footprint RFI filter, 53 A, 3~ 400 VAC, for 15-22 kW models	201.20	4547648865999
283815	AX-FIR3064-RE	RX footprint RFI filter, 64 A, 3~ 400 VAC, for 30 kW models	288.90	4547648866002
283816	AX-FIR3100-RE	RX footprint RFI filter, 100 A, 3~ 400 VAC, for 37 kW models	347.70	4547648866019
283817	AX-FIR3130-RE	RX footprint RFI filter, 130 A, 3~ 400 VAC, for 45-55 kW models	405.40	4547648866026
315586	AX-FIR3250-RE	RX footprint RFI filter, 250 A, 3~ 400 VAC, for 75-90 kW models	923.00	4547648871228

Short item number	Order code	Description	Price EUR	GTIN
410015	3G3MX2-A4004-E-ECT	MX inverter drive, 0.4/0.75 kW (HD/ND), 1.8/2.1 A (HD/ND), 400 VAC, 3~, sensorless vector + MX2 EtherCAT option card, max. output freq. 580Hz	651.00	4547648994422
410017	3G3MX2-A4007-E-ECT	MX inverter drive, 0.75/1.5 kW (HD/ND), 3.4/4.1 A (HD/ND), 400 VAC, 3~, sensorless vector + MX2 EtherCAT option card, max. output freq. 580Hz	668.50	4547648994446
410019	3G3MX2-A4015-E-ECT	MX inverter drive, 1.5/2.2 kW (HD/ND), 4.8/5.4 A (HD/ND), 400 VAC, 3~, sensorless vector + MX2 EtherCAT option card, max. output freq. 580Hz	732.00	4547648994460
410021	3G3MX2-A4022-E-ECT	MX inverter drive, 2.2/3.0 kW (HD/ND), 5.5/6.9 A (HD/ND), 400 VAC, 3~, sensorless vector + MX2 EtherCAT option card, max. output freq. 580Hz	781.00	4547648994484
410023	3G3MX2-A4030-E-ECT	MX inverter drive, 3.0/4.0 kW (HD/ND), 7.2/8.8 A (HD/ND), 400 VAC, 3~, sensorless vector + MX2 EtherCAT option card, max. output freq. 580Hz	844.50	4547648994507
410025	3G3MX2-A4040-E-ECT	MX inverter drive, 4.0/5.5 kW (HD/ND), 9.2/11.1 A (HD/ND), 400 VAC, 3~, sensorless vector + MX2 EtherCAT option card, max. output freq. 580Hz	977.00	4547648994521
670452	3G3MX2-A4055-E-ECT	MX inverter drive, 5.5/7.5 kW (HD/ND), 14.8/17.5 A (HD/ND), 400 VAC, 3-phase, sensorless vector+ MX2 EtherCAT option card, max. output freq. 580Hz	1,060.00	4548583971066
670454	3G3MX2-A4075-E-ECT	MX inverter drive, 7.5/11 kW (HD/ND), 18/23 A (HD/ND), 400 VAC, 3-phase, sensorless vector + MX2 EtherCAT option card, max. output freq. 580Hz	1,158.00	4548583971080
668519	3G3MX2-A4150-E-ECT	MX inverter drive, 15/18.5 kW (HD/ND), 31/38 A (HD/ND), 400 VAC, 3~, sensorless vector + MX2 EtherCAT option card, max. output freq. 580Hz	2,160.00	4548583961838
410027	3G3MX2-AB001-E-ECT	MX inverter drive, 0.1/0.2 kW (HD/ND), 1.0/1.2 A (HD/ND), 200 VAC, 1~ input, sensorless vector + MX2 EtherCAT option card, max. output freq. 580Hz	442.30	4547648994545
410029	3G3MX2-AB002-E-ECT	MX inverter drive, 0.2/0.4 kW (HD/ND), 1.6/1.9 A (HD/ND), 200 VAC, 1~ input, sensorless vector + MX2 EtherCAT option card, max. output freq. 580Hz	442.30	4547648994569
410031	3G3MX2-AB004-E-ECT	MX inverter drive, 0.4/0.55 kW (HD/ND), 3.0/3.5 A (HD/ND), 200 VAC, 1~ input, sensorless vector + MX2 EtherCAT option card, max. output freq. 580Hz	453.20	4547648994583
410033	3G3MX2-AB007-E-ECT	MX inverter drive, 0.75/1.1 kW (HD/ND), 5.0/6.0 A (HD/ND), 200 VAC, 1~ input, sensorless vector + MX2 EtherCAT option card, max. output freq. 580Hz	497.60	4547648994606
410035	3G3MX2-AB015-E-ECT	MX inverter drive, 1.5/2.2 kW (HD/ND), 8.0/9.6 A (HD/ND), 200 VAC, 1~ input, sensorless vector + MX2 EtherCAT option card, max. output freq. 580Hz	527.00	4547648994620
410037	3G3MX2-AB022-E-ECT	MX inverter drive, 2.2/3.0 kW (HD/ND), 11.0/12.0 A (HD/ND), 200 VAC, 1~ input, sensorless vector + MX2 EtherCAT option card, max. output freq. 580Hz	671.00	4547648994644

## Q2A &amp; Q2V accessories

## Frequency inverters

Short item number	Order code	Description	Price EUR	GTIN
324009	3G3AX-CAJOP300-EE	Cable for connecting remote operator,3 m	4.41	4547648873703
322128	AX-CUSBM002-E	Mini USB to USB connector cable	44.43	4547648872188
682628	Q2-FIA4080-SE	Q2A Book end style RFI filter, 80 A, 3~ 400 VAC, for Q2A-A4044/Q2A-A4060/Q2A-A4075/Q2A-A2042/Q2A-A2056/Q2A-A2070/Q2V-A4044/Q2V-A4060 models.	546.00	4549734949262
682627	Q2-FIA4100-SE	Q2A/Q2V Book end style RFI filter, 100 A,3~ 400 VAC, for Q2A-A4089/Q2A-A2082/Q2V-A2082 models	683.50	4549734949255
278325	SI-N3	DeviceNet option board for A1000, Q2A and Q2V inverters.	219.50	4547648864978
274269	SI-P3	PROFIBUS DP option board for A1000, Q2A and Q2V inverters.	383.10	4547648864831

Short item number	Order code	Description	Price EUR	GTIN
250561	A1000-REJ0K15300-IE	Braking Resistor for J1000, 300 Ω	22.73	4547648859820
250560	A1000-REJ0K15400-IE	Braking Resistor for J1000, 400 Ω	23.59	4547648859837
239854	A1000-REV00K4100-IE	Braking Resistor, 100 ohm	38.63	4536853913878
239855	A1000-REV00K5075-IE	Braking Resistor, 75 ohm	40.94	4536853913885
239856	A1000-REV00K6050-IE	Braking Resistor, 50 ohm	56.45	4536853913892
239857	A1000-REV00K9040-IE	Braking Resistor, 40 ohm	94.05	4536853913908
324034	AX-BCR4015045-TE	Braking unit 400 V, permanent 15 A/11 KVA, peak 45 A/33 KVA, 16 ohm min	763.50	4547648873956
324035	AX-BCR4017068-TE	Braking unit 400 V, permanent 17 A/13 KVA, peak 68 A/51 KVA, 11 ohm min	751.50	4547648873963
324036	AX-BCR4035090-TE	Braking unit 400 V, permanent 35 A/26 KVA, peak 90 A/67 KVA, 8.5 ohm min	1,317.00	4547648873970
325091	AX-BCR4090240-TE	Braking unit 400V, permanent 90A/67KVA, Peak 240A/180KVA, 3.2 ohm min	2,522.00	4547648877442
319011	AX-RAI001911150-DE	AC input reactor, 115 A, 0.19 mH, for 45 to 55 kW sizes, 400 VAC, 3 phase	795.50	4547648871570
319005	AX-RAI00740335-DE	AC input reactor, 33.5 A, 0.74 mH, for 11 and 15 kW sizes, 400 VAC, 3 phase	355.00	4547648871525
318999	AX-RAI01300170-DE	AC input reactor, 17 A, 1.3 mH, for 5.5 and 7.5 kW sizes, 400 VAC, 3 phase	285.60	4547648871464
319004	AX-RAI03500100-DE	AC input reactor, 10 A, 3.5 mH, for 2.2, 3.0 and 4.0 kW sizes, 400 VAC, 3 phase	193.10	4547648871518
319003	AX-RAI07700050-DE	AC input reactor, 5 A, 7.7 mH, for 0.4, 0.7 and 1.5 kW sizes, 400 VAC, 3 phase	184.80	4547648871501
319461	AX-RAO02000320-DE	AC output reactor, 32 A, 2 mH, for 15 kW, 400 VAC, 3 phase	505.00	4547648871969
319462	AX-RAO02500220-DE	AC output reactor, 22 A, 2.5 mH, for 11 kW, 400 VAC, 3 phase	460.10	4547648871976
319464	AX-RAO03600160-DE	AC output reactor, 16 A, 3.6 mH, for 7.5 kW, 400 VAC, 3 phase	339.50	4547648871990
319467	AX-RAO07300080-DE	AC output reactor, 8 A, 7.3 mH, for 3.0 and 4.0 kW, 400 VAC, 3 phase	358.80	4547648872027
354528	AX-RAO11800053-DE	AC output reactor, 5.3 A, 11.8 mH, for 2.2 kW, 400 VAC, 3 phase	191.10	4547648906326
319471	AX-RAO16300038-DE	AC output reactor, 3.8 A, 16.3 mH, for 0.4, 0.7 and 1.5 kW, 400 VAC, 3 phase	186.50	4547648872065
324011	AX-REM00K1200-IE	Braking resistor, 200 ohm, 110 W nominal	23.68	4547648873727
324010	AX-REM00K1400-IE	Braking resistor, 400 ohm, 190 W nominal	26.53	4547648873710
324012	AX-REM00K2070-IE	Braking resistor, 70 ohm, 200 W nominal	27.76	4547648873734
324017	AX-REM00K2120-IE	Braking resistor, 120 ohm, 200 W nominal	33.83	4547648873789
324014	AX-REM00K4035-IE	Braking resistor, 35 ohm, 400 W nominal	36.83	4547648873758
324013	AX-REM00K4075-IE	Braking resistor, 70 ohm, 400 W nominal	40.80	4547648873741
324016	AX-REM00K5120-IE	Braking resistor, 120 ohm, 500 W nominal	43.12	4547648873772
324023	AX-REM00K6035-IE	Braking resistor, 35 ohm, 600 W nominal	66.65	4547648873840
324018	AX-REM00K6100-IE	Braking resistor, 100 ohm, 600 W nominal	53.40	4547648873796
324019	AX-REM00K9070-IE	Braking resistor, 70 ohm, 900 W nominal	116.80	4547648873802
324020	AX-REM01K9070-IE	Braking resistor, 70 ohm, 1900 W nominal	273.40	4547648873819
324021	AX-REM02K1070-IE	Braking resistor, 70 ohm, 2100 W nominal	424.20	4547648873826
324022	AX-REM03K5035-IE	Braking resistor, 35 ohm, 3500 W nominal	511.00	4547648873833
324030	AX-REM19K0020-IE	Braking resistor, 20 ohm, 19 kW nominal	590.50	4547648873918
324029	AX-REM19K0030-IE	Braking resistor, 30 ohm, 19 kW nominal	496.40	4547648873901
324031	AX-REM38K0012-IE	Braking resistor, 12 ohm, 38kW nominal	746.00	4547648873925
356394	CDBR-4030D	Braking unit for 3~ 400 V inverters	613.50	4547648924146
356395	CDBR-4045D	Braking unit for 3~ 400 V inverters	774.00	4547648924153
138124	ERF-150WJ101	Braking resistor, 100 Ohm, for 200 VAC drives (1.5kW) (equivalent to 3G3IV-PERF150WJ101)	32.62	4536853834982
138125	ERF-150WJ201	Braking resistor, 200 Ohm, for 200VAC drives (up to 0.75kW) (equivalent to 3G3IV-PERF150WJ201)	42.10	4536853834999
138126	ERF-150WJ301	Braking resistor, 300 Ohm, for 400 VAC drives (2.2kW) (equivalent to 3G3IV-PERF150WJ301)	32.62	4536853835002
147919	ERF-150WJ401	Braking resistor, 400 Ohm, for 400VAC drives (1.5kW) (equivalent to 3G3IV-PERF150WJ401)	32.62	4536853835019
148902	ERF-150WJ700	Braking resistor, 70 Ohm, for 200 VAC drives (2.2kW) (equivalent to 3G3IV-PERF150WJ700)	37.69	4536853835033
138127	ERF-150WJ751	Braking resistor, 750 Ohm, for 400VAC drives (up to 0.75kW) (equivalent to 3G3IV-PERF150WJ751)	32.62	4536853835040



### General purpose sensor in compact plastic housing

Compact housing size and high-power LED for excellent performance-size ratio and best value-performance ratio for standard applications.

- Minimal optical axis deviation for easy alignment
- IP67 and IP69K for highest water resistance
- Intensive shielding for highest noise immunity (EMC)
- Multiple molding housing for high mechanical resistance



Short item number	Order code	Description	Price EUR	GTIN
338387	E3Z-D81-M1J 0.3M	Photoelectric sensor, diffuse, compact square, infrared LED, 100m, PNP, L-on/D-on selectable, M12 pig-tail connector	80.20	4547648676212
241531	E3Z-D82 5M	Photoelectric sensor, diffuse, 1m, DC, 3-wire, PNP, 5m cable (requires bracket)	81.50	4547648287197
338392	E3Z-D82-M1J-1 0.3M	Photoelectric sensor, diffuse, compact square, infrared LED, 1 m, PNP, L-on/D-on selectable, M12 pig-tail connector 0.3 m with dust cover	80.85	4547648677295
323114	E3Z-L61 2M	Photoelectric sensor, narrow beam, diffuse, 90±30mm, DC, 3-wire, NPN, 2m cable	112.10	4547648676250
323116	E3Z-L66	Photoelectric sensor, narrow beam, diffuse, 90±30 mm, DC, 3-wire, NPN, M8 plug-in	112.10	4547648676281
323115	E3Z-L81 2M	Photoelectric sensor, narrow beam, diffuse, 90±30mm, DC, 3-wire, PNP, 2m cable	124.90	4547648676274
323131	E3Z-L81-M1J-1 0.3M	Photoelectric sensor, narrow beam, diffuse, 90±30mm, DC, 3-wire, PNP, 0.3 m cable with M12 connector incl. dust cap	109.60	4547648677301
323117	E3Z-L86	Photoelectric sensor, narrow beam, diffuse, 90±30mm, DC, 3-wire, PNP, M8 plug-in	124.90	4547648676298
323126	E3Z-LS61 2M	Photoelectric sensor, diffuse background suppression, 40-200mm, DC, 3-wire, NPN, 2m cable (requires bracket)	109.00	4547648677011
323128	E3Z-LS66	Photoelectric sensor, diffuse, BGS, compact square, red LED, 40-200mm, DC, 3-wire, NPN, M8 plug in (requires bracket)	112.10	4547648677035
323154	E3Z-LS68	Photoelectric sensor, diffuse, BGS, compact square, red LED, 80mm, NPN, L-on/D-on selectable, M8-4pin connector	115.20	4547648680615
323129	E3Z-LS81 2M	Photoelectric sensor, diffuse background suppression, 40-200 mm, DC, 3-wire, PNP, 2 m cable (requires bracket)	109.00	4547648677059
323136	E3Z-LS81-M1J 0.3M	Photoelectric sensor, diffuse background suppression, 40-200mm, DC, 3-wire, PNP, M12 pigtail (requires bracket)	158.00	4547648678674
323113	E3Z-LS81-M3J 0.3M	Photoelectric sensor, diffuse background suppression, 40 to 200 mm, DC, 3-wire, PNP, M8 pigtail 4-pin (requires bracket)	88.60	4547648677912
323134	E3Z-LS83 2M	Photoelectric sensor, diffuse background suppression, 2-80mm, DC, 3-wire, PNP, 2m cable (requires bracket)	136.50	4547648678339
323130	E3Z-LS86	Photoelectric sensor, diffuse background suppression, 40-200mm, DC, 3-wire, PNP, M8 plug in (requires bracket)	112.10	4547648677066
323135	E3Z-LS88	Photoelectric sensor, diffuse, BGS, compact square, red LED, 80m+F7390m, PNP, L-on/D-on selectable, M8 connector	138.50	4547648678353
372328	E3Z-R61-C 5M	Photoelectric sensor, retroreflective, 4m, DC, 3-wire, NPN, 5 m cable, including reflector E39-R1	124.90	4547648676748
338386	E3Z-R81-M1J 0.3M	Photoelectric sensor, retro-reflective, 4m, DC, 3-wire, PNP, M12 pigtail (requires reflector & bracket)	62.65	4547648676205
338393	E3Z-R81-M1J-1 0.3M	Photoelectric sensor, retroreflective, 4m, DC, 3-wire, PNP (requires reflector & bracket)	75.60	4547648677479
339271	E3Z-R81-M3J 0.3M	Photoelectric sensor, retro-reflective, 4m, DC, 3-wire, PNP, M8 pigtail 4-pin (requires reflector & bracket)	80.55	4547648676694
338405	E3Z-R81-M5J 0.3M	Photoelectric sensor, retroreflective, 4m, DC, 3-wire, PNP (requires reflector & bracket)	94.25	4547648678131
339294	E3Z-R86-4	Photoelectric sensor, retro-reflective, compact square, infrared LED, 5m, PNP, L-on/D-on selectable, M8-4pin connector	78.85	4547648680011
658924	E3Z-R86H	Retro-reflective with M.S.R. 4m, without sensitivity adjusters, PNP, M8 plug-in 4-pins	67.35	4548583583818
323229	E3ZS-T81A	Photoelectric sensor	221.20	4547648674355
339279	E3Z-T81A-M1J 0.3M	Photoelectric sensor, through-beam, 10 m, DC, 3-wire, PNP, M12 cable end connector, 0.3 m cable	155.30	4547648677653
323111	E3Z-T81C-G0SRD-CN	Photoelectric sensor, through-beam receiver, 15 m, DC, 3-wire, PNP, Dark-ON, without adjuster, M8 4-pin connector	82.80	4547648683081
323110	E3Z-T81C-G0SRL-CN	Photoelectric sensor, through-beam emitter, 15 m, DC, 3-wire, PNP, M8 4-pin connector	48.97	4547648683074
339296	E3Z-T81-D-M1J-1 0.3M	Photoelectric sensor, through-beam receiver, 15 m, DC, 3-wire, PNP, 0.3 m cable with M12 connector incl. dust cap	70.30	4547648680059
342546	E3Z-T81K 2M	Photoelectric sensor, through-beam, 15 m, 3-wire, PNP, 2 m cable, oil resistant	106.30	4547648677387
339295	E3Z-T81-L-M1J-1 0.3M	Photoelectric sensor, through-beam emitter, 15 m, DC, 3-wire, PNP, 0.3 m cable with M12 connector incl. dust cap	47.29	4547648680042
338385	E3Z-T81-M1J 0.3M	Photoelectric sensor, through-beam, Sn=15 m, PNP, plastic, red LED, 0.3 m PVC cable with M12 4-pin	144.50	4547648676199



### IO-Link sensor in compact plastic housing

The E3Z IO-Link sensor provides high functionality and easy data access from the control level thanks IO-Link functionalities. Designed in compact housing size, with advanced diagnostics, flexible settings and with all standard detection modes, make the sensor the first choice for standard and challenging applications.

- Configuration and communication via IO-Link v1.1
- IO-Link functionalities with advanced diagnostics
- Transmission rate COM 2 & COM 3
- Rugged compact housing

Short item number	Order code	Description	Price EUR	GTIN
671087	E3Z-D87-IL2	Photoelectric sensor, diffuse, 1 m, DC, PNP, M8 connector, IO-link, COM 2	82.80	4548583793293



### Photoelectric sensor in compact stainless steel housing

Compact housing size and high power LED for excellent performance-size ratio in a rugged, detergent-resistant stainless steel housing for demanding environments.

- High grade stainless steel housing (SUS316L)
- IP67 and IP69k for highest water resistance
- Ecolab tested and certified detergent resistance

Short item number	Order code	Description	Price EUR	GTIN
223465	E3ZM-D62 2M	Photoelectric sensor, Diffuse, metal body, IP69K, 1m, NPN, 2m cable	149.70	4547648235587
223467	E3ZM-D82 2M	Photoelectric sensor, Diffuse, metal body, IP69K, 1m, pre-wired, PNP, 2m cable	149.70	4547648235600
223468	E3ZM-D87	Photoelectric sensor, diffuse, metal body, IP69K, 1m, M8 4-pin, PNP	149.00	4547648235617
223473	E3ZM-LS81H 2M	Photoelectric sensor, fixed background suppression, metal body, IP69K, 0.1m, PNP, 2m cable	150.30	4547648235686
223475	E3ZM-LS84H 2M	Photoelectric sensor, fixed background suppression, metal body, IP69K, 0.2m, PNP, 2m cable	149.70	4547648235709
223476	E3ZM-LS86H	Photoelectric sensor, fixed background suppression, metal body, IP69K, 0.1 m, M8 4-pin, PNP output	129.00	4547648235716
227237	E3ZM-LS86X	Photoelectric sensor, diffuse, BGS, 100mm, compact square, stainless steel, IP69K, red LED, L-on fixed, PNP, M8 4-pin connector	154.90	4547648279765
223478	E3ZM-LS89H	Photoelectric sensor, fixed background suppression, metal body, IP69K, 0.2 m, M8 4-pin, PNP	127.80	4547648235730
227239	E3ZM-LS89X	Photoelectric sensor, diffuse, BGS, 200mm, compact square, stainless steel, IP69K, red LED, L-on fixed, PNP, M8 4-pin connector	178.40	4547648279598
223479	E3ZM-R61 2M	Photoelectric sensor, retro-reflective, metal body, IP69K, 4m, NPN, 2m cable	146.50	4547648235747
223481	E3ZM-R81 2M	Photoelectric sensor, Retro-reflective, metal body, IP69K, 4m, PNP, 2m cable	146.50	4547648235761
223482	E3ZM-R86	Photoelectric sensor, retro-reflective, metal body, IP69K, 4m, M8 4-pin, PNP	149.70	4547648235778
223485	E3ZM-T81 2M	Photoelectric sensor, through-beam, metal body, IP69K, 15m, PNP, 2m cable	235.20	4547648235808
226037	E3ZM-T81 5M	Photoelectric sensor, Through Beam, metal body, IP69K, 15 m, Pre-wired, PNP Output	276.80	4547648271790
292361	E3ZM-T81-L 5M	Photoelectric sensor, rectangular, SUS body, IR LED, thru-beam emitter, 15 m, PNP, L-ON/D-ON selectable, 5 m cable	128.30	4547648719148
227530	E3ZM-T83 5M	Photoelectric sensor, through-beam, 0.8m, compact square, stainless steel, infrared LED, internal slit, IP69K, PNP, 5 m cable	237.00	4547648289375
223486	E3ZM-T86	Photoelectric sensor, through-beam, metal body, IP69K, 15m, M8 4-pin, PNP	235.70	4547648235815
227532	E3ZM-T88	Photoelectric sensor, through-beam, 0.8m, compact square, stainless steel, infrared LED, internal slit, IP69K, PNP, M8-4pin connector	247.90	4547648289399



### LASER sensor in compact plastic housing

The E3Z LASER sensor in compact plastic housing features visible LASER light for precision positioning and detection applications.

- Visible LASER light for precision positioning and small object detection
- High power LED for long range precision
- Class 1 LASER
- Precise background suppression and low black/white error for accurate detection

Short item number	Order code	Description	Price EUR	GTIN
323137	E3Z-LL61 2M	Photoelectric sensor, BGS laser sensor, 20-300mm, pre-wired, NPN, 2m cable	171.70	4547648678735
323138	E3Z-LL66	Photoelectric sensor, BGS laser, 20-300mm, M8 4-pin connector, NPN	167.80	4547648678742
323142	E3Z-LL68	Photoelectric sensor, BGS laser, 300mm, NPN, L-on/D-on selectable, M8 connector	202.10	4547648678780
323139	E3Z-LL81 2M	Photoelectric sensor, BGS laser sensor, 20-300mm, pre-wired, PNP	171.70	4547648678759
323041	E3Z-LL81-M1J 0.3M	Photoelectric sensor, BGS laser, 20-300mm, M12 pigtail, PNP	203.60	4547648678926
323064	E3Z-LL81-M3J 0.3M	Photoelectric sensor, BGS laser, 20-300mm, M8 pigtail 4-pin, PNP	172.30	4547648679282
323143	E3Z-LL83 2M	Photoelectric sensor, BGS laser, 300mm, PNP, L-on/D-on selectable, pre-wired 2m	171.70	4547648678797
323140	E3Z-LL86	Photoelectric sensor, BGS laser, 20-300mm, M8 4-pin connector, PNP	168.50	4547648678766
323144	E3Z-LL88	Photoelectric sensor, BGS laser, 300mm, PNP, L-on/D-on selectable, M8-4pin connector	171.00	4547648678803
323145	E3Z-LR61 2M	Photoelectric sensor, retro-reflective laser, 15m, NPN, 2m cable	134.90	4547648678810
323146	E3Z-LR66	Photoelectric sensor, retro-reflective laser, 15m, M8 4-pin connector, NPN	136.40	4547648678827
323147	E3Z-LR81 2M	Photoelectric sensor, retro-reflective laser, 15m, PNP, 2m cable	134.90	4547648678834
323049	E3Z-LR81-M1J 0.3M	Photoelectric sensor, retro-reflective laser, 15 m, M12 pigtail, PNP	123.40	4547648679008
323148	E3Z-LR86	Photoelectric sensor, retro-reflective laser, 15m, M8 4-pin connector, PNP	133.50	4547648678841
323149	E3Z-LT61 2M	Photoelectric sensor, through-beam laser, 60m, pre-wired, NPN output, 2M cable	171.70	4547648678858
323150	E3Z-LT66	Photoelectric sensor, through-beam laser, 60m, M8 4-pin connector, NPN	168.50	4547648678865
323151	E3Z-LT81 2M	Photoelectric sensor, through-beam laser, 60m, PNP, 2m cable	171.70	4547648678872
323053	E3Z-LT81-M1J 0.3M	Photoelectric sensor, through-beam laser, 60m, M12 pigtail, PNP	189.20	4547648679046
323152	E3Z-LT86	Photoelectric sensor, through-beam laser, 60m, M8 4-pin connector, PNP	171.70	4547648678889
333179	E3Z-LT86-D	Photoelectric sensor, through-beam laser receiver, 60 m, M8 4-pin connector, PNP	66.50	4547648679695
323058	E3Z-LT86-L	Photoelectric sensor, through-beam laser emitter, 60m, M8 4-pin connector	123.40	4547648679091



### Distance-settable photoelectric sensor in metal housing

Distance-settable photoelectric sensor in metal housing

- Minimal black/white error for highest reliability detecting differently coloured objects (E3S-CL1)
- Setting distance up to 500 mm with reliable background suppression

Short item number	Order code	Description	Price EUR	GTIN
239843	E3S-CL1 2M	Photoelectric sensor distance setting BGS, 5-200mm, NPN/PNP, 2m cable	191.40	4547648357418
239821	E3S-CL1 5M	Photoelectric sensor distance setting BGS, 5-200 mm, NPN/PNP, 5 m cable	181.40	4547648357425
239808	E3S-CL1-M1J 0.3M	Photoelectric sensor distance setting BGS, 5-200mm, NPN/PNP, M12 pigtail	182.30	4547648357517
239844	E3S-CL2 2M	Photoelectric sensor distance setting BGS, 5-500mm, NPN/PNP, 2m cable	175.70	4547648357432
239822	E3S-CL2 5M	Photoelectric sensor distance setting BGS, 5-500mm, NPN/PNP, 5m cable	196.70	4547648357449
239809	E3S-CL2-M1J 0.3M	Photoelectric sensor distance setting BGS, 5-500mm, NPN/PNP, M12 pigtail	194.30	4547648357524



### Photoelectric sensor in plastic fork shape housing

The forked shape optical through-beam sensors combine simple installation with reliable passage detection of object, machine parts or transportation elements like hanggliders.

- Fork shape for simple installation
- 1 or 2 axis models

Short item number	Order code	Description	Price EUR	GTIN
332056	E3Z-G61 2M	Photoelectric sensor, single-beam, slot, 25 mm, DC, 3-wire, NPN, 2 m cable	103.40	4547648676519
332059	E3Z-G81 2M	Photoelectric sensor, single-beam, slot, 25mm, DC, 3-wire, PNP, 2m cable	103.40	4547648676908
332063	E3Z-G81-M1J-1 0.3M	Photoelectric sensor, single-beam, slot, 25 mm, DC, 3-wire, PNP, M12 pigtail connector	99.30	4547648677318
332060	E3Z-G81-M3J	Photoelectric sensor, single-beam, slot, 25mm, DC, 3-wire, PNP, M8 pigtail connector	134.60	4547648676915
332061	E3Z-G82 2M	Photoelectric sensor, twin-beam, slot, 25mm, DC, 4-wire, PNP, 2m cable	126.00	4547648676939
332062	E3Z-G82-M3J	Photoelectric sensor, twin-beam, slot, 25mm, DC, 4-wire, PNP, M8 pigtail connector	158.60	4547648676946



### Transparent object detection sensor in compact stainless steel housing

The E3ZM-B family provides models for the general transparent material detection and specialized models providing highest stability for the detection of PET bottles.

- Stable PET detection using double refraction and AC<sup>3</sup> power control technology
- Detergent resistant compact SUS316L housing

Short item number	Order code	Description	Price EUR	GTIN
332044	E3ZM-B66	Photoelectric sensor, transparent PET bottle, retro-reflective, metal body, IP69K, 500 mm, NPN, reflector not included, M8 4-pin connector	167.90	4547648689298
332042	E3ZM-B81 2M	Photoelectric sensor, transparent PET bottle, retro-reflective, metal body, IP69K, 500mm, PNP, reflector not included, 2M cable	170.30	4547648689274
323656	E3ZM-B81T 2M	Photoelectric sensor, transparent, retro-reflective 500mm with adjuster, metal body, IP69K, PNP, reflector not included, 2m cable	173.30	4547648797313
332045	E3ZM-B86	Photoelectric sensor, transparent PET bottle, retro-reflective, metal body, IP69K, 500mm, M8 4-pin connector, PNP, reflector not included	167.90	4547648689304
326598	E3ZM-B86-C	Photoelectric sensor, transparent PET bottle, retro-reflective, metal body, IP69K, 500mm, M8 4-pin connector, PNP, reflector included	217.80	4547648689427
323657	E3ZM-B86T	Photoelectric sensor, transparent, retro-reflective 500mm with adjuster, metal body, IP69K, PNP, reflector not included, M8 4-pin connector	164.50	4547648797320



### Transparent bottle detection photoelectric sensor in compact plastic housing

The E3Z-B provides easy adjustment for the detection of a large variety of standard transparent objects.

- Detects a wide range of bottles from single bottles to sets of stocked bottles
- IP67/IP69K tested for highest water resistance

Short item number	Order code	Description	Price EUR	GTIN
323118	E3Z-B61 2M	Photoelectric sensor, transparent object, retro-reflective, 500mm, DC, 3-wire, NPN, 2m cable (requires reflector & bracket)	133.50	4547648676632
323120	E3Z-B66	Photoelectric sensor, transparent object, retro-reflective, 500mm, DC, 3-wire, NPN, M8 plug-in (requires reflector & bracket)	122.60	4547648676656
323123	E3Z-B67	Photoelectric sensor, transparent object, retro-reflective, 2m, DC, 3-wire, NPN, M8 plug-in (requires reflector & bracket)	122.60	4547648676724
323119	E3Z-B81 2M	Photoelectric sensor, transparent object, retro-reflective, 500mm, DC, 3-wire, PNP, 2m cable (requires reflector & bracket)	133.50	4547648676649
323124	E3Z-B82 2M	Photoelectric sensor, transparent object, retro-reflective, 2m, DC, 3-wire, PNP, 2m cable (requires reflector & bracket)	133.50	4547648676762
323121	E3Z-B86	Photoelectric sensor, transparent object, retro-reflective, 500mm, DC, 3-wire, PNP, M8 plug-in (requires reflector & bracket)	122.60	4547648676663
323125	E3Z-B87	Photoelectric sensor, transparent object, retro-reflective, 2m, DC, 3-wire, PNP, M8 plug-in (requires reflector & bracket)	122.60	4547648676786



### Transparent object sensor

E3S-DB sensor provides most reliable detection of all kinds of transparent objects such as PET bottles, glass bottles or transparent trays.

- Most reliable detection of all transparent objects
- Smart Teach enabling fast set up and optimum threshold setting
- Narrow beam types detecting smallest gaps
- Proven for environments in Food & Beverage industry

Short item number	Order code	Description	Price EUR	GTIN
668061	E3S-DBP11 2M	Photoelectric sensor, rectangular shape, red LED, transparent object detection, SmartTeach, 4.5 m PNP, antivalent output, prewired 2 m	109.30	4548583720978
388939	E3S-DBP21	Photoelectric sensor, rectangular shape, red LED, transparent object detection, SmartTeach, 4.5m, PNP, antivalent output, M12 conn.	101.20	4548583518292
388938	E3S-DBP21T	Photoelectric sensor, rectangular shape, red LED, transparent object detection, multi-turn trimmer, 4.5m, PNP, antivalent output, M12 conn.	90.05	4548583518285
388941	E3S-DBP22	Photoelectric sensor, rectangular shape, red LED, transparent object detection, narrow beam, SmartTeach, 0.7m, PNP, antivalent output, M12 conn.	102.70	4548583518315
388940	E3S-DBP22T	Photoelectric sensor, rectangular shape, red LED, transparent object detection, narrow beam, multi-turn trimmer, 0.7m, PNP, antivalent output, M12 conn.	94.65	4548583518308





### Photoelectric sensor for structured object detection in plastic housing

The special wide beam optics of the E3S-LS3 ensures reliable detection of structured objects (with holes or different heights) and can be used for example to detect printed circuit boards (PCBs).

- Wide beam for reliable detection of structured, shiny and irregularly shaped objects

Short item number	Order code	Description	Price EUR	GTIN
154808	E3S-LS3NW 2M	Photoelectric sensor, diffuse, 10-60mm, DC, 3-wire, NPN, vertical, 2m cable	109.40	4536854810060
130314	E3S-LS3PW 2M	Photoelectric sensor limited-reflective, diffuse, wide beam for structured-shiny-irregularly objects, 10-60mm, PNP, 2m cable	118.30	4536854917318
130317	E3S-LS3PW-M3J 0.3M	Photoelectric sensor, limited reflective, compact square, 10 to 60mm range, PNP, red LED, M8-4pin pig-tail connector	92.10	4536854917387
130316	E3S-LS3PWT 2M	Photoelectric sensor, limited reflective, compact square, 10 to 60mm range, PNP, red LED, timer function, 2m cable	111.90	4536854917332



### All voltage photoelectric sensor with long sensing distance

The new generation of square sized E3JK family provides significantly enhanced sensing performance and ease of operation. The family features 24 to 240 VAC power models as well as models with PNP/NPN transistor output.

- High power and visible red LED for all models enabling easy alignment and long sensing distance. Bright indicator LEDs that are visible even at a large distance. Best price-value ratio. Available models with red LED and infrared LED

Short item number	Order code	Description	Price EUR	GTIN
668837	E3JK-DN11 2M	Photoelectric sensor, square body, red LED, diffuse, 2.5m, NPN, L-ON/D-ON selectable, 2m cable	59.10	4548583746541
668839	E3JK-DP11 2M	Photoelectric sensor, square body, red LED, diffuse, 2.5m, PNP, L-ON/D-ON selectable, 2m cable	59.10	4548583746589
668840	E3JK-DP12 2M	Photoelectric sensor, square body, red LED, diffuse, 300mm, PNP, L-ON/D-ON selectable, 2m cable	61.10	4548583746602
669198	E3JK-DP13 2M	Photoelectric sensor, square body, IR LED, diffuse, 2.5m, PNP, L-ON/D-ON selectable, 2m cable	55.15	4548583580862
668835	E3JK-DR11 2M	Photoelectric sensor, square body, red LED, diffuse, 2.5m, AC/DC, relay, L-ON/D-ON selectable, 2m cable	69.30	4548583746480
668843	E3JK-DR12 2M	Photoelectric sensor, square body, red LED, diffuse, 300mm, AC/DC, relay, L-ON/D-ON selectable, 2m cable	66.00	4548583746510
669197	E3JK-DR14 2M	Photoelectric sensor, square body, IR LED, diffuse, 300mm, AC/DC, relay, L-ON/D-ON selectable, 2m cable	62.75	4548583580794
668832	E3JK-RN11 2M	Photoelectric sensor, square body, red LED, retro-reflective, non-polarized, 7m, NPN, L-ON/D-ON selectable, 2m cable	59.10	4548583746640
668831	E3JK-RN12 2M	Photoelectric sensor, square body, red LED, retro-reflective, polarized, 6m, NPN, L-ON/D-ON selectable, 2m cable	59.10	4548583746701
668833	E3JK-RP11 2M	Photoelectric sensor, square body, red LED, retro-reflective, non-polarized, 7m, PNP, L-ON/D-ON selectable, 2m cable	59.10	4548583746664
668836	E3JK-RP12 2M	Photoelectric sensor, square body, red LED, retro-reflective, polarized, 6m, PNP, L-ON/D-ON selectable, 2m cable	59.10	4548583746725
668844	E3JK-RR11 2M	Photoelectric sensor, square body, red LED, retro-reflective, non-polarized, 7m, AC/DC, relay, L-ON/D-ON selectable, 2m cable	64.05	4548583746626
668829	E3JK-RR12 2M	Photoelectric sensor, square body, red LED, retro-reflective, polarized, 6m, AC/DC, relay, L-ON/D-ON selectable, 2m cable	64.05	4548583746688
379009	E3JK-RR12 5M	Photoelectric sensor, square body, red LED, retro-reflective (polarized), 6m, AC/DC, Relay, 5 m cable	63.70	4548583484023
668830	E3JK-TP11 2M	Photoelectric sensor, square body, red LED, through-beam, 40m, PNP, L-ON/D-ON selectable, 2m cable	88.20	4548583746442
668838	E3JK-TR11 2M	Photoelectric sensor, square body, red LED, through-beam, 40m, AC/DC, relay, L-ON/D-ON selectable, 2m cable	94.05	4548583746343
668841	E3JK-TR11 5M	Photoelectric sensor, square body, red LED, through-beam, 40 m, AC/DC, relay, L-ON/D-ON selectable, 5 m cable	96.45	4548583746350



### Multi voltage photoelectric sensor in plastic housing with timer function

The square sized E3JM family provides 12 to 240 VDC and 24 to 240 VAC power supply voltage, an enhanced sensing distance and a timer function.

- 12 to 240 VDC and 24 to 240 VAC supply voltage
- Relay or solid state relay output
- Timer function

Short item number	Order code	Description	Price EUR	GTIN
680474	E3JM-10M4-G-NN	Photoelectric sensor, square shape, through-beam, 10m, relay output, connector clamps, PG13.5	131.80	4549734172912
680483	E3JM-10M4-NN	Photoelectric sensor, square shape, through-beam, 10m, relay output, connector clamps, PF1/2 conduit	141.50	4549734172875
680478	E3JM-10M4T-G-NN	Photoelectric sensor, square shape, through-beam, 10m, timer function, relay output, connector clamps, PG13.5	142.00	4549734172943
232869	E3JM-DS70M4	Photoelectric sensor, diffuse, 700 mm, AC/DC, relay	98.00	4536854779190
232860	E3JM-DS70M4-G	Photoelectric sensor, diffuse, 700mm, AC/DC, relay	92.40	4536854779107
232861	E3JM-DS70M4T-G	Photoelectric sensor, diffuse, 700mm, AC/DC, relay, timer 5s, conduit size PG13.5	102.40	4536854779114
232871	E3JM-R4M4	Photoelectric sensor, retro-reflective, 4m, AC/DC, relay, conduit PF 1/2	97.00	4536854779213
232862	E3JM-R4M4-G	Photoelectric sensor, retro-reflective, 4m, AC/DC, relay	92.75	4536854779121
232863	E3JM-R4M4T-G	Photoelectric sensor, retro-reflective, 4m, AC/DC, relay, timer 5s	104.30	4536854779138
232892	E3JM-R4R4-G	Photoelectric sensor, polarized retro.reflective, 4m, AC/DC, transistor output PNP	124.90	4536854779435
232897	E3JM-R4R4T-G	Photoelectric sensor, square shape, retro-reflective, 4m, timer function, SSR output/plus common, relay clamps	144.50	4536854779480
232904	E3JM-R4R4T-G-33	Photoelectric sensor, Polarized retroreflective, 4m, AC/DC, Transistor output PNP, timer	144.50	4536854779923



### High performance photoelectric sensor in compact M18 housing

E3FA/E3FB series represents a new generation of Omron photoelectric sensors with large varieties of reliable and easy-to use photoelectric sensors. Featuring many standard and special functions this line is addressing many kinds of industries such as packaging, ceramics and material handling.

- Large variety of standard and special types
- High power and visible red LED enabling easy alignment and long sensing distance
- Compact and robust housing for easy integration into machines

Short item number	Order code	Description	Price EUR	GTIN
378852	E3FA-DN11 2M	Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 100mm, NPN, L-ON/D-ON selectable, 2m cable	37.50	4548583440562
378853	E3FA-DN12 2M	Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 300mm, NPN, L-ON/D-ON selectable, 2m cable	37.50	4548583440579
378854	E3FA-DN13 2M	Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 1m, NPN, L-ON/D-ON selectable, 2m cable	39.52	4548583440586
381322	E3FA-DN15 2M	Photoelectric sensor, M18 axial, plastic body, IR LED, diffuse reflective, 300mm, NPN, L-ON/D-ON selectable, 2m cable	36.48	4548583468535
378862	E3FA-DN21	Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 100mm, NPN, L-ON/D-ON selectable, M12 connector	37.50	4548583440678
378863	E3FA-DN22	Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 300mm, NPN, L-ON/D-ON selectable, M12 connector	37.50	4548583440685
378864	E3FA-DN23	Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 1m, NPN, L-ON/D-ON selectable, M12 connector	39.52	4548583440692
381323	E3FA-DN25	Photoelectric sensor, M18 axial, plastic body, IR LED, diffuse reflective, 300mm, NPN, L-ON/D-ON selectable, M12 connector	36.48	4548583468542
378872	E3FA-DP11 2M	Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 100mm, PNP, L-ON/D-ON selectable, 2m cable	37.50	4548583440784
378873	E3FA-DP12 2M	Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 300mm, PNP, L-ON/D-ON selectable, 2m cable	37.50	4548583440791
378874	E3FA-DP13 2M	Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 1m, PNP, L-ON/D-ON selectable, 2m cable	39.52	4548583440807
381320	E3FA-DP14 2M	Photoelectric sensor, M18 axial, plastic body, IR LED, diffuse reflective, 100mm, PNP, L-ON/D-ON selectable, 2m cable	36.48	4548583468511
381324	E3FA-DP15 2M	Photoelectric sensor, M18 axial, plastic body, IR LED, diffuse reflective, 300mm, PNP, L-ON/D-ON selectable, 2m cable	36.48	4548583468559
381328	E3FA-DP16 2M	Photoelectric sensor, M18 axial, plastic body, IR LED, diffuse reflective, 1m, PNP, L-ON/D-ON selectable, 2m cable	38.78	4548583468597
378882	E3FA-DP21	Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 100mm, PNP, L-ON/D-ON selectable, M12 connector	37.50	4548583440890
378883	E3FA-DP22	Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 300mm, PNP, L-ON/D-ON selectable, M12 connector	37.50	4548583440906
378884	E3FA-DP23	Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 1m, PNP, L-ON/D-ON selectable, M12 connector	39.52	4548583440913
381321	E3FA-DP24	Photoelectric sensor, M18 axial, plastic body, IR LED, diffuse reflective, 100mm, PNP, L-ON/D-ON selectable, M12 connector	36.48	4548583468528
382777	E3FA-DP24-F2	Photoelectric sensor, M18 axial, plastic body, IR LED, diffuse reflective, 100mm, PNP, L-ON/D-ON selectable/inverted logic, M12 connector	28.24	4548583499485
381325	E3FA-DP25	Photoelectric sensor, M18 axial, plastic body, IR LED, diffuse reflective, 300mm, PNP, L-ON/D-ON selectable, M12 connector	36.48	4548583468566
381329	E3FA-DP26	Photoelectric sensor, M18 axial, plastic body, IR LED, diffuse reflective, 1m, PNP, L-ON/D-ON selectable, M12 connector	38.78	4548583468603
382779	E3FA-DP26-F2	Photoelectric sensor, M18 axial, plastic body, IR LED, diffuse reflective, 1 m, PNP, L-ON/D-ON selectable/inverted logic, M12 connector	30.57	4548583499508
378856	E3FA-LN12 2M	Photoelectric sensor, M18 axial, plastic body, red LED, BGS, 200 mm, NPN, L-ON/D-ON selectable, 2 m cable	44.33	4548583440609
378875	E3FA-LP11 2M	Photoelectric sensor, M18 axial, plastic body, red LED, BGS, 100mm, PNP, L-ON/D-ON selectable, 2m cable	44.20	4548583440814
378876	E3FA-LP12 2M	Photoelectric sensor, M18 axial, plastic body, red LED, BGS, 200mm, PNP, L-ON/D-ON selectable, 2m cable	43.95	4548583440821
378885	E3FA-LP21	Photoelectric sensor, M18 axial, plastic body, red LED, BGS, 100mm, PNP, L-ON/D-ON selectable, M12 connector	43.62	4548583440920
378886	E3FA-LP22	Photoelectric sensor, M18 axial, plastic body, red LED, BGS, 200mm, PNP, L-ON/D-ON selectable, M12 connector	43.47	4548583440937
378850	E3FA-RN11 2M	Photoelectric sensor, M18 axial, plastic body, red LED, retro-reflective, 0.1-4m, NPN, L-ON/D-ON selectable, 2m cable	37.50	4548583440548
378851	E3FA-RN12 2M	Photoelectric sensor, M18 axial, plastic body, red LED, coaxial retro-reflective, 0-500mm, NPN, L-ON/D-ON selectable, 2m cable	39.52	4548583440555

Short item number	Order code	Description	Price EUR	GTIN
378860	E3FA-RN21	Photoelectric sensor, M18 axial, plastic body, red LED, retro-reflective, 0.1-4m, NPN, L-ON/D-ON selectable, M12 connector	37.50	4548583440654
378870	E3FA-RP11 2M	Photoelectric sensor, M18 axial, plastic body, red LED, retro-reflective, 0.1-4m, PNP, L-ON/D-ON selectable, 2m cable	37.50	4548583440760
378871	E3FA-RP12 2M	Photoelectric sensor, M18 axial, plastic body, red LED, coaxial retro-reflective, 0-500mm, PNP, L-ON/D-ON selectable, 2m cable	39.52	4548583440777
378880	E3FA-RP21	Photoelectric sensor, M18 axial, plastic body, red LED, retro-reflective, 0.1-4m, PNP, L-ON/D-ON selectable, M12 connector	37.50	4548583440876
659017	E3FA-RP21-F2	Photoelectric sensor, M18 axial, plastic body, red LED, retro-reflective, 0.1 to 4 m, PNP, L-ON/D-ON selectable, inverted logic, M12 connector	43.85	4548583731196
378881	E3FA-RP22	Photoelectric sensor, M18 axial, plastic body, red LED, coaxial retro-reflective, 0-500mm, PNP, L-ON/D-ON selectable, M12 connector	39.52	4548583440883
386962	E3FA-TN11 2M	Photoelectric sensor, M18 axial, plastic body, red LED, through-beam, 20m, NPN, L-ON/D-ON selectable, 2m cable	51.10	4548583440531
381314	E3FA-TN12 2M	Photoelectric sensor, M18 axial, plastic body, infrared LED, through-beam, 15m, NPN, L-ON/D-ON selectable, 2m cable	52.15	4548583468450
404483	E3FA-TN21	Photoelectric sensor, M18 axial, plastic, red LED, through-beam, 20m, NPN, L-ON/D-ON selectable, M12 connector	51.10	4548583440647
404484	E3FA-TP11 2M	Photoelectric sensor, M18 axial, plastic, red LED, through-beam, 20m, PNP, L-ON/D-ON selectable, 2m PVC cable	51.10	4548583440753
416701	E3FA-TP11 5M	Photoelectric sensor, M18 axial, plastic, red LED, through-beam, 20 m, PNP, L-ON/D-ON selectable, 5 m PVC cable	42.77	4548583569201
381316	E3FA-TP12 2M	Photoelectric sensor, M18 axial, plastic body, infrared LED, through-beam, 15 m, PNP, L-ON/D-ON selectable, 2 m cable	52.15	4548583468474
404485	E3FA-TP21	Photoelectric sensor, M18 axial, plastic, red LED, through-beam, 20m, PNP, L-ON/D-ON selectable, M12 connector	51.10	4548583440869
415553	E3FA-TP21-D	Photoelectric sensor, M18 axial, plastic body, red LED, through-beam receiver, 20 m, PNP, L-ON/D-ON selectable, M12 connector	34.18	4548583547308
415552	E3FA-TP21-L	Photoelectric sensor, M18 axial, plastic body, red LED, through-beam emitter, 20 m, PNP, L-ON/D-ON selectable, M12 connector	24.10	4548583547292
381317	E3FA-TP22	Photoelectric sensor, M18 axial, plastic body, infrared LED, through-beam, 15 m, PNP, L-ON/D-ON selectable, M12 connector	52.15	4548583468481
378893	E3FB-DN11 2M	Photoelectric sensor, M18 axial, metal body, red LED, diffuse, 100 mm, NPN, L-ON/D-ON selectable, 2 m cable	42.77	4548583441002
378894	E3FB-DN12 2M	Photoelectric sensor, M18 axial, metal body, red LED, diffuse, 300mm, NPN, L-ON/D-ON selectable, 2m cable	39.17	4548583441019
378904	E3FB-DN21	Photoelectric sensor, M18 axial, metal body, red LED, diffuse, 100mm, NPN, L-ON/D-ON selectable, M12 connector	42.77	4548583441118
378905	E3FB-DN22	Photoelectric sensor, M18 axial, metal body, red LED, diffuse, 300mm, NPN, L-ON/D-ON selectable, M12 connector	42.77	4548583441125
378906	E3FB-DN23	Photoelectric sensor, M18 axial, metal body, red LED, diffuse, 1m, NPN, L-ON/D-ON selectable, M12 connector	44.75	4548583441132
378915	E3FB-DP11 2M	Photoelectric sensor, M18 axial, metal body, red LED, diffuse, 100mm, PNP, L-ON/D-ON selectable, 2m cable	42.77	4548583441224
378916	E3FB-DP12 2M	Photoelectric sensor, M18 axial, metal body, red LED, diffuse, 300mm, PNP, L-ON/D-ON selectable, 2m cable	42.77	4548583441231
378917	E3FB-DP13 2M	Photoelectric sensor, M18 axial, metal body, red LED, diffuse, 1 m, PNP, L-ON/D-ON selectable, 2 m cable	44.75	4548583441248
378926	E3FB-DP21	Photoelectric sensor, M18 axial, metal body, red LED, diffuse, 100mm, PNP, L-ON/D-ON selectable, M12 connector	42.77	4548583441330
378927	E3FB-DP22	Photoelectric sensor, M18 axial, metal body, red LED, diffuse, 300mm, PNP, L-ON/D-ON selectable, M12 connector	42.77	4548583441347
378928	E3FB-DP23	Photoelectric sensor, M18 axial, metal body, red LED, diffuse, 1m, PNP, L-ON/D-ON selectable, M12 connector	44.75	4548583441354
387806	E3FB-DP25-F2	Photoelectric sensor, M18 axial, metal body, infrared LED, diffuse reflective, 300mm, PNP, L-ON/D-ON selectable, inversed logic, M12 connector	41.49	4548583518926
659014	E3FB-DP26-F2	Photoelectric sensor, M18 axial, metal body, infrared LED, diffuse reflective, 1 m, PNP, L-ON/D-ON selectable inversed logic, M12 connector	43.47	4548583731295
378918	E3FB-LP11 2M	Photoelectric sensor, M18 axial, metal body, red LED, BGS, 100 mm, PNP, L-ON/D-ON selectable, 2 m cable	48.14	4548583441255
378929	E3FB-LP21	Photoelectric sensor, M18 axial, metal body, red LED, BGS, 100mm, PNP, L-ON/D-ON selectable, M12 connector	49.15	4548583441361
378930	E3FB-LP22	Photoelectric sensor, M18 axial, metal body, red LED, BGS, 200mm, PNP, L-ON/D-ON selectable, M12 connector	49.35	4548583441378
378891	E3FB-RN11 2M	Photoelectric sensor, M18 axial, metal body, red LED, retro-reflective, 0.1 to 4 m, NPN, L-ON/D-ON selectable, 2 m cable	42.77	4548583440982
378902	E3FB-RN21	Photoelectric sensor, M18 axial, metal body, red LED, retro-reflective, 0.1-4m, NPN, L-ON/D-ON selectable, M12 connector	42.77	4548583441095
378913	E3FB-RP11 2M	Photoelectric sensor, M18 axial, metal body, red LED, retro-reflective, 0.1-4m, PNP, L-ON/D-ON selectable, 2m cable	42.77	4548583441200
378924	E3FB-RP21	Photoelectric sensor, M18 axial, metal body, red LED, retro-reflective, 0.1 to 4 m, PNP, L-ON/D-ON selectable, M12 connector	42.77	4548583441316
659019	E3FB-RP21-F2	Photoelectric sensor, M18 axial, metal body, red LED, retro-reflective, 0.1 to 4 m, PNP, L-ON/D-ON selectable, inverted logic, M12 connector	40.45	4548583731325
378925	E3FB-RP22	Photoelectric sensor, M18 axial, metal body, red LED, coaxial retro-reflective, 0-500mm, PNP, L-ON/D-ON selectable, M12 connector	44.75	4548583441323
378890	E3FB-TN11 2M	Photoelectric sensor, M18 axial, metal body, red LED, through-beam, 20 m, NPN, L-ON/D-ON selectable, 2 m cable	61.05	4548583440975
378901	E3FB-TN21	Photoelectric sensor, M18 axial, metal body, red LED, through-beam, 20m, NPN, L-ON/D-ON selectable, M12 connector	61.05	4548583441088

Short item number	Order code	Description	Price EUR	GTIN
378912	E3FB-TP11 2M	Photoelectric sensor, M18 axial, metal body, red LED, through-beam, 20m, PNP, L-ON/D-ON selectable, 2m cable	61.05	4548583441194
378923	E3FB-TP21	Photoelectric sensor, M18 axial, metal body, red LED, through-beam, 20m, PNP, L-ON/D-ON selectable, M12 connector	61.05	4548583441309
415550	E3FB-TP21-D	Photoelectric sensor, M18 axial, metal body, red LED, thru-beam receiver, 20m, PNP, L-ON/D-ON selectable, M12 connector	39.81	4548583593671
378963	E3RA-DP12 2M	Photoelectric sensor, M18 radial, plastic body, red LED, diffuse, 300 mm, PNP, L-ON/D-ON selectable, 2 m cable	42.77	4548583441705
378964	E3RA-DP13 2M	Photoelectric sensor, M18 radial, plastic body, red LED, diffuse, 700mm, PNP, L-ON/D-ON selectable, 2m cable	44.75	4548583441712
378967	E3RA-DP21	Photoelectric sensor, M18 radial, plastic body, red LED, diffuse, 100 mm, PNP, L-ON/D-ON selectable, M12 connector	41.81	4548583441743
378968	E3RA-DP22	Photoelectric sensor, M18 radial, plastic body, red LED, diffuse, 300mm, PNP, L-ON/D-ON selectable, M12 connector	42.77	4548583441750
378969	E3RA-DP23	Photoelectric sensor, M18 radial, plastic body, red LED, diffuse, 700 mm, PNP, L-ON/D-ON selectable, M12 connector	44.75	4548583441767
378956	E3RA-RN21	Photoelectric sensor, M18 radial, plastic body, red LED, retro-reflective, 0.1 to 4 m, NPN, L-ON/D-ON selectable, M12 connector	41.81	4548583441637
378961	E3RA-RP11 2M	Photoelectric sensor, M18 radial, plastic body, red LED, retro-reflective, 0.1-4m, PNP, L-ON/D-ON selectable, 2m cable	41.81	4548583441682
378966	E3RA-RP21	Photoelectric sensor, M18 radial, plastic body, red LED, retro-reflective, 0.1-4m, PNP, L-ON/D-ON selectable, M12 connector	41.81	4548583441736
378960	E3RA-TP11 2M	Photoelectric sensor, M18 radial, plastic body, red LED, through-beam, 15 m, PNP, L-ON/D-ON selectable, 2 m cable	55.40	4548583441675
378965	E3RA-TP21	Photoelectric sensor, M18 radial, plastic body, red LED, through-beam, 15m, PNP, L-ON/D-ON selectable, M12 connector	55.40	4548583441729
378978	E3RB-DN22	Photoelectric sensor, M18 radial, metal body, red LED, diffuse, 300mm, NPN, L-ON/D-ON selectable, M12 connector	48.11	4548583441859
378983	E3RB-DP12 2M	Photoelectric sensor, M18 radial, metal body, red LED, diffuse, 300mm, PNP, L-ON/D-ON selectable, 2m cable	48.11	4548583441903
378987	E3RB-DP21	Photoelectric sensor, M18 radial, metal body, red LED, diffuse, 100 mm, PNP, L-ON/D-ON selectable, M12 connector	47.42	4548583441941
378988	E3RB-DP22	Photoelectric sensor, M18 radial, metal body, red LED, diffuse, 300mm, PNP, L-ON/D-ON selectable, M12 connector	40.24	4548583441958
378989	E3RB-DP23	Photoelectric sensor, M18 radial, metal body, red LED, diffuse, 700 mm, PNP, L-ON/D-ON selectable, M12 connector	49.76	4548583441965
378981	E3RB-RP11 2M	Photoelectric sensor, M18 radial, metal body, red LED, retro-reflective, 0.1-4m, PNP, L-ON/D-ON selectable, 2m cable	39.52	4548583441880
378986	E3RB-RP21	Photoelectric sensor, M18 radial, metal body, red LED, retro-reflective, 0.1-4m, PNP, L-ON/D-ON selectable, M12 connector	47.42	4548583441934
378985	E3RB-TP21	Photoelectric sensor, M18 radial, metal body, red LED, through-beam, 15m, PNP, L-ON/D-ON selectable, M12 connector	64.70	4548583441927



### Standard M18 Photosensor with best price-value ratio

Omron E3F1 series represents an M18 size Photoelectric sensor with best value at competitive price. It features the same compact housing as E3FA and meets all requirements for standard industrial applications.

- Bright visible red LED enabling easy alignment
- Compact and robust housing for easy integration into machines
- Reliable operation in all industrial environments



Short item number	Order code	Description	Price EUR	GTIN
378936	E3F1-DN11 2M	Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 100 mm, NPN, L-ON/D-ON selectable, 2 m cable	26.13	4548583441439
378937	E3F1-DN12 2M	Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 300 mm, NPN, L-ON/D-ON selectable, 2 m cable	26.91	4548583441446
378940	E3F1-DN21	Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 100 mm, NPN, L-ON/D-ON selectable, M12 connector	26.13	4548583441477
378941	E3F1-DN22	Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 300 mm, NPN, L-ON/D-ON selectable, M12 connector	26.91	4548583441484
378944	E3F1-DP11 2M	Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 100mm, PNP, L-ON/D-ON selectable, 2m cable	26.13	4548583441514
378945	E3F1-DP12 2M	Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 300mm, PNP, L-ON/D-ON selectable, 2m cable	26.91	4548583441521
378948	E3F1-DP21	Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 100mm, PNP, L-ON/D-ON selectable, M12 connector	26.13	4548583441552
378949	E3F1-DP22	Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 300mm, PNP, L-ON/D-ON selectable, M12 connector	26.91	4548583441569
401859	E3F1-DP22-10	Photoelectric sensor, LITE, M18 axial, plastic body, red LED, diffuse reflective, 300 mm, PNP, L-ON/D-ON selectable, M12 connector, Multipack 10 pcs	243.30	4548583571617
378935	E3F1-RN11 2M	Photoelectric sensor, M18 axial, plastic body, red LED, retro-reflective, 0.1-3m, NPN, L-ON/D-ON selectable, 2m cable	26.13	4548583441422
378939	E3F1-RN21	Photoelectric sensor, M18 axial, plastic body, red LED, retro-reflective, 0.1 to 3 m, NPN, L-ON/D-ON selectable, M12 connector	26.13	4548583441460
378943	E3F1-RP11 2M	Photoelectric sensor, M18 axial, plastic body, red LED, retro-reflective, 0.1-3m, PNP, L-ON/D-ON selectable, 2m cable	26.13	4548583441507
378947	E3F1-RP21	Photoelectric sensor, M18 axial, plastic body, red LED, retro-reflective, 0.1-3m, PNP, L-ON/D-ON selectable, M12 connector	26.13	4548583441545
401861	E3F1-RP21-10	Photoelectric sensor, LITE, M18 axial, plastic body, red LED, retro-reflective, 3 m, PNP, L-ON/D-ON selectable, M12 connector, Multipack 10 pcs	235.90	4548583571631
378934	E3F1-TN11 2M	Photoelectric sensor, M18 axial, plastic body, red LED, through-beam, 15 m, NPN, L-ON/D-ON selectable, 2 m cable	36.65	4548583441415
378938	E3F1-TN21	Photoelectric sensor, M18 axial, plastic body, red LED, through-beam, 15 m, NPN, L-ON/D-ON selectable, M12 connector	35.50	4548583441453
378942	E3F1-TP11 2M	Photoelectric sensor, M18 axial, plastic body, red LED, through-beam, 15m, PNP, L-ON/D-ON selectable, 2m cable	37.53	4548583441491
378946	E3F1-TP21	Photoelectric sensor, M18 axial, plastic body, red LED, through-beam, 15m, PNP, L-ON/D-ON selectable, M12 connector	35.50	4548583441538



### M18 Photosensor in high-grade stainless steel housing

For high grade stainless steel inductive sensors see the E2EH. And for high grade stainless steel Safety Non-contact switches see the F3S-TGR-N\_C.

- High grade steel housing (SUS316L)
- Proven with various industrial detergents of Ecolab and Diversey
- Withstands heat shock conditions
- Epoxy resin at connector/cable end preventing water ingress
- Bright visible red LED enabling easy alignment

Short item number	Order code	Description	Price EUR	GTIN
659444	E3FC-BP11 2M	Photoelectric sensor, M18 axial, SUS body, red LED, transparent object detection, 500mm, PNP, L-ON/D-ON selectable, 2m cable	72.70	4548583732667
659430	E3FC-DP12 2M	Photoelectric sensor, M18 axial, SUS body, red LED, diffuse, 300mm, PNP, L-ON/D-ON selectable, 2m cable	60.70	4548583732780
659445	E3FC-DP22	Photoelectric sensor, M18 axial, SUS body, red LED, diffuse, 300mm, PNP, L-ON/D-ON selectable, M12 connector	60.70	4548583732834
659439	E3FC-DP23	Photoelectric sensor, M18 axial, SUS body, red LED, diffuse, 1m, PNP, L-ON/D-ON selectable, M12 connector	61.70	4548583732841
659448	E3FC-DP25	Photoelectric sensor, M18 axial, SUS body, infrared LED, diffuse, 300mm, PNP, L-ON/D-ON selectable, M12 connector	60.70	4548583732858
659426	E3FC-LP21	Photoelectric sensor, M18 axial, SUS body, red LED, BGS, 100mm, PNP, L-ON/D-ON selectable, M12 connector	87.50	4548583732964
659454	E3FC-LP22	Photoelectric sensor, M18 axial, SUS body, red LED, BGS, 200mm, PNP, L-ON/D-ON selectable, M12 connector	88.45	4548583732971
659446	E3FC-RP11 2M	Photoelectric sensor, M18 axial, SUS body, red LED, retro-reflective, 0.1-4m, PNP, L-ON/D-ON selectable, 2m cable	61.70	4548583733008
659455	E3FC-RP21	Photoelectric sensor, M18 axial, SUS body, red LED, retro-reflective, 0.1-4m, PNP, L-ON/D-ON selectable, M12 connector	61.25	4548583733022
659443	E3FC-TP11 2M	Photoelectric sensor, M18 axial, SUS body, red LED, through-beam, 20m, PNP, L-ON/D-ON selectable, 2m cable	99.45	4548583733053
659433	E3FC-TP21	Photoelectric sensor, M18 axial, SUS body, red LED, through-beam, 20m, PNP, L-ON/D-ON selectable, M12 connector	103.30	4548583733084



### Miniature photoelectric sensors in M8 and M12 housings

For object detection applications where space is crucial, the E3H2 provides the easy mounting of cylindrical sensors in small M8 and M12 metal housings.

- M8 or M12 sized cylindrical housings when mounting space is crucial
- Retro-reflective models with two teaching modes for standard and semi-transparent objects
- Diffuse reflective models with fixed and teachable sensing distance
- Pre-wired and connector models

Short item number	Order code	Description	Price EUR	GTIN
323686	E3H2-DS10B4M 2M	Photoelectric sensor M12 brass housing, diffuse, 100mm fixed, PNP, 2m cable	72.90	4547648873017
323687	E3H2-DS10B4M-M1	Photoelectric sensor M12 brass housing, diffuse, 100mm fixed, PNP, Photoelectric sensor M12 4-pin connection	83.65	4547648873024
323682	E3H2-DS30B4M 2M	Photoelectric sensor M12 brass housing, diffuse, 300mm teachable, PNP, 2m cable	129.60	4547648872973
323683	E3H2-DS30B4M-M1	Photoelectric sensor M12 brass housing, diffuse, 300mm teachable, PNP, Photoelectric sensor M12 4-pin connection	84.85	4547648872980
323679	E3H2-R2B4M-M1	Photoelectric sensor M12 brass housing, retro-reflective with M.S.R., 2m teachable, PNP, Photoelectric sensor M12 4-pin connection	90.15	4547648872942
323674	E3H2-T4B4M 2M	Photoelectric sensor M12 brass housing, through-beam, 4m adjustable, PNP, 2m cable	122.60	4547648872898
323675	E3H2-T4B4M-M1	Photoelectric sensor M12 brass housing, through-beam, 4m adjustable, PNP, Photoelectric sensor M12 4-pin connection	163.90	4547648872904



### Miniature photoelectric sensors in M5 and M6 sized housing

The E3T-C family of miniature photoelectric sensors is the ideal solution when mounting space is crucial.

- axial and radial M5 sized through-beam sensors
- axial M6 sized diffuse-reflective sensors
- pre-wired models in stainless steel housing

Short item number	Order code	Description	Price EUR	GTIN
351567	E3T-CD11 2M	Photoelectric sensor, M6 stainless steel housing, diffuse 50 mm, Light-ON, NPN, 2 m cable	124.60	4547648838542
351568	E3T-CD13 2M	Photoelectric sensor, M6 stainless steel housing, diffuse 50 mm, Light-ON, PNP, 2 m cable	182.40	4547648838559
351564	E3T-CT14 2M	Photoelectric sensor, M6 stainless steel housing, through-beam 1 m, Dark-ON, PNP, 2 m cable	145.10	4547648838511
351566	E3T-CT24S 2M	Photoelectric sensor, M6 stainless steel housing, side view, through-beam 500 mm, Dark-ON, PNP, 2 m cable	145.10	4547648838535



### Transparent object detection sensor in compact M18 housing

The E3FA/E3FB-B/-V provides enhanced detection stability for the detection of transparent objects. It allows an easy and intuitive adjustment for individual requirements.

- Easy adjustment to individual requirements for all transparent materials
- P-opaqing technology enables reliable detection of PET bottles also in dusty environments
- Coaxial optics (E3F[.]\_B\_1) for stable, position-independent detection

Short item number	Order code	Description	Price EUR	GTIN
378869	E3FA-BN22	Photoelectric sensor, M18 axial, plastic body, red LED, transparent object detection, 0.1-2m, NPN, L-ON/D-ON selectable, M12 connector	47.42	4548583440746
378878	E3FA-BP11 2M	Photoelectric sensor, M18 axial, plastic body, red LED, transparent object detection, 500mm, PNP, L-ON/D-ON selectable, 2m cable	47.42	4548583440845
378879	E3FA-BP12 2M	Photoelectric sensor, M18 axial, plastic body, red LED, transparent object detection, 0.1-2m, PNP, L-ON/D-ON selectable, 2m cable	47.42	4548583440852
378888	E3FA-BP21	Photoelectric sensor, M18 axial, plastic body, red LED, transparent object detection, 500mm, PNP, L-ON/D-ON selectable, M12 connector	47.42	4548583440951
378889	E3FA-BP22	Photoelectric sensor, M18 axial, plastic body, red LED, transparent object detection, 0.1-2m, PNP, L-ON/D-ON selectable, M12 connector	47.42	4548583440968
378877	E3FA-VP11 2M	Photoelectric sensor, M18 axial, plastic body, red LED, limited distance reflective, 10-50mm, PNP, L-ON/D-ON selectable, 2m cable	45.78	4548583440838
378887	E3FA-VP21	Photoelectric sensor, M18 axial, plastic body, red LED, limited distance reflective, 10-50mm, PNP, L-ON/D-ON selectable, M12 connector	45.78	4548583440944
378932	E3FB-BP21	Photoelectric sensor, M18 axial, metal body, red LED, transparent object detection, 500mm, PNP, L-ON/D-ON selectable, M12 connector	52.45	4548583441392
378933	E3FB-BP22	Photoelectric sensor, M18 axial, metal body, red LED, transparent object detection, 0.1 to 2 m, PNP, L-ON/D-ON selectable, M12 connector	52.45	4548583441408
378931	E3FB-VP21	Photoelectric sensor, M18 axial, metal body, red LED, limited distance reflective, 10-50 mm, PNP, L-ON/D-ON selectable, M12 connector	44.43	4548583441385



### Photoelectric sensor in miniature plastic housing

Small sized photoelectric sensors in flat and side view shape for demanding mounting conditions.

- Small size with precision pinpoint LED where space is crucial
- 3.5mm flat model with reliable background suppression and small black/white error
- Unique optical alignment technology ensuring minimal deviation of optical axis
- High EMC and ambient light immunity

Short item number	Order code	Description	Price EUR	GTIN
130184	E3T-FD11 2M	Photoelectric sensor, diffuse, 30mm, DC, 3-wire, NPN, light-on, flat, 2m cable (requires E39-L119 bracket)	91.00	4536853289881
156504	E3T-FD13 2M	Photoelectric sensor, diffuse, 30mm, DC, 3-wire, PNP, light-on, flat, 2m cable (requires E39-L119 bracket)	88.75	4536854366437
351549	E3T-FD13M 2M	Photoelectric sensor, flat, diffuse 5-30mm, Light-ON, PNP, 2m cable (requires M3 screw & bracket)	65.70	4548583011144
142150	E3T-FD14 2M	Photoelectric sensor, diffuse, 30mm, DC, 3-wire, PNP, dark-on, flat, 2m cable (requires E39-L119 bracket)	91.30	4536854366451
224245	E3T-FL13 2M	Photoelectric sensor, background suppression, 1-15mm, DC, 3-wire, PNP, light-on, flat, 2m cable (requires bracket)	149.30	4547648223621
224247	E3T-FL21 2M	Photoelectric sensor, background suppression, 1-30mm, DC, 3-wire, NPN, light-on, flat, 2m cable (requires bracket)	126.00	4547648223645
224249	E3T-FL23 2M	Photoelectric sensor, background suppression, 1-30mm, DC, 3-wire, PNP, light-on, flat, 2m cable (requires bracket)	122.10	4547648223669
224250	E3T-FL24 2M	Photoelectric sensor, background suppression, 1-30mm, DC, 3-wire, PNP, dark-on, flat, 2m cable (requires bracket)	126.00	4547648223676
149691	E3T-FT11 2M	Photoelectric sensor, through-beam, 500mm, DC, 3-wire, NPN, light-on, flat, 2m cable (requires 2x E39-L119 bracket)	121.30	4536853289867
130183	E3T-FT12 2M	Photoelectric sensor, through-beam, 500mm, DC, 3-wire, NPN, dark-on, flat, 2m cable (requires 2 x E39-L119 bracket)	118.60	4536853289874
130100	E3T-FT13 2M	Photo-electric sensor, through-beam, miniature, flat-view, 500mm, L-on, PNP, 2m cable	121.30	4536854366345
130101	E3T-FT14 2M	Photoelectric sensor, through-beam, 500mm, DC, 3-wire, PNP, dark-on, flat, 2m cable (requires 2 x E39-L119 bracket)	118.60	4536854366352
156503	E3T-SL11 2M	Photoelectric sensor, diffuse, 15mm, DC, 3-wire, NPN, light-on, side view, 2m cable (requires bracket)	92.35	4536853289836
145481	E3T-SL13 2M	Photoelectric sensor, diffuse, 15mm, DC, 3-wire, PNP, light-on, side view, 2m cable (requires bracket)	87.40	4536854366383
149692	E3T-SL14 2M	Photo-electric sensor, convergent-reflective, miniature, side view, 5 to 15 mm, D-on, PNP, 2 m cable	81.50	4536854366406
147720	E3T-SL21 2M	Photoelectric sensor, diffuse, 30mm, DC, 3-wire, NPN, light-on, side view, 2m cable (requires bracket)	88.75	4536853289904
130103	E3T-SL23 2M	Photoelectric sensor, diffuse, 30mm, DC, 3-wire, PNP, light-on, side view, 2m cable (requires bracket)	90.35	4536854366413
130104	E3T-SL24 2M	Photoelectric sensor, convergent-reflective, miniature, side view, 5-30mm, D-on, PNP, 2m cable	88.75	4536854366420
130110	E3T-SL24 5M	Photoelectric sensor, diffuse, 5 to 30 mm, DC, 3-wire, PNP, dark-on, side-view, 5 m cable, M2 mounting	73.30	4536854366598
224201	E3T-SR23 2M	Photoelectric sensor, retroreflective (reflector supplied), 200mm, DC, 3-wire, PNP, light-on, side-view, 2m cable (requires bracket)	96.65	4547648222952
224204	E3T-SR24 2M	Photoelectric sensor, retroreflective (reflector supplied), 200mm, DC, 3-wire, PNP, dark-on, side-view, 2m cable (requires bracket)	96.65	4547648222983
249829	E3T-SR43 2M	Photoelectric sensor, retro-reflective, 200 mm range	105.10	4547648590365
249833	E3T-SR43-C 2M	Photoelectric sensor, retro-reflective, miniature, side view, 200mm, PNP, L-on, 2m cable, M2 mounting	79.55	4547648590402
249830	E3T-SR44 2M	Photoelectric sensor, retro-reflective, miniature, side view, 200 mm, PNP, D-on, 2 m cable, M2 mounting, Small reflector E39-R4 included	105.10	4547648590372
156502	E3T-ST11 2M	Photoelectric sensor, through-beam, 1m, DC, 3-wire, NPN, light-on, side-view, 2m cable (requires 2 brackets)	121.30	4536853289805
130180	E3T-ST12 2M	Photoelectric sensor, through-beam, 1m, DC, 3-wire, NPN, dark-on, side view, 2m cable (requires 2 brackets)	119.00	4536853289812
130098	E3T-ST13 2M	Photo-electric sensor, through-beam, miniature, side view, 1m, L-on, PNP, 2m cable	118.60	4536854366321
130099	E3T-ST14 2M	Photoelectric sensor, through-beam, 1m, DC, 3-wire, PNP, dark-on, side view, 2m cable (requires 2 brackets)	117.70	4536854366338
224653	E3T-ST23 2M	Photoelectric sensor, through-beam, miniature, side view, 300mm, PNP, light-on, 2m cable, M2 mounting	134.60	4536854914126
224649	E3T-ST24 2M	Photoelectric sensor, through-beam, miniature, side view, 300mm, PNP, D-on, 2m cable, M2 mounting	123.70	4536854914096



### Photo microsensor in plastic fork shape housing

For smaller size see the EE-SX95. For larger fork size sensors see the E3Z-G.

- Response frequency up to 1 kHz
- Wide operating voltage range: 5 to 24 VDC

Short item number	Order code	Description	Price EUR	GTIN
392303	EE-SX472	Photo micro sensor, slot type, T-shaped, L-ON, NPN, connector	7.60	4548583476011
392304	EE-SX473	Photo micro sensor, slot type, close-mounting, L-ON, NPN, connector	10.80	4548583476028
392306	EE-SX670	Photo micro sensor, slot type, standard shape, L-ON/D-ON selectable, NPN, connector	10.04	4548583476042
392307	EE-SX670A	Photo micro sensor, slot type, standard shape, L-ON/D-ON selectable, NPN, connector	10.40	4548583476059
392308	EE-SX670P	Photo micro sensor, slot type, standard shape, L-ON/D-ON selectable, PNP, connector	17.23	4548583476080
237964	EE-SX670P-WR 1M	Photo micro sensor, slot type, standard shape, L-ON/D-ON selectable, PNP, 1 m robotic cable	21.60	4547648354639
392309	EE-SX670R	Photo micro sensor, slot type, standard shape, L-ON/D-ON selectable, PNP, connector	13.94	4548583476097
237956	EE-SX670-WR 1M	Photomicro sensor	15.81	4547648354554
392310	EE-SX671	Photo micro sensor, slot type, L-shaped, L-ON/D-ON selectable, NPN, connector	9.55	4548583476073
392311	EE-SX671A	Photo micro sensor, slot type, L-shaped, L-ON/D-ON selectable, NPN, connector	10.40	4548583476103
392312	EE-SX671P	Photo micro sensor, slot type, L-shaped, L-ON/D-ON selectable, PNP, connector	16.89	4548583476110
392313	EE-SX671R	Photo micro sensor, slot type, L-shaped, L-ON/D-ON selectable, PNP, connector	13.94	4548583476127
392314	EE-SX672	Photo micro sensor, slot type, T-shaped, L-ON/D-ON selectable, NPN, connector	10.40	4548583476134
392315	EE-SX672A	Photo micro sensor, slot type, T-shaped, L-ON/D-ON selectable, NPN, connector	9.90	4548583476141
392316	EE-SX672P	Photo micro sensor, slot type, T-shaped, L-ON/D-ON selectable, PNP, connector	14.32	4548583476158
237966	EE-SX672P-WR 1M	Photo micro sensor, slot type, T-shaped, L-ON/D-ON selectable, PNP, 1 m robotic cable	17.13	4547648354677
237958	EE-SX672-WR 1M	Photomicro sensor	18.03	4547648354578
392318	EE-SX673	Photo micro sensor, slot type, Close-mounting, L-ON/D-ON selectable, NPN, connector	8.09	4548583476172
392319	EE-SX673A	Photo micro sensor, slot type, Close-mounting, L-ON/D-ON selectable, NPN, connector	10.27	4548583476189
392320	EE-SX673R	Photo micro sensor, slot type, Close-mounting, L-ON/D-ON selectable, PNP, connector	16.52	4548583476202
392321	EE-SX674	Photo micro sensor, slot type, Close-mounting, L-ON/D-ON selectable, NPN, connector	12.81	4548583476219
392322	EE-SX674A	Photo micro sensor, slot type, Close-mounting, L-ON/D-ON selectable, NPN, connector	14.40	4548583476226
392323	EE-SX674P	Photo micro sensor, slot type, Close-mounting, L-ON/D-ON selectable, PNP, connector	20.91	4548583476233
237968	EE-SX674P-WR 1M	Photomicro sensor, close mounting, PNP, Dark ON indicator, pre wired 2 m	18.33	4547648354691
237960	EE-SX674-WR 1M	Photomicro sensor	13.82	4547648354592
392325	EE-SX675	Photo micro sensor, slot type, T-shaped, L-ON/D-ON selectable, NPN, connector	11.39	4548583476257

Short item number	Order code	Description	Price EUR	GTIN
127848	EE-1010 2M	Accessory Photomicro sensor EE-SPX_03, cable connector, PVC, 2m	5.52	4536853231057





### Ultra-compact fork shape Photomicrosensor

The small sized photo microsenors are ideally suited for the detection of machine parts where space is crucial.

- Mounting with M3 or M2 screws
- Bright indicator LEDs for high visibility from many directions.
- Antivalent output (L-ON/D-ON)
- Load short-circuit protection circuit

Short item number	Order code	Description	Price EUR	GTIN
378495	EE-SX951P-R 1M	Photo micro sensor, slot type, PNP, 1 m robotic cable	15.91	4548583416796
378485	EE-SX951P-W 1M	Photo micro sensor, slot type, PNP, 1 m cable	15.06	4548583416741
378492	EE-SX951-R 1M	Photo micro sensor, slot type, NPN, 1 m robotic cable	19.11	4548583416697
378496	EE-SX952P-R 1M	Photo micro sensor, slot type, PNP, 1 m robotic cable	19.39	4548583416802
378486	EE-SX952P-W 1M	Photo micro sensor, slot type, PNP, 1 m cable	13.16	4548583416758
378490	EE-SX953-R 1M	Photo micro sensor, slot type, NPN, 1 m robotic cable	16.52	4548583416710
378498	EE-SX954P-R 1M	Photo micro sensor, slot type, PNP, 1 m robotic cable	19.39	4548583416826
378493	EE-SX954-R 1M	Photo micro sensor, slot type, NPN, 1 m robotic cable	20.81	4548583416727



### Photomicrosensor in plastic fork shape housing

Standard photomicrosensors with 50 mA direct switching capacity for the accurate detection of machine parts or small objects independent of material or magnetic fields and at best value for money.

- Response frequency up to 1 kHz
- Space saving housing and connector integration

Short item number	Order code	Description	Price EUR	GTIN
335082	EE-SX972P-C1	Photomicro sensor, slot type, T-shape, 5 mm, PNP, connector	21.60	4547648822336



### Photomicrosensor in thin fork shape plastic housing

Thin shaped photomicrosensor for space saving mounting.

- Compact, thin profile enables mounting where space is crucial
- Indicator is visible from both sides
- Operating voltage range: 5 to 24 VDC

Short item number	Order code	Description	Price EUR	GTIN
127668	EE-SX770 2M	Photomicro sensor, slim, 5mm slot, D-on, NPN, 2m cable	44.87	4536854355509
127669	EE-SX770A 2M	Photomicro sensor	30.01	4536854355516
127688	EE-SX770P	Photomicro sensor, slim, 5mm slot, D-on, PNP, 2m cable	29.58	4536854402371
127672	EE-SX771 2M	Photomicro sensor, slim, L-shape, D-on, NPN, 2m cable	31.98	4536854355547
127673	EE-SX771A 2M	Photomicro sensor	30.41	4536854355554
127689	EE-SX771P	Photomicro sensor, slim, 5mm slot, L-shaped, D-on, PNP, 2m cable	29.00	4536854402388
127597	EE-SX771R	Photomicro sensor	29.20	4536854402456
127675	EE-SX772 2M	Photomicro sensor, slot type, slim, T-shaped, NPN, 2 m cable	30.01	4536854356728
151458	EE-SX772A 2M	Photomicro sensor, slim, 5mm slot, T-shaped, without incident light indicator, D-ON, NPN, 2 m cable	30.41	4536854356735
127594	EE-SX772P	Photomicro sensor, slim, 5mm slot, T-shaped, D-on, PNP, 2m cable	27.98	4536854402395
127598	EE-SX772R	Photomicro sensor	28.82	4536854402463
142714	EE-SX870P	Photomicro sensor, slim, 5mm slot, L-on, PNP, 2m cable	29.00	4536854402401
127674	EE-SX871 2M	Photomicro sensor, L-shaped 5mm slot with, L-ON, Incident light, 5-24 Vdc, NPN, 2M	30.41	4536854355561
127595	EE-SX871P	Photomicro sensor, L-shaped 5mm slot with, L-ON, Incident light, 5-24 Vdc, PNP, 2M	26.39	4536854402418
127676	EE-SX872 2M	Photomicro sensor, T-shaped 5mm slot with, L-ON, Incident light, 5-24 Vdc, NPN, 2M	31.98	4536854356742
104676	EE-SX872A 2M	Photo micro sensor, T-shaped 5 mm slot with, L-ON, No incident light, 5 to 24 VDC, NPN, 2 m	31.98	4536854356759
103843	EE-SX872P	Photomicro sensor, T-shaped 5mm slot with, L-ON, Incident light, 5-24 Vdc, PNP, 2M	29.00	4536854402425



### Photomicrosensor in plastic fork shape housing

With a slot width of 13mm the EE-SPX\_03 provides stable detection of machine parts or smaller objects.

- 13mm slot width
- 12 to 24 VDC supply voltage

Short item number	Order code	Description	Price EUR	GTIN
324057	EE-SPX303N	Photomicro sensor, slot type, 13 mm, D-on, NPN, connector	25.58	4547648766548
324058	EE-SPX403N	Photomicro sensor, slot type, 13 mm, NPN, connector	23.19	4547648766555



### High precision laser sensor with separate amplifier

The separate amplifier laser sensors feature a comprehensive range of sensing heads with variable spot and advanced CMOS sensing heads for high precision positioning and demanding applications.

- High detection stability independent from color or surface structure
- Lens attachments for line beam applications
- Easy installation due to adjustable focus and smart tune functions
- Sensor heads with up to 1.2 m sensing distance covering a wide range of applications
- High speed network connectivity to EtherCat fieldbus

Short item number	Order code	Description	Price EUR	GTIN
375078	E3NC-LA21 2M	Photoelectric sensor, Laser amplifier, Smart tuning, NPN, double output, external input, 2m cable	206.40	4548583374980
375079	E3NC-LA51 2M	Photoelectric sensor, Laser amplifier, Smart tuning, PNP, double output, external input, 2m cable	206.40	4548583374997
375086	E3NC-LH01 2M	Laser sensor head, 55-85mm, 0.1 mm spot	267.70	4548583376144
375085	E3NC-LH02 2M	Laser sensor head, 1200 mm, 0.8 mm spot adjustable	267.70	4548583376137
392637	E3NC-LH03 2M	Laser sensor head, retro-reflective, 8m, 2 mm spot	225.00	4548583489318
375071	E3NC-SA51 2M	Photoelectric sensor, CMOS Laser amplifier, Smart tuning, PNP, double output, external input, 2m cable	206.40	4548583376090
375074	E3NC-SH100 2M	CMOS Laser sensor head, 35-100mm, 1 mm spot	378.60	4548583376151
375077	E3NC-SH250 2M	CMOS Laser sensor head, 35-250mm, 0.5 mm spot	378.60	4548583376168



### High precision LASER sensor with separate amplifier

The separate amplifier high-precision photoelectric sensors feature a large variety of different LASER sensing heads for highest precision positioning and object detection.

- Easy installation due to adjustable focus point and optical axis
- Wide range sensor head portfolio with different laser beam shapes
- Controller functions with easy wiring concept and power tuning function

Short item number	Order code	Description	Price EUR	GTIN
131199	E3C-LD11 2M	Laser sensor head, diffuse reflective, "Spot beam" type, 2 m cable	376.70	4536854894503
131200	E3C-LD21 2M	Laser sensor head, diffuse reflective, "Line beam" type	471.80	4536854894510
142564	E3C-LDA41 2M	Photoelectric sensor, Laser amplifier, twin output, DC, PNP, 2m cable	269.30	4536854907760
131205	E3C-LDA51 2M	Photoelectric sensor, Laser amplifier, external input, DC, PNP, 2m cable	281.60	4536854907807
162304	E3C-LR11 2M	Laser sensor head, coaxial retro-reflective, variable spot (requires reflector)	383.10	4536854958281
163373	E3C-LR12 2M	Laser sensor head, coaxial retro-reflective, 2mm fixed spot (requires reflector)	381.40	4536854958298

Short item number	Order code	Description	Price EUR	GTIN
130510	E3S-AD11	Photoelectric sensor, diffuse, 200 mm, DC, 3-wire, NPN, horizontal, 2 m cable	102.70	4536853282233
143232	E3S-AD12	Photoelectric sensor, diffuse, 700 mm, DC, 3-wire, NPN, horizontal, 2 m cable	102.10	4536853282257
142140	E3S-AD13	Photoelectric sensor, diffuse, 100 mm, DC, 3-wire, NPN, horizontal, 2 m cable	108.50	4536853283872
155083	E3S-AD31	Photoelectric sensor, diffuse, 200 mm, DC, 3-wire, PNP, horizontal, 2 m cable	104.00	4536853282493
149804	E3S-AD32	Photoelectric sensor, diffuse, 700 mm, DC, 3-wire, PNP, horizontal, 2 m cable	102.40	4536853282516
147715	E3S-AD33	Photoelectric sensor, diffuse, 100 mm, DC, 3-wire, PNP, horizontal, 2 m cable	119.30	4536853283858
130433	E3S-AD36	Photoelectric sensor, diffuse, 200 mm, DC, 3-wire, PNP, horizontal, M12 plug-in	108.50	4536853282578
104096	E3S-AD37	Photoelectric sensor, diffuse, 700 mm, DC, 3-wire, PNP, horizontal, M12 plug-in	109.80	4536853282585
104101	E3S-AD38	Photoelectric sensor, diffuse, 100 mm, DC, 3-wire, PNP, horizontal, M12 plug-in	114.20	4536853283780
130445	E3S-AD61	Photoelectric sensor, diffuse, 200 mm, DC, 3-wire, NPN, vertical, 2 m cable	102.70	4536853282752
144400	E3S-AD63	Photoelectric sensor, diffuse, 100 mm, DC, 3-wire, NPN, vertical, 2 m cable	110.70	4536853283698
157686	E3S-AD66	Photoelectric sensor, diffuse, 200 mm, DC, 3-wire, NPN, vertical, M12 plug-in	107.70	4536853282837
130456	E3S-AD81	Photoelectric sensor, diffuse, 200 mm, DC, 3-wire, PNP, vertical, 2 m cable	105.60	4536853283018
142136	E3S-AD82	Photoelectric sensor, diffuse, 700 mm, DC, 3-wire, PNP, vertical, 2 m cable	102.40	4536853283032
130404	E3S-AD83	Photoelectric sensor, diffuse, 100 mm, DC, 3-wire, PNP, vertical, 2 m cable	108.80	4536853283827
130461	E3S-AD86	Photoelectric sensor, diffuse, 200 mm, DC, 3-wire, PNP, vertical, M12 plug-in	108.50	4536853283094
130462	E3S-AD87	Photoelectric sensor, diffuse, 700 mm, DC, 3-wire, PNP, vertical, M12 plug-in	107.70	4536853283100
130402	E3S-AD88	Photoelectric sensor, diffuse, 100 mm, DC, 3-wire, PNP, vertical, M12 plug-in	113.90	4536853283773
142134	E3S-AR11	Photoelectric sensor, retroreflective, 2 m, DC, 3-wire, NPN, horizontal, 2 m cable	114.90	4536853282219
130428	E3S-AR31	Photoelectric sensor, retroreflective, 2 m, DC, 3-wire, PNP, horizontal, 2 m cable	114.90	4536853282479
130432	E3S-AR36	Photoelectric sensor, retroreflective, 2 m, DC, 3-wire, PNP, horizontal, M12 plug-in	118.80	4536853282561
152076	E3S-AR61	Photoelectric sensor, retroreflective, 2 m, DC, 3-wire, NPN, vertical, 2 m cable	114.50	4536853282738
130455	E3S-AR81	Photoelectric sensor, retroreflective, 2 m, DC, 3-wire, PNP, vertical, 2 m cable	114.90	4536853282998
130460	E3S-AR86	Photoelectric sensor, retroreflective, 2 m, DC, 3-wire, PNP, vertical, M12 plug-in	118.80	4536853283087
130506	E3S-AT11	Photoelectric sensor, through-beam, 7 m, DC, 3-wire, NPN, horizontal, 2 m cable	139.40	4536853282172
130521	E3S-AT31	Photoelectric sensor, through-beam, 7 m, DC, 3-wire, PNP, horizontal, 2 m cable	141.20	4536853282431
130430	E3S-AT36	Photoelectric sensor, through-beam, 7 m, DC, 3-wire, PNP, horizontal, M12 plug-in	149.70	4536853282530
154285	E3S-AT61	Photoelectric sensor, through-beam, 7 m, DC, 3-wire, NPN, vertical, 2 m cable	139.40	4536853282691
130454	E3S-AT81	Photoelectric sensor, through-beam, 7 m, DC, 3-wire, PNP, vertical, 2 m cable	141.20	4536853282950
130458	E3S-AT86	Photoelectric sensor, through-beam, 7 m, DC, 3-wire, PNP, vertical, M12 plug-in	149.70	4536853283056
239839	E3S-CD11 2M	Photoelectric sensor, diffuse, 700 mm, DC, 3-wire, NPN/PNP, horizontal, 2 m cable	151.00	4547648357180
239840	E3S-CD12 2M	Photoelectric sensor, diffuse, 2m, DC, 3-wire, NPN/PNP, horizontal, 2m cable	159.70	4547648357197
239827	E3S-CD16	Photoelectric sensor, diffuse, 700 mm, DC, 3-wire, NPN/PNP, horizontal, M12 plug-in	172.60	4547648357593
239828	E3S-CD17	Photoelectric sensor, diffuse, 2m, DC, 3-wire, NPN/PNP, horizontal, M12 plug-in	171.10	4547648357609
239811	E3S-CD61 2M	Photoelectric sensor, diffuse, 700 mm, DC, 3-wire, NPN/PNP, vertical, 2 m cable	146.60	4547648357227
239806	E3S-CD61-M1J 0.3M	Photoelectric sensor, diffuse, 700 mm, DC, 3-wire, NPN/PNP, vertical, 0.3 m cable with M12 connector	155.10	4547648357395
239812	E3S-CD62 2M	Photoelectric sensor, diffuse, 2m, DC, 3-wire, NPN/PNP, vertical, 2m cable	161.50	4547648357234
239829	E3S-CD66	Photoelectric sensor, diffuse, 700 mm, DC, 3-wire, NPN/PNP, vertical, M12 plug-in	179.50	4547648357616
239838	E3S-CR11 2M	Photoelectric sensor, retro-reflective, 3m, DC, 3-wire, NPN/PNP, horizontal, 2m cable	149.70	4547648357173
239842	E3S-CR61 2M	Photoelectric sensor, retro-reflective, 3m, DC, 3-wire, NPN/PNP, vertical, 2m cable	147.70	4547648357210
239845	E3S-CR66	Photoelectric sensor, retro-reflective, 3m, DC, 3-wire, NPN/PNP, vertical, M12 plug-in	156.10	4547648357494
239837	E3S-CT11 2M	Photoelectric sensor, through-beam, 30m, DC, 3-wire, NPN/PNP, horizontal, 2m cable	199.80	4547648357166
239823	E3S-CT11-D 5M	Photoelectric sensor, through-beam receiver, 30 m range, Oil-resistant, DC, 3-wire, PNP/NPN, 5 m cable	149.50	4547648357463
239846	E3S-CT16	Photoelectric sensor, through-beam, 30 m, DC, 3-wire, NPN/PNP, horizontal, M12 plug-in	229.80	4547648357531
239841	E3S-CT61 2M	Photoelectric sensor, through-beam, 30m, DC, 3-wire, NPN/PNP, vertical, 2m cable	212.80	4547648357203
239817	E3S-CT61 5M	Photoelectric sensor, through-beam, 30 m, DC, 3-wire, NPN/PNP, vertical, 5 m cable	226.70	4547648357302
239825	E3S-CT61-D 5M	Photoelectric sensor, through-beam receiver, Sn=12 m, NPN/PNP, zinc diecast, 5 m PVC cable	149.50	4547648357487
239824	E3S-CT61-L 5M	Photoelectric sensor, through-beam emitter, Sn=12 m, zinc diecast, 5 m PVC cable	103.70	4547648357470
239847	E3S-CT66	Photoelectric sensor, through-beam, 30m, DC, 3-wire, NPN/PNP, vertical, M12 plug-in	195.10	4547648357562
239826	E3S-CT66-D	Photoelectric sensor, through-beam receiver, 30 m, DC, 3-wire, NPN/PNP, vertical, M12 plug-in	171.90	4547648357586
130258	E3S-G53B4	Photoelectric sensor, slot, 30 mm, DC, 3-wire, PNP, 2 m cable	163.00	4536853286194
130246	E3S-G53E4	Photoelectric sensor, slot, 30 mm, DC, 3-wire, NPN, 2 m cable	145.30	4536853285937
130256	E3S-LS10XB4	Photoelectric sensor, definite, 30 to 100 mm, DC, 3-wire, PNP, 2 m cable	184.40	4536853286132
130243	E3S-LS10XE4	Photoelectric sensor, definite, 30 to 100 mm, DC, 3-wire, NPN, 2 m cable	184.40	4536853285876
130257	E3S-LS20XB4	Photoelectric sensor, definite, 50 to 250 mm, DC, 3-wire, PNP, 2 m cable	184.40	4536853286156
130244	E3S-LS20XE4	Photoelectric sensor, definite, 50 to 250 mm, DC, 3-wire, NPN, 2 m cable	184.40	4536853285890
130422	E3S-R17	Photoelectric sensor, retroreflective, 300 mm, DC, 3-wire, NPN, horizontal, M12 plug-in	135.70	4536853284244
130355	E3S-R36	Photoelectric sensor, retroreflective, 1 m, DC, 3-wire, PNP, horizontal, M12 plug-in	132.90	4536853284718
130356	E3S-R37	Photoelectric sensor, retroreflective, 300 mm, DC, 3-wire, PNP, horizontal, M12 plug-in	127.40	4536853284725
130423	E3S-R67	Photoelectric sensor, retroreflective, 300mm, DC, 3-wire, NPN, vertical, M12 plug-in	132.90	4536853284251
130359	E3S-R86	Photoelectric sensor, retroreflective, 1 m, DC, 3-wire, PNP, vertical, M12 plug-in	129.50	4536853284756
130360	E3S-R87	Photoelectric sensor, retroreflective, 300 mm, DC, 3-wire, PNP, vertical, M12 plug-in	130.60	4536853284763
127753	EE-SPX302-W2A 1M	Photomicro sensor, slot type, 3.6 mm, D-ON, NPN, 1 m cable	32.82	4536854778513
225408	EE-SPX302-W2A 2M	Photo micro sensor	27.52	4536854778735
127750	EE-SPX613 1M	Photomicro sensor, tube type, liquid level detection, L-ON/D-ON selectable, NPN, 1 m cable	67.35	4536853234195
231172	EE-SPX613 3M	Photomicro sensor, tube type, liquid level detection, L-ON/D-ON selectable, NPN, 3 m cable	115.60	4536854827402
144819	EE-SPY302	Photomicro sensor, reflective type, vertical (axial), Sn=5 mm, D-ON, NPN, connector	26.39	4536854778094
127752	EE-SPY401	Photomicro sensor, reflective type, horizontal (radial), Sn=5 mm, L-ON, NPN, connector	21.60	4536854778087
158099	EE-SPY402	Photomicro sensor, reflective type, vertical (axial), Sn=5mm, L-ON, NPN, connector	20.81	4536854778100

Short item number	Order code	Description	Price EUR	GTIN
127758	EE-SPY411	Photomicro sensor, convergent reflective type, horizontal (radial), Sn=2-5 mm, L-ON, NPN, connector	42.91	4536854778599
148065	EE-SPY412	Photomicro sensor, convergent reflective type, vertical (axial), Sn=2-5 mm, L-ON, NPN, connector	33.40	4536854778605
127547	EE-SY672	Photomicro sensor, reflective type, vertical (axial), Sn=1-5mm (adjustable), L-ON/D-ON selectable, NPN, connector	20.81	4536853238797
676805	F3W-D052D 1M	Picking Sensor, Through Beam, Sensing distance 3 m, PNP output	753.50	4549734111522

Short item number	Order code	Description	Price EUR	GTIN
379735	EE-1001	Accessory Connector for Photomicrosensors, 4-pin, solder terminals	1.68	4548583379572
154581	EE-1003	Accessory Photomicro sensor connector	3.26	4536854886485
158029	EE-1006 1M	Accessory Photomicro sensor connector with cable 1 m	3.45	4536854831942
149189	EE-1006 2M	Accessory Photomicro sensor connector with cable 2 m	4.77	4536854831935
127851	EE-1006 3M	Accessory Photomicro sensor connector with cable 3m	5.09	4536854831959
335077	EE-1017 3M	Connector with cable for photomicrosensor EE-SX97 series, 3 m	19.39	4547648822398
127846	EE-2002	Accessory Photomicro sensor EE-SPX_03, NPN/PNP converter and cable connector, 0.5 m	18.42	4536853230944

## Photoelectric sensor accessories

## Photoelectric sensor accessories

Short item number	Order code	Description	Price EUR	GTIN
143880	E39-E11	Mutual interference filters for the E3Z-TA models	20.84	4536854555923
131393	E39-L104	Mounting bracket for E3Z sensor, standard, vertical mounting	5.72	4536853296643
103300	E39-L117	Mounting bracket for E3T-S* sensor, rear mounting	7.20	4536853296810
155635	E39-L142	Mounting Bracket, protective side wall (for E3Z)	9.21	4536854552557
354104	E39-L144	Sensor mounting Bracket, Protective bracket for E3Z pre-wired	11.99	4548583009004
142623	E39-L151	Sensor mounting Bracket, for E3Z, 200mm high post	23.59	4536854806681
131427	E39-L153	Mounting bracket for E3Z sensor, L shape, for prewired	5.28	4536854817274
370092	E39-L182	E3FA/R flush mounting bracket	6.25	4548583328075
370093	E39-L183	M18 L-type mounting bracket, stainless steel (SUS304)	6.25	4548583328082
348111	E39-L40	Accessory photosensor E3JK, mounting bracket	2.21	4547648825344
131444	E39-L43	Mounting bracket for E3Z sensor, side mounting	6.07	4536853295721
150902	E39-L44	Mounting bracket for E3Z sensor, rear mounting	5.43	4536853295714
131429	E39-L93FH	Mounting bracket for E3Z, 3D telescope mounting	28.39	4536854907517
131430	E39-L93H	Adjustable Pillar bracket for E3Z, E3SA, horizontal mount fixings	27.98	4536854907531
131431	E39-L93V	Adjustable Pillar bracket for E3Z, E3SA, Vertical mount fixings	27.98	4536854907548
354103	E39-L98	Protective metal cover for E3S-A/E3Z vertical sensor	15.61	4548583008991
358211	E39-R1	Accessory photosensor, reflector, 40 x 60 x 7.5 mm, ABS & Acrylic	13.61	4548583065079
131424	E39-R10	Accessory photosensor, reflector, 52x62x8 mm, ABS & Acrylic	15.20	4536854515217
163867	E39-R12	Reflector, E3C-LDA sensor, 23x23mm effective area	35.37	4536854958304
163377	E39-R13	Reflector, E3C-LDA sensor, 7x7mm effective area	24.64	4536854958311
659473	E39-R15	Reflector, stainless steel housing, 105 x 30 mm	275.70	4548583750807
659474	E39-R16	Reflector, E3C-LDA, highest detergent resistance, SUS316L, 43x30x5 mm	145.60	4548583750814
372980	E39-R1K	Accessory photosensor, reflector, 40x60x7.5 mm, ABS & Acrylic, anti-fogging coating	32.82	4548583128873
372803	E39-R1S	Accessory photosensor, reflector, 40x60x7.5 mm, ABS & Acrylic	7.60	4548583128910
372981	E39-R2	Accessory photosensor, reflector, 80.8x60x7.5 mm, ABS & Acrylic	18.42	4548583128859
386286	E39-R21	Accessory photoelectric sensors, reflector, microtriple 30x35mm	17.40	4548583489325
131460	E39-R3	Accessory photosensor, reflector, 42x22mm	20.81	4536853295950
249845	E39-R37-CA	Sensor reflector, high precision type, 14mm x 23mm	9.59	4547648595193
131468	E39-R4	Accessory photosensor, reflector, 23x14mm	21.20	4536853296193
356162	E39-R40	Accessory photosensor, reflector, 84.5x84.5x8.7 mm, ABS&Acrylic	17.48	4547648923460
227165	E39-R42	Reflector 51x60 mm	2.28	4547648280358
270970	E39-R50	Reflector, 40x60mm, IP69K, detergent resistant	32.82	4547648710107
270971	E39-R51	Reflector, 20x60mm, IP69K, detergent resistant	20.03	4547648710114
356168	E39-R6	Reflector, 52x40mm, micro-triple surface	9.29	4547648923521
356169	E39-R7	Sensor reflector, round, 84mm dia	7.60	4547648923538
356170	E39-R8	Reflector 100x100mm	14.05	4547648923545
154931	E39-R9	Reflector 35x42 mm	13.61	4536854515200
235857	E39-RP1	Reflector, polarizing, to use with E3ZM-B, 44mm x 64mm	20.10	4547648395526
131412	E39-RS1	Reflective tape, self adhesive, 35 x 10 mm	7.99	4536854386329
145484	E39-RS2	Accessory photoelectric sensor, reflective tape, 40 x 35 x 0.6, self adhesive	13.21	4536854386336
356172	E39-RS25 5M	Accessory photoelectric sensor, reflective tape, 25 mm x 5 m	93.05	4547648923569
131413	E39-RS3	Reflective tape, self-adhesive, 70x80mm	26.01	4536854386343
165090	E39-RS4	Reflective tape, high precision microtripel, self adhesive, 195mm x 22mm	116.60	4536854958335
165091	E39-RS5	Reflective tape, high precision microtripel, self adhesive, 108mm x 46mm	132.10	4536854958342
356173	E39-RS50 22.8M	Accessory photoelectric sensor, reflective tape, 50mm x 22.8m	459.60	4547648923576
356174	E39-RS50 5M	Accessory photoelectric sensor, reflective tape, 50 mm x 5 m	191.10	4547648923583
131390	E39-S61	Slit for E3S-CT series	18.03	4536853296582
145485	E39-S65A	Slit for E3Z-T, 0.5mm diameter	7.04	4536854499104
143240	E39-S65B	Slit for E3Z-T, 1mm diameter	7.76	4536854499111
131420	E39-S65C	Slit for E3Z-T, 2mm diameter	9.08	4536854499128
131421	E39-S65D	Slit for E3Z-T, 0.5 x 10 mm dia.	8.52	4536854499135
131422	E39-S65E	Slit for E3Z-T, 1x10mm diameter	9.21	4536854499142



### High-performance color mark sensor

E3S-DC provides reliable color mark detection for standard as well as challenging applications, especially registration marks in packaging.

- Capability to distinguish slight color differences
- Fast response time of 50  $\mu$ s
- Bank switching up to 9 memories
- RGB data transmission function
- Easy configuration by teach button or IO-link
- IO-link V1.1 communication and functionalities

Short item number	Order code	Description	Price EUR	GTIN
670883	E3S-DCN21	Registration mark sensor, diffuse, rectangular shape, IP67, 10 +/- 3mm, 50 $\mu$ s response time, NPN, M12 connector	200.90	4548583819047
670884	E3S-DCP21-IL2	Registration mark sensor, diffuse, rectangular shape, IP67, 10 +/- 3mm, 50 $\mu$ s response time, Push-Pull, IO-Link V1.1 communication COM2 (38.4kbps), M12 connector	238.30	4548583819054
670885	E3S-DCP21-IL3	Registration mark sensor, diffuse, rectangular shape, IP67, 10 +/- 3mm, 50 $\mu$ s response time, Push-Pull, IO-Link V1.1 communication COM3 (230.4kbps), M12 connector	238.30	4548583819061

## E3NX-CA

## Mark detection



### High-performance color mark sensor

E3NX-CA provides reliable color mark detection for standard as well as challenging applications. The separate sensing head setup allows the easy adaption to the mounting requirements even when space is crucial.

- Capability to distinguish slight color differences
- Response speed of 50  $\mu$ s using contrast mode
- Bank switching up to 8 memories
- RGB data transmission function
- Easy teaching by Smart Tuning within a few seconds
- EtherCAT communication unit for high-speed fieldbus connectivity

Short item number	Order code	Description	Price EUR	GTIN
671058	E3NX-CA41 2M	Fiber amplifier, standard model, color mark detection white LED, PNP output, smart tuning, 2m cable	206.20	4548583802605
671059	E3NX-CA51 2M	Fiber amplifier, advanced model, color mark detection white LED, PNP output, smart tuning, 2m cable	247.70	4548583802612





### Print mark detection photoelectric sensor in compact stainless steel housing

The detergent resistant photoelectric sensor in a robust stainless steel housing provides reliable detection of all common print marks in food packaging applications.

- White LED for stable detection of differently coloured or black print marks
- SUS 316L stainless steel housing
- Easy-to-use teach-in button
- Fast response time of 50µs

Short item number	Order code	Description	Price EUR	GTIN
332046	E3ZM-V61 2M	Registration mark sensor, diffuse, 12 +/- 2mm, 50µs response time, stainless steel body, IP69K, NPN, 2m cable	201.70	4547648689311
332048	E3ZM-V66	Registration mark sensor, diffuse, 12 +/- 2mm, 50µs response time, stainless steel body, IP69K, NPN, M8 4-pin connector	199.40	4547648689359
326595	E3ZM-V81 2M	Registration mark sensor, diffuse, 12 +/- 2mm, 50µs response time, stainless steel body, IP69K, PNP, 2m cable	200.90	4547648689335
326596	E3ZM-V81 5M	Colour mark sensor, diffuse, 12 +/- 2 mm, 50µs response time, stainless steel body, IP69K, PNP	209.00	4547648689342
332049	E3ZM-V86	Registration mark sensor, diffuse, 12 +/- 2mm, 50µs response time, stainless steel body, IP69K, PNP, M8 4-pin connector	198.40	4547648689366



**Measuring light curtains in robust aluminium housing**

The F3EM2 provides easy to install and set up height and profile measurement. The analogue output provides simple overall height detection and the serial output models provide single beam evaluation for profile measurements.

- Robust aluminium housing
- Analogue output for simple height detections
- Serial output with single beam evaluation for profile measurement
- Various output modes to adapt output data to the given application

Short item number	Order code	Description	Price EUR	GTIN
365873	F3EM2-005-150-AV	Measuring light curtain, 5mm resolution, 150mm height, analog output	982.00	4548583326996
365875	F3EM2-005-300-AV	Measuring light curtain, 5mm resolution, 300mm height, analog output	1,477.00	4548583327016
365879	F3EM2-005-600-AV	Measuring light curtain, 5mm resolution, 600mm height, analog output	2,464.00	4548583327054
365884	F3EM2-018-1200-AV	Measuring light curtain, 18mm resolution, 1200mm height, analog output	1,842.00	4548583327108



**Lightcurtain in robust aluminium housing**

The F3ET2 lightcurtains provide a reliable area monitoring in a robust housing. The optical synchronisation between emitter and receiver allow a fast and simple installation without special requirements.

- Optical synchronisation for reliable operation without additional wiring
- Robust aluminium housing
- NPN/PNP and light on/dark on selectable

Short item number	Order code	Description	Price EUR	GTIN
365856	F3ET2-005-150	Light curtain, 5mm resolution, 150mm height, NPN/PNP output	982.00	4548583326828
365858	F3ET2-005-300	Light curtain, 5mm resolution, 300mm height, NPN/PNP output	1,477.00	4548583326842
365857	F3ET2-018-150	Light curtain, 18mm resolution, 150mm height, NPN/PNP output	655.50	4548583326835
365859	F3ET2-018-300	Light curtain, 18mm resolution, 300mm height, NPN/PNP output	822.50	4548583326859



### Area monitoring fiber sensor heads

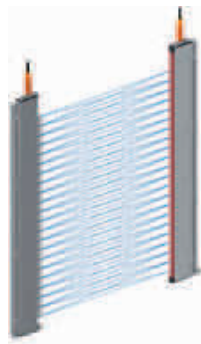
The area monitoring fibers allow the detection of objects passing anywhere through the detection range and can be used for height comparisons of different objects.

- Area monitoring up to 70 mm height
- Multi-beam sensor with 4 separate heads for flexible detection points
- Standard or high flex fibers

Short item number	Order code	Description	Price EUR	GTIN
656858	E32-ET16WR-1 2M	Fiber optic sensor, through-beam, 70mm curtain, 2m cable	674.50	4548583737891
656836	E32-ET16WR-2 2M	Fiber optic sensor, through-beam, 50mm curtain, 2m cable	693.50	4548583737907
357343	E32-T16 2M	Fiber optic sensor, through-beam, area detection, 10mm area, R25 fiber, 2m cable	163.90	4548583049062
357342	E32-T16 5M	Fiber optic sensor, through-beam, square right angle head, area detection (10mm), standard R25 fibre, 5m cable	167.90	4548583049079
356125	E32-T16J 2M	Fiber optic sensor, through-beam, area detection, 11mm area, standard fiber R10, 2m cable	466.90	4548583049000
356124	E32-T16P 2M	Fiber optic sensor, through-beam, area detection, 11mm area, R10 fiber, 2m cable	202.60	4548583048980
357346	E32-T16W 2M	Fiber optic sensor, through-beam, area detection, 30mm area, R10 fiber, 2m cable	466.90	4548583048997
357348	E32-T16WR 2M	Fiber optic sensor, through-beam, area detection, 30mm area, high-flex fiber R1, 2m cable	538.50	4548583049055

## F3E

## Lightcurtains and area sensors



### Light curtain in thin aluminium housing

The crossing of the multiple sensorbeams provides a reliable area monitoring in a thin, easy to install housing. The thin housing makes the light curtain ideal for the installation where space is crucial.

- Thin 9 mm shape for easy design-in in elevator constructions
- High ambient light immunity
- Robust aluminium housing
- Fulfills requirements of EN81-70 (1800 mm models) for mounting in elevators

Short item number	Order code	Description	Price EUR	GTIN
235624	F3E-06-T6	Light curtain, through-beam, 5m, pitch 40mm, potentialfree output, M8 4-pin connector, detection area 200mm	247.40	4536853911218
231744	F3E-16-T6	Light curtain, through-beam, 5m, pitch 120mm, potentialfree output, M8 4-pin plug-in, detection area 1800mm	430.10	4536853908485



### Standard cylindrical fiber sensor heads

The standard cylindrical fiber optic sensing heads provide reliable object detection, easy installation and long sensor lifetime for all general applications.

- High-flex fibers and 90° cable exit for cable breakage prevention
- Models with hexagonal back for simplified one-nut mounting
- Sizes M3 to M6

Short item number	Order code	Description	Price EUR	GTIN
374494	E32-D11N 2M	Fiber optic sensor, diffuse, M6 side view, 2m cable	131.40	4548583336124
182524	E32-D14L 2M	Fiber optic sensor, diffuse, 6mm diameter, long side view, 2m cable (requires E3X amplifier)	107.70	4547648094924
379167	E32-D211 2M	Fiber optic sensor, diffuse, M4 head, standard R10 fiber, 2 m cable	33.88	4548583413863
379168	E32-D211R 2M	Fiber optic sensor, diffuse, M4 head, high flex R1, 2 m cable	84.50	4548583413870
383729	E32-D21N 2M	Fiber optic sensor, diffuse, M4 hex right-angled head, high-flex R2 fiber, 2 m cable	81.80	4548583487833
182959	E32-DC200	Fiber optic sensor, diffuse, M6, 2m cable	27.68	4547648094986
182804	E32-DC200E 2M	Fiber optic sensor, diffuse, M3, 2m cable	36.51	4547648094993
182799	E32-DC500 5M	Fiber optic sensor, diffuse, M6, 5m	60.70	4547648094764
357347	E32-R21 2M	Fiber optic sensor, retro-reflective, M6 head, R10 fiber, 2m cable	152.90	4548583049130
374495	E32-T11N 2M	Fiber optic sensor, through-beam, M4 side view, 2m cable	102.00	4548583336117
356136	E32-T11R 2M	Fiber optic sensor, through-beam, M4 head, high flex R1 fibre, 2m cable	53.15	4548583049147
182801	E32-TC200 2M	Fiber optic sensor, through-beam, M4, 2m cable	32.18	4547648094870
182803	E32-TC200E 2M	Fiber optic sensor, through-beam, M3, 2m cable	45.32	4547648094894

### E32 Square shape

### Fiber sensor heads



### Square shape fiber sensor heads

The fiber heads in square shaped housing provide fast and easy installation on flat surfaces.

- Models with sensing direction in X, Y or Z axis
- 3 or 4mm thick housings for minimal height requirement
- Standard or high-flex fibers

Short item number	Order code	Description	Price EUR	GTIN
379164	E32-D15XR 2M	Fiber optic sensor, diffuse, square head, high flex R1 fiber, 2 m cable	126.90	4548583413825
172129	E32-D15Y 2M	Fiber optic sensor, diffuse, square shape, standard R25 fiber, 2m cable	107.20	4547648018081
656843	E32-ETS14R 2M	Fiber optic sensor, through-beam, rectangular body, side view, high flex, 2m cable	155.20	4548583737969
379197	E32-T15YR 2M	fiber optic sensor, through-beam, square side view, high flex R1 fiber, 2m cable	159.10	4548583414174



### Miniature fiber sensor heads

The miniature fiber heads provide high accuracy in smallest spaces and reliable detection of minute objects.

- Sizes from dia 500  $\mu\text{m}$  to 3 mm
- Side view models with precision axis alignment for highest accuracy
- Bendable sleeves for precision positioning

Short item number	Order code	Description	Price EUR	GTIN
357351	E32-D22R 2M	Fiber optic sensor, diffuse, miniature shape, dia 3mm, high-flex fiber R1, 2m cable	75.00	4548583049222
374487	E32-D24 2M	Fiber optic sensor, diffuse, 3mm diameter, side view, 2m cable	81.05	4548583336148
379169	E32-D24R 2M	Fibre optic sensor, diffuse, 2mm dia right-angle head, flexible R1 fibre, 2m cable	129.60	4548583413900
182528	E32-D32 2M	Fiber optic sensor, diffuse, 2mm diameter, coaxial, 2m cable	61.40	4547648094979
182796	E32-D33 2M	Fiber optic sensor, diffuse, 3mm dia, needle, 2m cable	64.45	4547648094733
182797	E32-DC200B 2M	Fiber optic sensor, diffuse, M6 with 90mm bendable sleeve	47.39	4547648094740
182798	E32-DC200B4 2M	Fiber optic sensor, diffuse, dia 2.5mm head with bendable sleeve, standard fiber R25, 2m cable	58.00	4547648094757
379176	E32-DC200F4	Fiber optic sensor, diffuse, M3 head with 1.2mm dia sleeve, R10, 2m cable	70.25	4548583413993
356130	E32-T12R 2M	Fiber optic sensor, through-beam, miniature shape, dia 3mm, high-flex fiber R1, 2m cable	54.50	4548583049178
182517	E32-T14L 2M	Fiber optic sensor, through-beam, long-distance, 2m cable	114.20	4547648094818
182520	E32-T22 2M	Fiber optic sensor, through-beam, 2mm dia head, standard R10 fiber, 2m cable	58.30	4547648094849
374488	E32-T24 2M	Fiber optic sensor, through-beam, 1mm, side-view, 2m cable	109.30	4548583336155
379191	E32-TC200B	Fiber optic sensor, through-beam, M4 head with 1.2mm sleeve, standard R25 fiber, 2m cable	64.45	4548583414303



**Longer distance fiber sensor heads**

With built-in focal lenses the longer distance fiber heads provide enhanced operational stability in dusty environments or long distance applications

- Sensing distance up to 20 m
- Built-in focal lens
- Sizes from dia 2mm to M14

Short item number	Order code	Description	Price EUR	GTIN
182523	E32-D11L 2M	Photoelectric sensor optical fiber, diffuse, M6, long-distance, 2m cable (requires E3X amplifier)	85.85	4547648094917
182526	E32-D21L 2M	Fiber optic sensor, diffuse, M4, long-distance, 2m cable (requires E3X amplifier)	92.40	4547648094955
182527	E32-D22L 2M	Photoelectric sensor optical fiber, diffuse, 3 mm diameter, long-distance, 2 m cable (requires E3X amplifier)	87.25	4547648094962
374457	E32-LD11 2M	Fiber optic sensor, diffuse, M6 head with lens, long distance, standard R25 fiber, 2m cable	44.66	4548583363458
374449	E32-LT11 2M	Fiber optic sensor, through-beam, M4 head with lens, long distance, standard R25 fiber, 2m cable	50.15	454858336551
383735	E32-LT11N 2M	Fiber optic sensor, through-beam, M4 hex right-angled head, integrated lens, high-flex R2 fiber, 2 m cable	83.90	4548583485686
374450	E32-LT11R 2M	Fiber optic sensor, through-beam, M4 head, long distance, high flex R1 fiber, 2m cable	100.50	454858336568
182515	E32-T11L 2M	Photoelectric sensor optical fiber, through-beam, M4, long-distance, 2m cable (requires E3X amplifier)	67.45	4547648094795
182516	E32-T12L 2M	Fiber optic sensor, through-beam, dia 3mm head with lens, long distance, standard R25 fiber, 2m cable	89.00	4547648094801
356129	E32-T14 2M	Fiber optic sensor, through-beam, side view, 2m cable	91.75	4548583049123
182519	E32-T21L 2M	Fiber optic sensing head, through-beam, 2 m cable	72.60	4547648094832
182802	E32-TC200A 2M	Fiber optic sensor, through-beam, M3, 2m cable	31.37	4547648094887





### Heat resistant fiber sensor heads

The wide range of heat resistant fibers provides long sensor lifetime with highest protection in demanding environments.

- Heat resistant up to 400°C
- Sizes from dia 2 mm to M6
- Models for long distances or high detection accuracy

Short item number	Order code	Description	Price EUR	GTIN
131592	E32-D51 2M	Fibre optic sensor, diffuse, M6 head, temperature resistant (150 degC), R35 fibre, 2 m cable	134.10	4536853292904
365161	E32-D61 2M	Fiber optic sensor, diffuse, M6 head, heat resistant 350°C, R25 fiber, 2m cable, for E3X-NA/SD amp only	316.60	4548583080454
369327	E32-D61-S 2M	Fiber optic sensor, diffuse, M6 head, heat resistant 350°C, R25 fiber, 2m cable	245.10	4548583080478
355403	E32-T61-S 2M	Fiber optic sensor, through-beam, M4 head, heat resistant 350°C, R25 fiber, 2m cable	312.00	4548583034495
355405	E32-T61-S 5M	Fiber optic sensor, through-beam, M4 head, temperature resistant (350 degC), R25 fibre, 5 m cable	871.50	4548583034518

### E32 Robot application

### Fiber sensor heads



### Robot application fiber sensor heads

For applications on frequently or fast moving parts, the robot fibers reduce the risk of fiber breakage with a guaranteed operational life of more than 1 million bending cycles.

- Free moving multicore fibers for > 1 mio bending cycles
- Square shapes for easy surface installation
- Cylindrical sizes from dia 1.5 mm to M6

Short item number	Order code	Description	Price EUR	GTIN
182522	E32-D11 2M	Fiber optic sensor, diffuse, M6, robotic fiber R4, 2m cable	48.68	4547648094900
182525	E32-D21 2M	Fiber optic sensor, diffuse, M3, robotic fiber R4, 2m cable	71.05	4547648094931
182958	E32-D21B 2M	Fiber optic sensor, diffuse, M4, robotic fiber R4, 2m cable	90.30	4547648094948
182795	E32-D22B 2M	Fiber optic sensor, diffuse, dia 1.5mm head, high-flex fiber R1, 2m cable	136.00	4547648094726
103780	E32-DC200C	Photoelectric sensor optical fibre, diffuse, M6, 2m spiral flex cable (requires E3X amplifier)	51.50	4536853293871
182514	E32-T11 2M	Fiber optic sensor, through-beam, M4, 2m cable	47.96	4547648094788
182957	E32-T22B 2M	Fiber optic sensor, through-beam, dia 1.5mm head, robotic fiber R4, 2m cable	81.20	4547648094856



**Precision detection fiber sensor heads**

Highest precision in design and manufacturing of the fibers and focal lenses ensure highest beam and spot accuracy allowing the detection of smallest objects and height differences of less than 100 µm.

- Coaxial fibers with focal lenses for spot diameters of 100 µm
- Through-beam models with highly focused beam and precise optical axis alignment
- Limited reflective models for height difference detection of less than 100 µm

Short item number	Order code	Description	Price EUR	GTIN
172351	E32-A09 2M	Fiber optic sensor, limited reflective, 15 to 38mm, 2m cable	409.10	4547648093569
383726	E32-C21N 2M	Fiber optic sensor, diffuse, M3 hex right-angled head, co-axial, high-flex R2 fiber, 2 m cable	113.50	4548583485747
411347	E32-C31 2M	Fiber optic sensor, diffuse, coaxial, M3, R25 fiber, 2 m cable	66.45	4547648095006
379159	E32-C31N 2M	Fiber optic sensor, diffuse coaxial, M3 side view, high flex R4 fiber, 2m cable	119.00	4548583413771
411346	E32-C41 1M	Fiber optic sensor, diffuse, coaxial, M3, R25 fiber, 1 m cable	88.70	4547648094771
182805	E32-CC200 2M	Fiber optic sensor, diffuse coaxial, M6, standard fiber R25, 2m cable	37.53	4547648095013
379161	E32-CC200R	Fiber optic sensor, diffuse coaxial, M6, high flex R4 fiber, 2 m cable	59.00	4548583413795
656864	E32-EC31 6M	Fibre optic sensor, diffuse, M3 head, co-axial type, standard R25 fibre, 6 m cable	94.10	4548583737600
392260	E32-L15 2M	Diffuse fiber, 50 mm stand-off, 6 mm beam spot, 2 m cable	183.30	4548583414020
392254	E32-L25	Fiber optic sensor, limited reflective, 2m cable	78.45	4548583414044
357349	E32-L25L 2M	Fiber optic sensor, limited reflective, label detection, 7mm, R10 fiber, 2m cable	128.40	4548583049093
374492	E32-T22S 2M	Fiber optic sensor, through-beam, 3mm dia head, standard R10 fiber, 2m cable	114.20	4548583336216



**Special application fiber sensor heads**

For a wide range of special applications, the task optimised fiber heads provide best fitting sensing performance and adaption to environmental requirements.

- Detection of special objects (liquids, transparent foils, etc.)
- Fiber heads ideal for colour mark detection
- Fiber heads optimised for special tasks (wafer mapping, hot reflective surface detection, etc.)

Short item number	Order code	Description	Price EUR	GTIN
671062	E32-C91N 2M	Fiber optic sensor, diffuse, M6 hex right-angled head, flexible R4 fiber, 2m cable	114.70	4548583802643
356128	E32-G14	Fiber optic sensor, through-beam, 10mm slot, 2m cable	167.20	4548583049260
374493	E32-T24S 2M	Fiber optic sensor, through-beam, 3 mm dia. side view, standard R10 fiber, 2 m cable	320.40	4548583336223



### High-performance digital fiber amplifier

The E3NX-FA amplifier is best choice for most challenging fiber applications in terms of long sensing distance, minute object detection or high speed processes.

- Easy teaching by Smart tuning within a few seconds
- New N-Smart technology provides significant improvement for sensing distance, minimum object detection and speed
- Easy and transparent information about sensor status by Solution Viewer and Change Finder function
- EtherCAT Communication unit for high-speed field bus connectivity

Short item number	Order code	Description	Price EUR	GTIN
375783	E3NX-FA0	Fiber amplifier, red LED, twin digital display, smart tuning, Fieldbus communication	196.20	4548583375222
375081	E3NX-FA11 2M	Fiber amplifier, twin digital display, smart tuning, NPN, single output, 2m cable	180.60	4548583375123
681543	E3NX-FA11AN 2M	Fiber amplifier, red LED, twin digital display, smart tuning, analog output, NPN output, 2 m cable	227.00	4549734190442
375076	E3NX-FA21 2M	Fiber amplifier, twin digital display, smart tuning, NPN, double output, external input, 2m cable	196.20	4548583375130
375075	E3NX-FA41 2M	Fiber amplifier, twin digital display, smart tuning, PNP, single output, 2m cable	180.60	4548583375147
681545	E3NX-FA41AN 2M	Fiber amplifier, red LED, twin digital display, smart tuning, analog output, PNP output, 2 m cable	227.00	4549734190459
375073	E3NX-FA51 2M	Fiber amplifier, twin digital display, smart tuning, PNP, double output, external input, 2m cable	196.20	4548583375154
378463	E3NX-FA54	Fiber amplifier, twin digital display, smart tuning, PNP, single output, external input, M8 connector	196.20	4548583424210
382424	E3NX-FA54TW	Fiber amplifier, twin digital display, smart tuning, PNP, double output, M8 connector	196.20	4548583424227
375065	E3NX-FA8	Fiber amplifier, twin digital display, smart tuning, PNP, single output, system connector	180.60	4548583375185
375068	E3NX-FA9TW	Fiber amplifier, twin digital display, smart tuning, PNP, double output, system connector	196.20	4548583375215
681542	E3NX-FAH41 2M	Fiber amplifier, infrared LED, twin digital display, smart tuning, PNP, single output, 2 m cable	160.80	4549734190404



### Smart Fiber Amplifier Units

2-channel Amplifier reduces installation space by half. Downsized Equipment and Control Panels

- The new 2 channel fiber amplifier unit has two-unit functions in the dimensions of the general one-unit, contributing to downsizing your equipment and control panels.
- Performance with highly stable detection and even two channels. From transparent objects to low-reflective workpieces.
- Easy to set the light intensity and threshold automatically.
- Wire-saving Connector models that reduce wiring work.

Short item number	Order code	Description	Price EUR	GTIN
681533	E3NX-MA11 2M	Fiber amplifier, 2 fiber input, twin digital display, smart tuning, multiple functions, 2 NPN output, 2 m cable	236.30	4548583514690
681532	E3NX-MA41 2M	Fiber amplifier, 2 fiber input, twin digital display, smart tuning, multiple functions, 2 PNP output, 2 m cable	236.30	4548583514713



### Easy-teach digital fiber amplifier

The E3X-HD with 1-button Smart tune set-up provides fast and simple teaching. Dual digital display and advanced features make the E3X-HD ideal even for demanding applications.

- Easy teaching by Smart tuning within a few seconds
- Dynamic Power Control (DPC) for highest operational stability for changing environmental conditions or challenging objects
- M8 connector models
- EtherCAT and CompoNet Communication units for high-speed field bus connectivity

Short item number	Order code	Description	Price EUR	GTIN
356808	E3X-HD0	Fiber amplifier for communication unit connection	194.00	4548583104280



### Single display digital fiber amplifier

E3X-SD allows easy one button setting and provides the best value performance ratio for standard applications.

- Auto-teaching during machine operation
- 2-point teaching within a few seconds
- Simple threshold adjustment with up/down keys

Short item number	Order code	Description	Price EUR	GTIN
340860	E3X-SD21 2M	Fiber amplifier, easy one button teach, one display, Giga ray LED, NPN, 2M	112.40	4547648809221
340861	E3X-SD51 2M	Fiber amplifier, easy one button teach, one display, Giga ray LED, PNP, 2M	112.40	4547648809238
340863	E3X-SD9	Fiber amplifier, easy one button teach, one display, Giga ray LED, PNP, connector	119.60	4547648809252



### Digital fiber amplifier with potentiometer adjustment

The E3X-NA is the ideal amplifier for standard fiber applications providing quick & easy potentiometer adjustment and bargraph display.

- Easy adjustment with potentiometer
- Mutual interference prevention
- Enhanced water resistance types

Short item number	Order code	Description	Price EUR	GTIN
239765	E3X-NA11 2M	Amplifier with potentiometer, IP50, NPN output, 2m cable	112.40	4547648358750
239773	E3X-NA11V 2M	Amplifier with potentiometer, IP66, NPN output, 2m cable	169.30	4547648358842
239766	E3X-NA41 2M	Amplifier with potentiometer, IP50, PNP output, 2m cable	112.40	4547648358767
239760	E3X-NA41V 2M	Amplifier with potentiometer, IP66, PNP output, 2m cable	166.20	4547648358859
239771	E3X-NA44V	Amplifier with potentiometer, IP66, PNP output, M8 plug-in	166.20	4547648358811
239777	E3X-NA51 2M	Photoelectric sensor, optical fibre amplifier, bar LED display, diagnostic output, DC, 3-wire, PNP, 2m cable	184.20	4547648358927
239770	E3X-NA8	Amplifier with potentiometer, IP50, PNP output, connector	96.40	4547648358804
239767	E3X-NAG11 2M	Amplifier, with potentiometer, mark detection, green LED, NPN output, 2m cable	124.90	4547648358774
239768	E3X-NAG41 2M	Amplifier, with potentiometer, mark detection, green LED, PNP output, 2m cable	112.70	4547648358781



### Fast response digital amplifier with potentiometer

The E3X-NA\_F provides a very fast response time and is the ideal amplifier for high speed detection applications.

- Short turn on time of only 20  $\mu$ s
- Easy adjustment with potentiometer

Short item number	Order code	Description	Price EUR	GTIN
239772	E3X-NA11F 2M	Fiber amplifier with potentiometer, fast response time, NPN output, 2m cable	192.60	4547648358828
239775	E3X-NA41F 2M	Fiber amplifier with potentiometer, fast response time, PNP output, 2m cable	192.60	4547648358835



### 2-in-1 digital fiber amplifier

E3X-MDA incorporates 2 digital fiber amplifiers in one slimline housing. For applications requiring the detection of two objects simultaneously the E3X-MDA provides an easy to use operation saving space and set-up time.

- Two digital amplifiers in one slimline housing
- Twin output models – on/off or area (between two threshold values)
- Signal comparison functions (AND, OR, etc.)

Short item number	Order code	Description	Price EUR	GTIN
323853	E3X-MDA11 2M	Fiber amplifier, 2 fiber input, AND/OR functions, 2 NPN output, 2m cable	276.10	4547648647281
323855	E3X-MDA41 2M	Fiber amplifier, 2 fiber input, AND/OR functions, 2 PNP output, 2m cable	276.10	4547648647304
323856	E3X-MDA8	Fiber amplifier, 2 fiber input, AND/OR functions, 2 PNP output, connector	266.50	4547648647311

## Fiber optic sensor accessories

## Fiber optic sensor accessories

Short item number	Order code	Description	Price EUR	GTIN
656850	E39-EF51	Sideview lens 90 deg for E32 fibre	146.80	4548583738010
323182	E39-F1	Long-distance lens unit for E32 through-beam fibers with M2.6 thread	45.90	4547648667876
155530	E39-F10	Connector for E32 optical fiber cable	11.21	4536853297268
305601	E39-F18	Focal lens for E32-CC200 / E32-C11N, 50mm range	192.30	4547648651134
323183	E39-F2	Focal lens, side view unit for E32 through-beam optical fibers	74.25	4547648667883
106026	E39-F32C 1M	Spiral protective tube for E32, M4, through-beam, optical fibers, 1m	56.45	4536853297381
131359	E39-F32C5 0.5M	Spiral protective tube for E32, M4, through-beam, optical fibers, 0.5m	55.15	4536853297442
131357	E39-F32D 1M	Spiral protective tube for E32, M6, diffuse, optical fibers, 1m	38.63	4536853297398
323185	E39-F3A	Small spot lens unit for E32-D32 optical fiber	107.30	4547648667937
323188	E39-F3A-5	Focus lens for E32-EC41 fiber sensor head, 7mm focus length, 0.1mm spot	85.85	4547648667968
323189	E39-F3B	Focus lens for E32-EC31 fiber sensor head, 17mm focus length, 0.5mm spot	88.85	4547648667975
131351	E39-F4	Cutter for all E32 optical fibers	3.58	4536853297169
146998	E39-F9	Fine fiber attachment for E3X amplifiers	5.91	4536853297251
130028	E39-L143	Sensor mounting Bracket, for E3X-NA, E3C-LDA, E2C-EDA	8.43	4536854537578
375785	E3NW-ECT	EtherCat communication unit for N-Smart sensors	419.70	4548583375093
336330	E3X-CN11	Connector, 3-wire cable for master amplifier, 2 m cable	14.96	4547648647717
336334	E3X-CN11 5M	Connector, 3-wire, cable for master amplifier, 5 m cable	21.29	4547648647755
336331	E3X-CN12	Connector, 1-wire cable for slave amplifier, 2m cable	13.61	4547648647724
336332	E3X-CN21	Accessory fiber amplifier, system connector for master amplifier, standard, 2M cables	20.93	4547648647731
306527	E3X-DRT21-S VER.3	Fibre amplifier sensor communication unit	498.70	4547648646987





### The ideal solution for standard industrial environments

Thanks to the simple construction and Omron's innovative "hot melt" production process, the E2B sensors embody two characteristics: value-for-money and high reliability.

- All-round-visible indicator
- The laser printed part number
- Vibration shock resistance: IEC 60947-5-2 (10 - 55 Hz)
- Operating temperature: -25°C to 70°C
- Water resistance: IP67

Short item number	Order code	Description	Price EUR	GTIN
674364	E2B-M12KN05-M1-B1	Proximity sensor, LITE, inductive, nickel-brass, short body, M12, unshielded, 5 mm, DC, 3-wire, PNP-NO, M12 plug-in	8.14	4548583549517
674338	E2B-M12KN05-WP-B1 2M	Proximity sensor, LITE, inductive, nickel-brass, short body, M12, unshielded, 5 mm, DC, 3-wire, PNP-NO, 2 m cable	7.85	4548583549432
674557	E2B-M12KN08-M1-B1	Proximity sensor, LITE, inductive, nickel-brass, short body, M12, unshielded, 8 mm, DC, 3-wire, PNP-NO, M12 plug-in	9.63	4548583549999
671224	E2B-M12KN08-M1-B1-20	Multi-pack E2B-M12KN08-M1-B1 OMS: 1 pcs. = 1 box of 20 pcs.	182.00	4548583879317
674640	E2B-M12KN08-M1-B2	Proximity sensor, LITE, inductive, nickel-brass, short body, M12, unshielded, 8 mm, DC, 3-wire, PNP-NC, M12 plug-in	9.63	4548583550018
674637	E2B-M12KN08-M1-C1	Proximity sensor, LITE, inductive, nickel-brass, short body, M12, unshielded, 8 mm, DC, 3-wire, NPN-NO, M12 plug-in	9.63	4548583550001
674571	E2B-M12KN08-WP-B1 2M	Proximity sensor, LITE, inductive, nickel-brass, short body, M12, unshielded, 8 mm, DC, 3-wire, PNP-NO, 2 m cable	9.63	4548583549913
674559	E2B-M12KN08-WP-B1 5M	Proximity sensor, LITE, inductive, nickel-brass, short body, M12, unshielded, 8 mm, DC, 3-wire, PNP-NO, 5 m cable	11.41	4548583549920
674322	E2B-M12KN08-WP-B2 2M	Proximity sensor, LITE, inductive, nickel-brass, short body, M12, unshielded, 8 mm, DC, 3-wire, PNP-NC, 2 m cable	9.63	4548583549937
674561	E2B-M12KN08-WP-C1 2M	Proximity sensor, LITE, inductive, nickel-brass, short body, M12, unshielded, 8 mm, DC, 3-wire, NPN-NO, 2 m cable	9.63	4548583549951
674680	E2B-M12KS02-M1-B1	Proximity sensor, LITE, inductive, nickel-brass, short body, M12, shielded, 2 mm, DC, 3-wire, PNP-NO, M12 plug-in	8.27	4548583549272
674327	E2B-M12KS02-WP-B1 2M	Proximity sensor, LITE, inductive, nickel-brass, short body, M12, shielded, 2 mm, DC, 3-wire, PNP-NO, 2 m cable	7.85	4548583549197
674633	E2B-M12KS04-M1-B1	Proximity sensor, LITE, inductive, nickel-brass, short body, M12, shielded, 4 mm, DC, 3-wire, PNP-NO, M12 plug-in	9.63	4548583549753
392627	E2B-M12KS04-M1-B1-20	Multi-pack E2B-M12KS04-M1-B1 OMS: 1 pcs. = 1 box of 20 pcs.	182.00	4548583552487
674624	E2B-M12KS04-M1-B2	Proximity sensor, LITE, inductive, nickel-brass, short body, M12, shielded, 4 mm, DC, 3-wire, PNP-NC, M12 plug-in	9.63	4548583549777
674524	E2B-M12KS04-M1-C1	Proximity sensor, LITE, inductive, nickel-brass, short body, M12, shielded, 4 mm, DC, 3-wire, NPN-NO, M12 plug-in	9.63	4548583549760
674479	E2B-M12KS04-M1-C2	Proximity sensor, LITE, inductive, nickel-brass, short body, M12, shielded, 4 mm, DC, 3-wire, NPN-NC, M12 plug-in	9.63	4548583549784
674414	E2B-M12KS04-WP-B1 2M	Proximity sensor, LITE, inductive, nickel-brass, short body, M12, shielded, 4 mm, DC, 3-wire, PNP-NO, 2 m cable	9.63	4548583549678
674429	E2B-M12KS04-WP-B1 5M	Proximity sensor, LITE, inductive, nickel-brass, short body, M12, shielded, 4 mm, DC, 3-wire, PNP-NO, 5 m cable	11.41	4548583549685
674573	E2B-M12KS04-WP-B2 2M	Proximity sensor, LITE, inductive, nickel-brass, short body, M12, shielded, 4 mm, DC, 3-wire, PNP-NC, 2 m cable	9.63	4548583549692
674528	E2B-M12KS04-WP-B2 5M	Proximity sensor, LITE, inductive, nickel-brass, short body, M12, shielded, 4 mm, DC, 3-wire, PNP-NC, 5 m cable	11.41	4548583549708
674459	E2B-M12KS04-WP-C1 2M	Proximity sensor, LITE, inductive, nickel-brass, short body, M12, shielded, 4 mm, DC, 3-wire, NPN-NO, 2 m cable	9.63	4548583549715
674500	E2B-M12KS04-WP-C2 2M	Proximity sensor, LITE, inductive, nickel-brass, short body, M12, shielded, 4 mm, DC, 3-wire, NPN-NC, 2 m cable	9.63	4548583549739
674481	E2B-M12LN05-M1-B1	Proximity sensor, inductive, nickel-brass, long body, M12, unshielded, 5 mm, DC, 3-wire, PNP-NO, M12 plug-in	7.85	4548583549630
674659	E2B-M12LN08-M1-B1	Proximity sensor, LITE, inductive, nickel-brass, long body, M12, unshielded, 8 mm, DC, 3-wire, PNP-NO, M12 plug-in	9.63	4548583550117
674480	E2B-M12LN08-M1-B2	Proximity sensor, LITE, inductive, nickel-brass, long body, M12, unshielded, 8 mm, DC, 3-wire, PNP-NC, M12 plug-in	9.63	4548583550131
674474	E2B-M12LN08-M1-C1	Proximity sensor, LITE, inductive, nickel-brass, long body, M12, unshielded, 8 mm, DC, 3-wire, NPN-NO, M12 plug-in	9.63	4548583550124
674533	E2B-M12LN08-WP-B1 2M	Proximity sensor, LITE, inductive, nickel-brass, long body, M12, unshielded, 8 mm, DC, 3-wire, PNP-NO, 2 m cable	9.63	4548583550032
674523	E2B-M12LN08-WP-B2 2M	Proximity sensor, inductive, nickel-brass, long body, M12, unshielded, 8 mm, DC, 3-wire, PNP-NC, 2 m Prewired	9.63	4548583550056
674522	E2B-M12LN08-WP-C1 2M	Proximity sensor, LITE, inductive, nickel-brass, long body, M12, unshielded, 8 mm, DC, 3-wire, NPN-NO, 2 m cable	9.63	4548583550070

Short item number	Order code	Description	Price EUR	GTIN
674622	E2B-M12LS02-M1-B1	Proximity sensor, LITE, inductive, nickel-brass, long body, M12, shielded, 2 mm, DC, 3-wire, PNP-NO, M12 plug-in	7.85	4548583549395
674450	E2B-M12LS02-WP-C1 2M	Proximity sensor, inductive, nickel-brass, long body, M12, shielded, 2 mm, DC, 3-wire, NPN-NO, 2 m cable	7.85	4548583549357
674527	E2B-M12LS04-M1-B1	Proximity sensor, LITE, inductive, nickel-brass, long body, M12, shielded, 4 mm, DC, 3-wire, PNP-NO, M12 plug-in	9.63	4548583549876
392628	E2B-M12LS04-M1-B1-20	Multi-pack E2B-M12LS04-M1-B1 OMS: 1 pcs. = 1 box of 20 pcs.	182.00	4548583552494
674657	E2B-M12LS04-M1-B2	Proximity sensor, LITE, inductive, nickel-brass, long body, M12, shielded, 4 mm, DC, 3-wire, PNP-NC, M12 plug-in	9.63	4548583549890
674329	E2B-M12LS04-M1-C1	Proximity sensor, LITE, inductive, nickel-brass, long body, M12, shielded, 4 mm, DC, 3-wire, NPN-NO, M12 plug-in	9.63	4548583549883
674378	E2B-M12LS04-M1-C2	Proximity sensor, inductive, nickel-brass, long body, M12, shielded, 4 mm, DC, 3-wire, NPN-NC, M12 plug-in	9.63	4548583549906
674517	E2B-M12LS04-WP-B1 2M	Proximity sensor, LITE, inductive, nickel-brass, long body, M12, shielded, 4 mm, DC, 3-wire, PNP-NO, 2 m cable	9.63	4548583549791
674316	E2B-M12LS04-WP-B1 5M	Proximity sensor, LITE, inductive, nickel-brass, long body, M12, shielded, 4 mm, DC, 3-wire, PNP-NO, 5 m Prewired	11.41	4548583549807
674472	E2B-M12LS04-WP-B2 2M	Proximity sensor, LITE, inductive, nickel-brass, long body, M12, shielded, 4 mm, DC, 3-wire, PNP-NC, 2 m cable	9.63	4548583549814
674605	E2B-M12LS04-WP-C1 2M	Proximity sensor, LITE, inductive, nickel-brass, long body, M12, shielded, 4 mm, DC, 3-wire, NPN-NO, 2 m cable	9.63	4548583549838
674331	E2B-M12LS04-WP-C2 2M	Proximity sensor, inductive, nickel-brass, long body, M12, shielded, 4 mm, DC, 3-wire, NPN-NC, 2 m cable	9.63	4548583549852
674558	E2B-M18KN10-M1-B1	Proximity sensor, LITE, inductive, nickel-brass, short body, M18, unshielded, 10 mm, DC, 3-wire, PNP-NO, M12 plug-in	12.10	4548583551190
674469	E2B-M18KN16-M1-B1	Proximity sensor, LITE, inductive, nickel-brass, short body, M18, unshielded, 16 mm, DC, 3-wire, PNP-NO, M12 plug-in	14.12	4548583551671
671226	E2B-M18KN16-M1-B1-20	Multi-pack E2B-M18KN16-M1-B1 OMS: 1 pcs. = 1 box of 20 pcs.	252.20	4548583879331
674359	E2B-M18KN16-M1-B2	Proximity sensor, LITE, inductive, nickel-brass, short body, M18, unshielded, 16 mm, DC, 3-wire, PNP-NC, M12 plug-in	14.12	4548583551695
674368	E2B-M18KN16-M1-C1	Proximity sensor, LITE, inductive, nickel-brass, short body, M18, unshielded, 16 mm, DC, 3-wire, NPN-NO, M12 plug-in	14.12	4548583551688
674614	E2B-M18KN16-WP-B1 2M	Proximity sensor, LITE, inductive, nickel-brass, short body, M18, unshielded, 16 mm, DC, 3-wire, PNP-NO, 2 m cable	14.12	4548583551596
674342	E2B-M18KN16-WP-B2 2M	Proximity sensor, LITE, inductive, nickel-brass, short body, M18, unshielded, 16 mm, DC, 3-wire, PNP-NC, 2 m cable	14.12	4548583551619
674655	E2B-M18KN16-WP-C1 2M	Proximity sensor, LITE, inductive, nickel-brass, short body, M18, unshielded, 16 mm, DC, 3-wire, NPN-NO, 2 m cable	14.12	4548583551633
674612	E2B-M18KS05-M1-B1	Proximity sensor, LITE, inductive, nickel-brass, short body, M18, shielded, 5 mm, DC, 3-wire, PNP-NO, M12 plug-in	12.10	4548583550957
674616	E2B-M18KS08-M1-B1	Proximity sensor, LITE, inductive, nickel-brass, short body, M18, shielded, 8 mm, DC, 3-wire, PNP-NO, M12 plug-in	14.12	4548583551435
392629	E2B-M18KS08-M1-B1-20	Multi-pack E2B-M18KS08-M1-B1 OMS: 1 pcs. = 1 box of 20 pcs.	252.20	4548583552500
674473	E2B-M18KS08-M1-B2	Proximity sensor, LITE, inductive, nickel-brass, short body, M18, shielded, 8 mm, DC, 3-wire, PNP-NC, M12 plug-in	14.12	4548583551459
674656	E2B-M18KS08-M1-C1	Proximity sensor, LITE, inductive, nickel-brass, short body, M18, shielded, 8 mm, DC, 3-wire, NPN-NO, M12 plug-in	14.12	4548583551442
674553	E2B-M18KS08-M1-C2	Proximity sensor, LITE, inductive, nickel-brass, short body, M18, shielded, 8 mm, DC, 3-wire, NPN-NC, M12 plug-in	14.12	4548583551466
674516	E2B-M18KS08-WP-B1 2M	Proximity sensor, LITE, inductive, nickel-brass, short body, M18, shielded, 8 mm, DC, 3-wire, PNP-NO, 2 m cable	14.12	4548583551350
674410	E2B-M18KS08-WP-B1 5M	Proximity sensor, LITE, inductive, nickel-brass, short body, M18, shielded, 8 mm, DC, 3-wire, PNP-NO, 5 m cable	16.12	4548583551367
674314	E2B-M18KS08-WP-B2 2M	Proximity sensor, LITE, inductive, nickel-brass, short body, M18, shielded, 8 mm, DC, 3-wire, PNP-NC, 2 m cable	14.12	4548583551374
674575	E2B-M18KS08-WP-C1 2M	Proximity sensor, LITE, inductive, nickel-brass, short body, M18, shielded, 8 mm, DC, 3-wire, NPN-NO, 2 m cable	14.12	4548583551398
674406	E2B-M18KS08-WP-C2 2M	Proximity sensor, LITE, inductive, nickel-brass, short body, M18, shielded, 8 mm, DC, 3-wire, NPN-NC, 2 m cable	14.12	4548583551411
674430	E2B-M18LN16-M1-B1	Proximity sensor, LITE, inductive, nickel-brass, long body, M18, unshielded, 16 mm, DC, 3-wire, PNP-NO, M12 plug-in	14.12	4548583551794
674542	E2B-M18LN16-M1-B2	Proximity sensor, inductive, nickel-brass, long body, M18, unshielded, 16 mm, DC, 3-wire, PNP-NC, M12 plug-in	14.12	4548583551817
674613	E2B-M18LN16-WP-B1 2M	Proximity sensor, LITE, inductive, nickel-brass, long body, M18, unshielded, 16 mm, DC, 3-wire, PNP-NO, 2 m cable	14.12	4548583551718
674453	E2B-M18LN16-WP-C1 2M	Proximity sensor, inductive, nickel-brass, long body, M18, unshielded, 16 mm, DC, 3-wire, NPN-NO, 2 m cable	14.12	4548583551756
674458	E2B-M18LS05-M1-B1	Proximity sensor, inductive, nickel-brass, long body, M18, shielded, 5 mm, DC, 3-wire, PNP-NO, M12 plug-in	12.10	4548583551077
674628	E2B-M18LS08-M1-B1	Proximity sensor, LITE, inductive, nickel-brass, long body, M18, shielded, 8 mm, DC, 3-wire, PNP-NO, M12 plug-in	14.12	4548583551558
674328	E2B-M18LS08-M1-B2	Proximity sensor, LITE, inductive, nickel-brass, long body, M18, shielded, 8 mm, DC, 3-wire, PNP-NC, M12 plug-in	14.12	4548583551572
674445	E2B-M18LS08-M1-C1	Proximity sensor, LITE, inductive, nickel-brass, long body, M18, shielded, 8 mm, DC, 3-wire, NPN-NO, M12 plug-in	14.12	4548583551565
674562	E2B-M18LS08-WP-B1 2M	Proximity sensor, LITE, inductive, nickel-brass, long body, M18, shielded, 8 mm, DC, 3-wire, PNP-NO, 2 m cable	14.12	4548583551473
674585	E2B-M18LS08-WP-B1 5M	Proximity sensor, inductive, nickel-brass, long body, M18, shielded, 8 mm, DC, 3-wire, PNP-NO, 5 m Prewired	16.12	4548583551480

Short item number	Order code	Description	Price EUR	GTIN
674354	E2B-M18LS08-WP-B2 2M	Proximity sensor, inductive, nickel-brass, long body, M18, shielded, 8 mm, DC, 3-wire, PNP-NC, 2 m cable	14.12	4548583551497
674567	E2B-M18LS08-WP-C1 2M	Proximity sensor, LITE, inductive, nickel-brass, long body, M18, shielded, 8 mm, DC, 3-wire, NPN-NO, 2 m cable	14.12	4548583551510
674584	E2B-M18LS08-WP-C2 2M	Proximity sensor, inductive, nickel-brass, long body, M18, shielded, 8 mm, DC, 3-wire, NPN-NC, 2 m cable	14.12	4548583551534
674397	E2B-M30KN20-M1-B1	Proximity sensor, LITE, inductive, nickel-brass, short body, M30, unshielded, 20 mm, DC, 3-wire, PNP-NO, M12 plug-in	16.65	4548583550438
674673	E2B-M30KN20-WP-B1 2M	Proximity sensor, LITE, inductive, nickel-brass, short body, M30, unshielded, 20 mm, DC, 3-wire, PNP-NO, 2 m cable	16.65	4548583550353
674493	E2B-M30KN20-WP-C1 2M	Proximity sensor, LITE, inductive, nickel-brass, short body, M30, unshielded, 20 mm, DC, 3-wire, NPN-NO, 2 m cable	16.65	4548583550391
674341	E2B-M30KS10-M1-B1	Proximity sensor, LITE, inductive, nickel-brass, short body, M30, shielded, 10 mm, DC, 3-wire, PNP-NO, M12 plug-in	16.65	4548583551916
674652	E2B-M30KS10-WP-B1 2M	Proximity sensor, LITE, inductive, nickel-brass, short body, M30, shielded, 10 mm, DC, 3-wire, PNP-NO, 2 m cable	16.65	4548583551831
674318	E2B-M30KS15-M1-B1	Proximity sensor, LITE, inductive, nickel-brass, short body, M30, shielded, 15 mm, DC, 3-wire, PNP-NO, M12 plug-in	18.88	4548583550674
674418	E2B-M30KS15-M1-B2	Proximity sensor, LITE, inductive, nickel-brass, short body, M30, shielded, 15 mm, DC, 3-wire, PNP-NC, M12 plug-in	18.88	4548583550698
674394	E2B-M30KS15-M1-C1	Proximity sensor, LITE, inductive, nickel-brass, short body, M30, shielded, 15 mm, DC, 3-wire, NPN-NO, M12 plug-in	18.88	4548583550681
674546	E2B-M30KS15-WP-B1 2M	Proximity sensor, LITE, inductive, nickel-brass, short body, M30, shielded, 15 mm, DC, 3-wire, PNP-NO, 2 m cable	18.88	4548583550599
674615	E2B-M30KS15-WP-B2 2M	Proximity sensor, LITE, inductive, nickel-brass, short body, M30, shielded, 15 mm, DC, 3-wire, PNP-NC, 2 m cable	18.88	4548583550612
674674	E2B-M30KS15-WP-C1 2M	Proximity sensor, LITE, inductive, nickel-brass, short body, M30, shielded, 15 mm, DC, 3-wire, NPN-NO, 2 m cable	18.88	4548583550636
674385	E2B-M30KS15-WP-C2 2M	Proximity sensor, LITE, inductive, nickel-brass, short body, M30, shielded, 15 mm, DC, 3-wire, NPN-NC, 2 m cable	18.88	4548583550650
674649	E2B-M30LN20-M1-B1	Proximity sensor, inductive, nickel-brass, long body, M30, unshielded, 20 mm, DC, 3-wire, PNP-NO, M12 plug-in	16.65	4548583550551
674536	E2B-M30LN30-M1-B1	Proximity sensor, LITE, inductive, nickel-brass, short body, M30, unshielded, 30 mm, DC, 3-wire, PNP-NO, M12 plug-in	18.88	4548583550919
674393	E2B-M30LN30-WP-B1 2M	Proximity sensor, LITE, inductive, nickel-brass, short body, M30, unshielded, 30 mm, DC, 3-wire, PNP-NO, 2 m cable	18.88	4548583550834
674521	E2B-M30LN30-WP-B2 2M	Proximity sensor, LITE, inductive, nickel-brass, short body, M30, unshielded, 30 mm, DC, 3-wire, PNP-NC, 2 m Prewired	18.88	4548583550858
674609	E2B-M30LN30-WP-C1 2M	Proximity sensor, LITE, inductive, nickel-brass, short body, M30, unshielded, 30 mm, DC, 3-wire, NPN-NO, 2 m cable	18.88	4548583550872
674512	E2B-M30LS15-M1-B1	Proximity sensor, LITE, inductive, nickel-brass, long body, M30, shielded, 15 mm, DC, 3-wire, PNP-NO, M12 plug-in	18.88	4548583550797
674332	E2B-M30LS15-M1-B2	Proximity sensor, inductive, nickel-brass, long body, M30, shielded, 15 mm, DC, 3-wire, PNP-NC, M12 plug-in	18.88	4548583550810
674541	E2B-M30LS15-M1-C1	Proximity sensor, inductive, nickel-brass, long body, M30, shielded, 15 mm, DC, 3-wire, NPN-NO, M12 plug-in	18.88	4548583550803
674537	E2B-M30LS15-WP-B1 2M	Proximity sensor, LITE, inductive, nickel-brass, long body, M30, shielded, 15 mm, DC, 3-wire, PNP-NO, 2 m cable	18.88	4548583550711
674574	E2B-M30LS15-WP-B2 2M	Proximity sensor, inductive, nickel-brass, long body, M30, shielded, 15 mm, DC, 3-wire, PNP-NC, 2 m cable	18.88	4548583550735
674555	E2B-M30LS15-WP-C1 2M	Proximity sensor, inductive, nickel-brass, long body, M30, shielded, 15 mm, DC, 3-wire, NPN-NO, 2 m cable	18.88	4548583550759
674678	E2B-S08KN02-MC-B1	Proximity sensor, inductive, stainless steel, short body, M8, unshielded, 2 mm, DC, 3-wire, PNP-NO, M8 plug-in	9.63	4548583548558
674518	E2B-S08KN02-WP-B1 2M	Proximity sensor, LITE, inductive, stainless steel, short body, M8, unshielded, 2 mm, DC, 3-wire, PNP-NO, 2 m cable	9.63	4548583548473
674629	E2B-S08KN04-MC-B1	Proximity sensor, LITE, inductive, stainless steel, short body, M8, unshielded, 4 mm, DC, 3-wire, PNP-NO, M8 plug-in (3 pin)	11.41	4548583549036
674494	E2B-S08KN04-MC-B2	Proximity sensor, LITE, inductive, stainless steel, short body, M8, unshielded, 4 mm, DC, 3-wire, PNP-NC, M8 plug-in (3 pin)	11.41	4548583549050
674672	E2B-S08KN04-MC-C1	Proximity sensor, LITE, inductive, stainless steel, short body, M8, unshielded, 4 mm, DC, 3-wire, NPN-NO, M8 plug-in (3 pin)	11.41	4548583549043
674604	E2B-S08KN04-WP-B1 2M	Proximity sensor, LITE, inductive, stainless steel, short body, M8, unshielded, 4 mm, DC, 3-wire, PNP-NO, 2 m cable	11.41	4548583548954
674388	E2B-S08KN04-WP-B1 5M	Proximity sensor, LITE, inductive, stainless steel, short body, M8, unshielded, 4 mm, DC, 3-wire, PNP-NO, 5 m cable	13.21	4548583548961
674323	E2B-S08KN04-WP-B2 2M	Proximity sensor, LITE, inductive, stainless steel, short body, M8, unshielded, 4 mm, DC, 3-wire, PNP-NC, 2 m cable	11.41	4548583548978
674592	E2B-S08KN04-WP-C1 2M	Proximity sensor, LITE, inductive, stainless steel, short body, M8, unshielded, 4 mm, DC, 3-wire, NPN-NO, 2 m cable	11.41	4548583548992
674421	E2B-S08KS01-MC-B1	Proximity sensor, inductive, stainless steel, short body, M8, shielded, 1 mm, DC, 3-wire, PNP-NO, M8 plug-in	9.63	4548583548312
674365	E2B-S08KS01-WP-B1 2M	Proximity sensor, LITE, inductive, stainless steel, short body, M8, shielded, 1 mm, DC, 3-wire, PNP-NO, 2 m cable	9.63	4548583548237
674396	E2B-S08KS02-MC-B1	Proximity sensor, LITE, inductive, stainless steel, short body, M8, shielded, 2 mm, DC, 3-wire, PNP-NO, M8 plug-in (3 pin)	11.41	4548583548794
392626	E2B-S08KS02-MC-B1-20	Multi-pack E2B-S08KS02-MC-B1 OMS: 1 pcs. = 1 box of 20 pcs.	227.30	4548583552470
674625	E2B-S08KS02-MC-B2	Proximity sensor, LITE, inductive, stainless steel, short body, M8, shielded, 2 mm, DC, 3-wire, PNP-NC, M8 plug-in (3 pin)	11.41	4548583548817
674606	E2B-S08KS02-MC-C1	Proximity sensor, LITE, inductive, stainless steel, short body, M8, shielded, 2 mm, DC, 3-wire, NPN-NO, M8 plug-in (3 pin)	11.41	4548583548800

Short item number	Order code	Description	Price EUR	GTIN
674576	E2B-S08KS02-WP-B1 2M	Proximity sensor, LITE, inductive, stainless steel, short body, M8, shielded, 2 mm, DC, 3-wire, PNP-NO, 2 m cable	11.41	4548583548718
674438	E2B-S08KS02-WP-B1 5M	Proximity sensor, LITE, inductive, stainless steel, short body, M8, shielded, 2 mm, DC, 3-wire, PNP-NO, 5 m cable	13.21	4548583548725
674677	E2B-S08KS02-WP-B2 2M	Proximity sensor, LITE, inductive, stainless steel, short body, M8, shielded, 2 mm, DC, 3-wire, PNP-NC, 2 m cable	11.41	4548583548732
674454	E2B-S08KS02-WP-C1 2M	Proximity sensor, LITE, inductive, stainless steel, short body, M8, shielded, 2 mm, DC, 3-wire, NPN-NO, 2 m cable	11.41	4548583548756
674611	E2B-S08KS02-WP-C2 2M	Proximity sensor, LITE, inductive, stainless steel, short body, M8, shielded, 2 mm, DC, 3-wire, NPN-NC, 2 m cable	11.41	4548583548770
674487	E2B-S08LN04-MC-B1	Proximity sensor, LITE, inductive, stainless steel, long body, M8, unshielded, 4 mm, DC, 3-wire, PNP-NO, M8 plug-in	11.41	4548583549159
674373	E2B-S08LN04-MC-B2	Proximity sensor, inductive, stainless steel, long body, M8, unshielded, 4 mm, DC, 3-wire, PNP-NC, M8 plug-in	11.41	4548583549173
674642	E2B-S08LN04-MC-C1	Proximity sensor, inductive, stainless steel, long body, M8, unshielded, 4 mm, DC, 3-wire, NPN-NO, M8 plug-in	11.41	4548583549166
674367	E2B-S08LN04-WP-B1 2M	Proximity sensor, LITE, inductive, stainless steel, long body, M8, unshielded, 4 mm, DC, 3-wire, PNP-NO, 2 m cable	11.41	4548583549074
674501	E2B-S08LN04-WP-C1 2M	Proximity sensor, inductive, stainless steel, long body, M8, unshielded, 4 mm, DC, 3-wire, NPN-NO, 2 m Prewired	11.41	4548583549111
674552	E2B-S08LS01-MC-B1	Proximity sensor, inductive, stainless steel, long body, M8, shielded, 1 mm, DC, 3-wire, PNP-NO, M8 plug-in	9.63	4548583548435
674636	E2B-S08LS02-MC-B1	Proximity sensor, LITE, inductive, stainless steel, long body, M8, shielded, 2 mm, DC, 3-wire, PNP-NO, M8 plug-in (3 pin)	11.41	4548583548916
674478	E2B-S08LS02-MC-B2	Proximity sensor, LITE, inductive, stainless steel, long body, M8, shielded, 2 mm, DC, 3-wire, PNP-NC, M8 plug-in (3 pin)	11.41	4548583548930
674608	E2B-S08LS02-MC-C1	Proximity sensor, LITE, inductive, stainless steel, long body, M8, shielded, 2 mm, DC, 3-wire, NPN-NO, M8 plug-in (3 pin)	11.41	4548583548923
674525	E2B-S08LS02-WP-B1 2M	Proximity sensor, LITE, inductive, stainless steel, long body, M8, shielded, 2 mm, DC, 3-wire, PNP-NO, 2 m cable	11.41	4548583548831
674630	E2B-S08LS02-WP-B2 2M	Proximity sensor, LITE, inductive, stainless steel, long body, M8, shielded, 2 mm, DC, 3-wire, PNP-NC, 2 m cable	11.41	4548583548855
674590	E2B-S08LS02-WP-C1 2M	Proximity sensor, LITE, inductive, stainless steel, long body, M8, shielded, 2 mm, DC, 3-wire, NPN-NO, 2 m cable	11.41	4548583548879

## E2E NEXT 3-wires

## Compact - cylindrical



### Proximity Sensor E2E NEXT 3-wire

Long-distance Detection Prevents Unexpected Facility Stoppages

- The world's longest sensing distance
- With high-brightness LED, the indicator is visible anywhere from 360°.
- Only 10 Seconds to Replace a Proximity Sensor with the "e-jig" (Mounting Sleeve).
- Cables with enhanced oil resistance enabled 2-year oil resistance
- IP69K compliant for water resistance and wash resistance
- Comes in a wide variation to make sensor selection easy
- UL and CSA certification

Short item number	Order code	Description	Price EUR	GTIN
180665	Y92E-BC12	Sensor mounting bracket, M12 size, Hinge lever type	5.05	4547648131377
180666	Y92E-BC18	Sensor mounting bracket, M18 size, Hinge lever type	8.06	4547648131384



### Proximity Sensor E2E NEXT

Long-distance Detection Prevents  
Unexpected Facility Stoppages

- The world's longest sensing distance
- Nearly double the sensing distance of previous
- With high-brightness LED, the indicator is visible anywhere from 360°.
- Only 10 Seconds to Replace a Proximity Sensor with the "e-jig" (Mounting Sleeve).
- Cables with enhanced oil resistance.

Short item number	Order code	Description	Price EUR	GTIN
681784	E2E-X20MD1L18-T 2M	Proximity sensor, inductive, brass-nickel, M18, non-shielded, 20 mm, NO, 2 m cable, DC 2-wire, no polarity	57.00	4549734182935
681658	E2E-X3D18-T 2M	Proximity sensor, inductive, brass-nickel, M8, shielded, 3 mm, NO, 2 m cable, DC 2-wire, no polarity	54.45	4549734181853
681841	E2E-X40MD1L30-T 2M	Proximity sensor, inductive, brass-nickel, M30, non-shielded, 40 mm, NO, 2 m cable, DC 2-wire, no polarity	60.35	4549734183338
681693	E2E-X7D112-M1TGJ-T 0.3M	Proximity sensor, inductive, brass-nickel, M12, shielded, 7 mm, NO, 0.3 m pig-tail, DC 2-wire, no polarity	57.80	4549734182379
681843	E2E-X7D112-T 2M	Proximity sensor, inductive, brass-nickel, M12, shielded, 7 mm, NO, 2 m cable, DC 2-wire, no polarity	53.65	4549734182294

Short item number	Order code	Description	Price EUR	GTIN
681733	Y92E-J12S18	Mounting Sleeves e-jig for M12 Prox	10.80	4549734190770
681880	Y92E-J18S30	Mounting Sleeves e-jig for M18 Prox	16.32	4549734190787



### Proximity Sensor E2EQ NEXT

Long-distance Detection Prevents Unexpected Facility Stoppages

- With spatter-resistant coating for application in welding areas
- Nearly double the sensing distance of previous
- With high-brightness LED, the indicator is visible anywhere from 360°.
- Only 10 Seconds to Replace a Proximity Sensor with the "e-jig" (Mounting Sleeve).
- Cables with enhanced oil resistance.

Short item number	Order code	Description	Price EUR	GTIN
681739	E2EQ-X3D18-T 2M	Proximity sensor, inductive, brass-nickel, Spatter-coating, M8, shielded, 3 mm, NO, 2 m cable, DC 2-wire, no polarity	85.65	4549734183499





### Extended sensing range inductive sensor in cylindrical brass housing

The high quality and the long-life design of the E2A extended sensing distance provide the best value performance ratio for standard applications.

- Extended (double) sensing distance
- IP67 and IP69k for highest water protection
- DC 3-wire (NO, NC), DC 4-wire (NO+NC)
- Wide installation and connectivity range through modular concept

Short item number	Order code	Description	Price EUR	GTIN
234948	E2A-M12KN05-M1-B1	Proximity sensor, inductive, brass-nickel, short body, M12, non-shielded, 5mm, DC, 3-wire, PNP-NO, M12 connector	35.27	4547648390422
234568	E2A-M12KN05-WP-B1 2M	Proximity sensor, inductive, brass-nickel, short body, M12, non-shielded, 5mm, DC, 3-wire, PNP-NO, 2m prewired	34.05	4547648390439
133478	E2A-M12KN08-M1-B1	Proximity sensor, inductive, brass-nickel, short body, M12, non-shielded, 8mm, DC, 3-wire, PNP-NO, M12 connector	22.82	4536854918322
671535	E2A-M12KN08-M1-B1-20	Multi-pack E2A-M12KN08-M1-B1: 1 pcs. = 1 box of 20 pcs.	366.60	4548583880771
149004	E2A-M12KN08-M1-B2	Proximity sensor, inductive, brass-nickel, short body, M12, non-shielded, 8mm, DC, 3-wire, PNP-NC, M12 connector	22.82	4536854918384
659333	E2A-M12KN08-M1-B3	Proximity sensor, inductive, nickel-brass, short body, M12, unshielded, 8mm, DC, 4-wire, PNP-Antivalent (NO or NC), M12 plug-in	37.33	4548583724266
133486	E2A-M12KN08-M1-C1	Proximity sensor, inductive, brass-nickel, short body, M12, non-shielded, 8mm, DC, 3-wire, NPN-NO, M12 connector	22.82	4536854918445
154676	E2A-M12KN08-M1-C2	Proximity sensor, inductive, brass-nickel, short body, M12, non-shielded, 8mm, DC, 3-wire, NPN-NC, M12 connector	24.50	4536854918513
168365	E2A-M12KN08-WP-B1 10M	Proximity sensor, inductive, brass-nickel, short body, M12, non-shielded, 8mm, DC, 3-wire, PNP-NO, 10m prewired	23.87	4547648031776
133538	E2A-M12KN08-WP-B1 2M	Proximity sensor, inductive, brass-nickel, short body, M12, non-shielded, 8mm, DC, 3-wire, PNP-NO, 2m prewired	22.82	4536854917745
133448	E2A-M12KN08-WP-B1 5M	Proximity sensor, inductive, brass-nickel, short body, M12, non-shielded, 8mm, DC, 3-wire, PNP-NO, 5m prewired	24.90	4536854917844
133452	E2A-M12KN08-WP-B2 2M	Proximity sensor, inductive, brass-nickel, short body, M12, non-shielded, 8mm, DC, 3-wire, PNP-NC, 2m prewired	22.82	4536854917967
154674	E2A-M12KN08-WP-C1 2M	Proximity sensor, inductive, brass-nickel, short body, M12, non-shielded, 8mm, DC, 3-wire, NPN-NO, 2m prewired	22.82	4536854918087
133470	E2A-M12KN08-WP-C2 2M	Proximity sensor, inductive, brass-nickel, short body, M12, non-shielded, 8mm, DC, 3-wire, NPN-NC, 2m prewired	29.89	4536854918209
411116	E2A-M12KN08-WP-D1 2M	Proximity sensor, inductive, brass-nickel, short body, M12, non-shielded, 8 mm, DC, 2-wire, NO, 2 m prewired	33.09	4547648096102
235819	E2A-M12KS02-M1-B1	Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 2mm, DC, 3-wire, PNP-NO, M12 connector	43.18	4547648390453
235820	E2A-M12KS02-WP-B1 2M	Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 2 mm, DC, 3-wire, PNP-NO, 2 m prewired	33.20	4547648390477
103677	E2A-M12KS04-M1-B1	Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 4mm, DC, 3-wire, PNP-NO, M12 connector	22.82	4536854918315
671541	E2A-M12KS04-M1-B1-20	Multi-pack E2A-M12KS04-M1-B1: 1 pcs. = 1 box of 20 pcs.	370.00	4548583880726
133482	E2A-M12KS04-M1-B2	Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 4mm, DC, 3-wire, PNP-NC, M12 connector	22.82	4536854918377
244372	E2A-M12KS04-M1-B3	Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 4 mm, DC, 4-wire, PNP-Antivalent (NO+NC), M12 connector	40.42	4547648525046
133485	E2A-M12KS04-M1-C1	Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 4mm, DC, 3-wire, NPN-NO, M12 connector	22.82	4536854918438
133489	E2A-M12KS04-M1-C2	Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 4mm, DC, 3-wire, NPN-NC, M12 connector	22.82	4536854918490
659309	E2A-M12KS04-M1-C3	Proximity sensor, inductive, nickel-brass, short body, M12, shielded, 4mm, DC, 4-wire, NPN-Antivalent (NO+NC), M12 plug-in	47.68	4548583724471
659194	E2A-M12KS04-M1G-D1	Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 4mm, DC, 2-wire, NO, M12 connector	39.76	4548583723078
659199	E2A-M12KS04-M5-B1	Proximity sensor, inductive, nickel-brass, short body, M12, shielded, 4 mm, DC, 3-wire, PNP-NO, M8 3 pin plug-in	43.18	4548583722958
133537	E2A-M12KS04-WP-B1 2M	Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 4mm, DC, 3-wire, PNP-NO, 2m prewired	22.82	4536854917707
133447	E2A-M12KS04-WP-B1 5M	Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 4mm, DC, 3-wire, PNP-NO, 5m prewired	25.73	4536854917820
133451	E2A-M12KS04-WP-B2 2M	Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 4 mm, DC, 3-wire, PNP-NC, 2 m prewired	22.82	4536854917950
133456	E2A-M12KS04-WP-B2 5M	Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 4 mm, DC, 3-wire, PNP-NC, 5 m prewired	24.50	4536854918018

Short item number	Order code	Description	Price EUR	GTIN
659337	E2A-M12KS04-WP-B3 2M	Proximity sensor, inductive, nickel-brass, short body, M12, shielded, 4mm, DC, 4-wire, PNP-Antivalent (NO or NC), 2m Prewired	40.42	4548583724235
133461	E2A-M12KS04-WP-C1 2M	Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 4mm, DC, 3-wire, NPN-NO, 2m prewired	22.82	4536854918070
133469	E2A-M12KS04-WP-C2 2M	Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 4mm, DC, 3-wire, NPN-NC, 2m prewired	22.82	4536854918193
659336	E2A-M12KS04-WP-C3 2M	Proximity sensor, inductive, nickel-brass, short body, M12, shielded, 4 mm, DC, 4-wire, NPN-Antivalent (NO+NC), 2 m Prewired	32.99	4548583724457
232068	E2A-M12KS04-WP-D1 2M	Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 4 mm, DC, 2 wire, NO, 2 m prewired	27.76	4547648096096
411120	E2A-M12KS04-WP-D2 2M	Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 4 mm, DC, 2 wire, NC, 2 m prewired	31.10	4547648096188
244362	E2A-M12LN05-M1-B1	Proximity sensor, inductive, brass-nickel, long body, M12, non-shielded, 5 mm, DC, 3-wire, PNP-NO, M12 connector	32.79	4547648520089
656805	E2A-M12LN05-M1-B1-TP	Proximity sensor, inductive, brass-nickel, long body, M12, non-shielded, 5 mm, DC, 3-wire, PNP-NO, M12 connector, including washer	35.27	4548583722873
133399	E2A-M12LN08-M1-B1	Proximity sensor, inductive, brass-nickel, long body, M12, non-shielded, 8mm, DC, 3-wire, PNP-NO, M12 connector	29.89	4536854950377
152246	E2A-M12LN08-M1-B2	Proximity sensor, inductive, brass-nickel, long body, M12, non-shielded, 8mm, DC, 3-wire, PNP-NC, M12 connector	25.73	4536854950384
133400	E2A-M12LN08-M1-C1	Proximity sensor, inductive, brass-nickel, long body, M12, non-shielded, 8mm, DC, 3-wire, NPN-NO, M12 connector	29.89	4536854950391
133402	E2A-M12LN08-WP-B1 2M	Proximity sensor, inductive, brass-nickel, long body, M12, non-shielded, 8mm, DC, 3-wire, PNP-NO, 2m prewired	24.90	4536854950414
133403	E2A-M12LN08-WP-B1 5M	Proximity sensor, inductive, brass-nickel, long body, M12, non-shielded, 8mm, DC, 3-wire, PNP-NO, 5m prewired	25.73	4536854950421
133405	E2A-M12LN08-WP-C1 2M	Proximity sensor, inductive, brass-nickel, long body, M12, non-shielded, 8mm, DC, 3-wire, NPN-NO, 2m prewired	24.90	4536854950452
244363	E2A-M12LS02-M1-B1	Proximity sensor, inductive, brass-nickel, long body, M12, shielded, 2 mm, DC, 3-wire, PNP-NO, M12 connector	35.27	4547648520096
155292	E2A-M12LS04-M1-B1	Proximity sensor, inductive, brass-nickel, long body, M12, shielded, 4mm, DC, 3-wire, PNP-NO, M12 connector	24.90	4536854950506
671538	E2A-M12LS04-M1-B1-20	Multi-pack E2A-M12LS04-M1-B1: 1pcs. = 1 box of 20 pcs.	395.30	4548583880733
143545	E2A-M12LS04-M1-B2	Proximity sensor, inductive, brass-nickel, long body, M12, shielded, 4mm, DC, 3-wire, PNP-NC, M12 connector	30.71	4536854950513
244373	E2A-M12LS04-M1-B3	Proximity sensor, inductive, brass-nickel, long body, M12, shielded, 4mm, DC, 4-wire, PNP-Antivalent (NO+NC), M12 connector	41.84	4547648525053
154478	E2A-M12LS04-M1-C1	Proximity sensor, inductive, brass-nickel, long body, M12, shielded, 4mm, DC, 3-wire, NPN-NO, M12 connector	24.90	4536854950520
659311	E2A-M12LS04-M1-C3	Proximity sensor, inductive, nickel-brass, long body, M12, shielded, 4 mm, DC, 4-wire, NPN-Antivalent (NO+NC), M12 plug-in	42.50	4548583724464
133409	E2A-M12LS04-WP-B1 2M	Proximity sensor, inductive, brass-nickel, long body, M12, shielded, 4mm, DC, 3-wire, PNP-NO, 2m prewired	24.90	4536854950544
133410	E2A-M12LS04-WP-B1 5M	Proximity sensor, inductive, brass-nickel, long body, M12, shielded, 4mm, DC, 3-wire, PNP-NO, 5m prewired	20.75	4536854950568
133411	E2A-M12LS04-WP-B2 2M	Proximity sensor, inductive, brass-nickel, long body, M12, shielded, 4mm, DC, 3-wire, PNP-NC, 2m prewired	26.65	4536854950575
659321	E2A-M12LS04-WP-B3 2M	Proximity sensor, inductive, nickel-brass, long body, M12, shielded, 4 mm, DC, 4-wire, PNP-Antivalent (NO+NC), 2 m cable	44.22	4548583724358
133413	E2A-M12LS04-WP-C1 2M	Proximity sensor, inductive, brass-nickel, long body, M12, shielded, 4 mm, DC, 3-wire, NPN-NO, 2 m prewired	24.90	4536854950599
411126	E2A-M12LS04-WP-D1 2M	Proximity sensor, inductive, nickel-brass, long body, M12, shielded, 4 mm, DC, 2 wire, NO, 2 m prewired	18.18	4547648096249
133479	E2A-M18KN16-M1-B1	Proximity sensor, inductive, brass-nickel, short body, M18, non-shielded, 16mm, DC, 3-wire, PNP-NO, M12 connector	29.05	4536854918346
671539	E2A-M18KN16-M1-B1-20	Multi-pack E2A-M18KN16-M1-B1: 1pcs.= 1 box of 20 pcs.	471.00	4548583880795
142538	E2A-M18KN16-M1-B2	Proximity sensor, inductive, brass-nickel, short body, M18, non-shielded, 16mm, DC, 3-wire, PNP-NC, M12 connector	33.60	4536854918407
244374	E2A-M18KN16-M1-B3	Proximity sensor, inductive, brass-nickel, short body, M18, non-shielded, 16 mm, DC, 4-wire, PNP-Antivalent (NO+NC), M12 connector	41.11	4547648525060
133487	E2A-M18KN16-M1-C1	Proximity sensor, inductive, brass-nickel, short body, M18, non-shielded, 16mm, DC, 3-wire, NPN-NO, M12 connector	29.05	4536854918469
133444	E2A-M18KN16-WP-B1 2M	Proximity sensor, inductive, brass-nickel, short body, M18, non-shielded, 16mm, DC, 3-wire, PNP-NO, 2m prewired	27.76	4536854917783
133449	E2A-M18KN16-WP-B1 5M	Proximity sensor, inductive, brass-nickel, short body, M18, non-shielded, 16mm, DC, 3-wire, PNP-NO, 5m prewired	31.10	4536854917899
133453	E2A-M18KN16-WP-B2 2M	Proximity sensor, inductive, brass-nickel, short body, M18, non-shielded, 16mm, DC, 3-wire, PNP-NC, 2m prewired	27.76	4536854917981
659328	E2A-M18KN16-WP-B3 2M	Proximity sensor, inductive, nickel-brass, short body, M18, unshielded, 16mm, DC, 4-wire, PNP-Antivalent (NO or NC), 2m Prewired	44.22	4548583724396
133463	E2A-M18KN16-WP-C1 2M	Proximity sensor, inductive, brass-nickel, short body, M18, non-shielded, 16mm, DC, 3-wire, NPN-NO, 2m prewired	27.76	4536854918100
411117	E2A-M18KN16-WP-D1 2M	Proximity sensor, inductive, brass-nickel, short body, M18, non-shielded, 16 mm, DC, 2-wire, NO, 2 m prewired	36.30	4547648096133
244367	E2A-M18KS05-M1-B1	Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 5 mm, DC, 3-wire, PNP-NO, M12 connector	47.32	4547648524995
235823	E2A-M18KS05-WP-B1 2M	Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 5mm, DC, 3-wire, PNP-NO, 2m prewired	36.30	4547648390538
143612	E2A-M18KS08-M1-B1	Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 8mm, DC, 3-wire, PNP-NO, M12 connector	29.05	4536854918339



Short item number	Order code	Description	Price EUR	GTIN
671534	E2A-M18KS08-M1-B1-20	Multi-pack E2A-M18KS08-M1-B1: 1 pcs. = 1 box of 20 pcs.	486.20	4548583880757
144793	E2A-M18KS08-M1-B2	Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 8mm, DC, 3-wire, PNP-NC, M12 connector	29.05	4536854918391
242078	E2A-M18KS08-M1-B3	Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 8mm, DC, 4-wire, PNP-Antivalent (NO+NC), M12 connector	53.90	4547648475037
152470	E2A-M18KS08-M1-C1	Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 8mm, DC, 3-wire, NPN-NO, M12 connector	29.05	4536854918452
153536	E2A-M18KS08-M1-C2	Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 8mm, DC, 3-wire, NPN-NC, M12 connector	29.05	4536854918506
659161	E2A-M18KS08-M1G-D1	Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 8mm, DC, 2-wire, NO, M12 connector	42.88	4548583723061
133539	E2A-M18KS08-WP-B1 2M	Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 8mm, DC, 3-wire, PNP-NO, 2m prewired	27.76	4536854917769
145881	E2A-M18KS08-WP-B1 5M	Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 8mm, DC, 3-wire, PNP-NO, 5m prewired	31.10	4536854917875
103675	E2A-M18KS08-WP-B2 2M	Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 8mm, DC, 3-wire, PNP-NC, 2m prewired	27.76	4536854917974
133458	E2A-M18KS08-WP-B2 5M	Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 8mm, DC, 3-wire, PNP-NC, 5m prewired	31.10	4536854918032
244361	E2A-M18KS08-WP-B3 2M	Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 8mm, DC, 4-wire, PNP-Antivalent (NO+NC), 2m prewired	44.57	4547648520072
659322	E2A-M18KS08-WP-B3 5M	Proximity sensor, inductive, nickel-brass, short body, M18, shielded, 8 mm, DC, 4-wire, PNP-antivalent (NO+NC), 2 m cable	44.57	4548583724310
133462	E2A-M18KS08-WP-C1 2M	Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 8mm, DC, 3-wire, NPN-NO, 2m prewired	27.76	4536854918094
133471	E2A-M18KS08-WP-C2 2M	Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 8mm, DC, 3-wire, NPN-NC, 2m prewired	35.27	4536854918216
232069	E2A-M18KS08-WP-D1 2M	Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 8mm, DC, 2-wire, NO, 2m prewired	33.20	4547648096126
411122	E2A-M18KS08-WP-D2 2M	Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 8 mm, DC, 2-wire, NC, 2 m prewired	31.84	4547648096201
133417	E2A-M18LN16-M1-B1	Proximity sensor, inductive, brass-nickel, long body, M18, non-shielded, 16mm, DC, 3-wire, PNP-NO, M12 connector	33.60	4536854950636
144580	E2A-M18LN16-M1-B2	Proximity sensor, inductive, brass-nickel, long body, M18, non-shielded, 16mm, DC, 3-wire, PNP-NC, M12 connector	29.89	4536854950643
659330	E2A-M18LN16-M1-B3	Proximity sensor, inductive, nickel-brass, long body, M18, unshielded, 16 mm, DC, 4-wire, PNP-Antivalent (NO+NC), M12 plug-in	39.76	4548583724273
133418	E2A-M18LN16-M1-C1	Proximity sensor, inductive, brass-nickel, long body, M18, non-shielded, 16mm, DC, 3-wire, NPN-NO, M12 connector	33.60	4536854950650
149970	E2A-M18LN16-WP-B1 2M	Proximity sensor, inductive, brass-nickel, long body, M18, non-shielded, 16mm, DC, 3-wire, PNP-NO, 2m prewired	30.82	4536854950674
103537	E2A-M18LN16-WP-B2 2M	Proximity sensor, inductive, brass-nickel, long body, M18, non-shielded, 16 mm, DC, 3-wire, PNP-NC, 2 m cable	32.15	4536854950698
133422	E2A-M18LN16-WP-C1 2M	Proximity sensor, inductive, brass-nickel, long body, M18, non-shielded, 16mm, DC, 3-wire, NPN-NO, 2m prewired	30.82	4536854950711
104288	E2A-M18LS08-M1-B1	Proximity sensor, inductive, brass-nickel, long body, M18, shielded, 8mm, DC, 3-wire, PNP-NO, M12 connector	34.96	4536854950759
146851	E2A-M18LS08-M1-B2	Proximity sensor, inductive, brass-nickel, long body, M18, shielded, 8mm, DC, 3-wire, PNP-NC, M12 connector	37.67	4536854950766
244375	E2A-M18LS08-M1-B3	Proximity sensor, inductive, brass-nickel, long body, M18, shielded, 8mm, DC, 4-wire, PNP-Antivalent (NO+NC), M12 connector	47.32	4547648525077
133425	E2A-M18LS08-M1-C1	Proximity sensor, inductive, brass-nickel, long body, M18, shielded, 8mm, DC, 3-wire, NPN-NO, M12 connector	34.96	4536854950773
133427	E2A-M18LS08-WP-B1 2M	Proximity sensor, inductive, brass-nickel, long body, M18, shielded, 8mm, DC, 3-wire, PNP-NO, 2m prewired	30.33	4536854950797
133428	E2A-M18LS08-WP-B1 5M	Proximity sensor, inductive, brass-nickel, long body, M18, shielded, 8mm, DC, 3-wire, PNP-NO, 5m prewired	33.60	4536854950803
133429	E2A-M18LS08-WP-B2 2M	Proximity sensor, inductive, brass-nickel, long body, M18, shielded, 8mm, DC, 3-wire, PNP-NC, 2m prewired	45.62	4536854950810
659306	E2A-M18LS08-WP-B3 2M	Proximity sensor, inductive, nickel-brass, long body, M18, shielded, 8 mm, DC, 4-wire, PNP-Antivalent (NO+NC), 2 m cable	37.84	4548583724372
133431	E2A-M18LS08-WP-C1 2M	Proximity sensor, inductive, brass-nickel, long body, M18, shielded, 8 mm, DC, 3-wire, NPN-NO, 2 m prewired	30.33	4536854950834
411128	E2A-M18LS08-WP-D1 2M	Proximity sensor, inductive, brass-nickel, long body, M18, shielded, 8 mm, DC, 2 wire, NO, 2 m prewired	36.30	4547648096263
667328	E2A-M18LS08-WS-B1-M01	Prox M18, 8 mm, shield, PNP with circular plug connector for Automotive industry...Replacement for TL-X8MF1-M01	58.75	4548583033085
145919	E2A-M30KN20-M1-B1	Proximity sensor, inductive, brass-nickel, short body, M30, non-shielded, 20mm, DC, 3-wire, PNP-NO, M12 connector	41.11	4536854939136
153444	E2A-M30KN20-M1-C1	Proximity sensor, inductive, brass-nickel, short body, M30, non-shielded, 20mm, DC, 3-wire, NPN-NO, M12 connector	41.11	4536854939112
133397	E2A-M30KN20-WP-B1 2M	Proximity sensor, inductive, brass-nickel, short body, M30, non-shielded, 20mm, DC, 3-wire, PNP-NO, 2m prewired	37.33	4536854939051
147933	E2A-M30KN20-WP-B2 2M	Proximity sensor, inductive, brass-nickel, short body, M30, non-shielded, 20 mm, DC, 3-wire, PNP-NC, 2 m cable	37.67	4536854939044
133396	E2A-M30KN20-WP-C1 2M	Proximity sensor, inductive, brass-nickel, short body, M30, non-shielded, 20 mm, DC, 3-wire, NPN-NO, 2 m prewired	37.33	4536854939037
133480	E2A-M30KS15-M1-B1	Proximity sensor, inductive, brass-nickel, short body, M30, shielded, 15mm, DC, 3-wire, PNP-NO, M12 connector	41.49	4536854918353
133483	E2A-M30KS15-M1-B2	Proximity sensor, inductive, brass-nickel, short body, M30, shielded, 15mm, DC, 3-wire, PNP-NC, M12 connector	41.11	4536854918414

Short item number	Order code	Description	Price EUR	GTIN
244376	E2A-M30KS15-M1-B3	Proximity sensor, inductive, brass-nickel, short body, M30, shielded, 15mm, DC, 4-wire, PNP-Antivalent (NO+NC), M12 connector	54.65	4547648525084
143613	E2A-M30KS15-M1-C1	Proximity sensor, inductive, brass-nickel, short body, M30, shielded, 15mm, DC, 3-wire, NPN-NO, M12 connector	41.49	4536854918476
133445	E2A-M30KS15-WP-B1 2M	Proximity sensor, inductive, brass-nickel, short body, M30, shielded, 15mm, DC, 3-wire, PNP-NO, 2m prewired	37.33	4536854917790
133450	E2A-M30KS15-WP-B1 5M	Proximity sensor, inductive, brass-nickel, short body, M30, shielded, 15mm, DC, 3-wire, PNP-NO, 5m prewired	39.76	4536854917912
133454	E2A-M30KS15-WP-B2 2M	Proximity sensor, inductive, brass-nickel, short body, M30, shielded, 15 mm, DC, 3-wire, PNP-NC, 2 m prewired	40.10	4536854917998
659304	E2A-M30KS15-WP-B3 2M	Proximity sensor, inductive, nickel-brass, short body, M30, shielded, 15 mm, DC, 4-wire, PNP-Antivalent (NO+NC), 2 m cable	51.85	4548583724402
133464	E2A-M30KS15-WP-C1 2M	Proximity sensor, inductive, brass-nickel, short body, M30, shielded, 15 mm, DC, 3-wire, NPN-NO, 2 m prewired	37.33	4536854918117
411118	E2A-M30KS15-WP-D1 2M	Proximity sensor, inductive, brass-nickel, short body, M30, shielded, 15 mm, DC, 2-wire, NO, 2 m prewired	43.18	4547648096164
133481	E2A-M30LN30-M1-B1	Proximity sensor, inductive, brass-nickel, long body, M30, non-shielded, 30mm, DC, 3-wire, PNP-NO, M12 connector	44.57	4536854918360
133484	E2A-M30LN30-M1-B2	Proximity sensor, inductive, brass-nickel, long body, M30, non-shielded, 30 mm, DC, 3-wire, PNP-NC, M12 plug-in	43.89	4536854918421
133446	E2A-M30LN30-WP-B1 2M	Proximity sensor, inductive, brass-nickel, long body, M30, non-shielded, 30mm, DC, 3-wire, PNP-NO, 2m prewired	40.42	4536854917813
133455	E2A-M30LN30-WP-B2 2M	Proximity sensor, inductive, brass-nickel, long body, M30, non-shielded, 30 mm, DC, 3-wire, PNP-NC, 2 m cable	36.65	4536854918001
144792	E2A-M30LN30-WP-C1 2M	Proximity sensor, inductive, brass-nickel, long body, M30, non-shielded, 30 mm, DC, 3-wire, NPN-NO, 2 m prewired	40.42	4536854918124
133433	E2A-M30LS15-M1-B1	Proximity sensor, inductive, brass-nickel, long body, M30, shielded, 15mm, DC, 3-wire, PNP-NO, M12 connector	44.57	4536854950872
244377	E2A-M30LS15-M1-B3	Proximity sensor, inductive, brass-nickel, long body, M30, shielded, 15mm, DC, 4-wire, PNP-Antivalent (NO+NC), M12 connector	70.50	4547648525091
142327	E2A-M30LS15-WP-B1 2M	Proximity sensor, inductive, brass-nickel, long body, M30, shielded, 15mm, DC, 3-wire, PNP-NO, 2m prewired	41.49	4536854950919
133437	E2A-M30LS15-WP-B1 5M	Proximity sensor, inductive, brass-nickel, long body, M30, shielded, 15mm, DC, 3-wire, PNP-NO, 5m prewired	40.42	4536854950926
133438	E2A-M30LS15-WP-B2 2M	Proximity sensor, inductive, brass-nickel, long body, M30, shielded, 15mm, DC, 3-wire, PNP-NC, 2m prewired	40.10	4536854950933
659338	E2A-M30LS15-WP-B3 2M	Proximity sensor, inductive, nickel-brass, long body, M30, shielded, 15 mm, DC, 4-wire, PNP-Antivalent (NC+NO), 2 m cable	52.85	4548583724280
242077	E2A-M30LS15-WP-B3 5M	Proximity sensor, inductive, brass-nickel, long body, M30, shielded, 15 mm, DC, 4-wire, PNP-Antivalent (NO+NC), 5 m prewired	72.25	4547648475020
133440	E2A-M30LS15-WP-C1 2M	Proximity sensor, inductive, nickel-brass, long body, M30, shielded, 15mm, DC, 3-wire, NPN-NO, 2m cable	41.49	4536854950957
411136	E2A-M30LS15-WP-D2 2M	Proximity sensor, inductive, nickel-brass, long body, M30, shielded, 15mm, DC, 2 wire, NC, 2m prewired	45.21	4547648096348



### Extended sensing range inductive sensor in cylindrical stainless steel housing

The performance and operational reliability of the E2A family is also available in stainless steel housing.

- Stainless steel housing (SUS 303)

Short item number	Order code	Description	Price EUR	GTIN
183917	E2A-S08KN04-M1-B1	Proximity sensor, inductive, stainless steel, short body, M8, non-shielded, 4mm, DC, 3-wire, PNP-NO, M12 connector	34.05	4547648162456
401325	E2A-S08KN04-M1-B2	Proximity sensor, inductive, stainless steel, short body, M8, non-shielded, 4 mm, DC, 3-wire, PNP-NC, M12 connector	31.21	4547648162463
239506	E2A-S08KN04-M1-C1	Proximity sensor, inductive, stainless steel, short body, M8, non-shielded, 4mm, DC, 3-wire, NPN-NO, M12 connector	34.05	4547648149266
659185	E2A-S08KN04-M3-B1	Proximity sensor, inductive, stainless steel, short body, M8, unshielded, 4mm, DC, 3-wire, PNP-NO, M8 plug-in	45.62	4548583723542
183894	E2A-S08KN04-M5-B1	Proximity sensor, inductive, stainless steel, short body, M8, non-shielded, 4mm, DC, 3-wire, PNP-NO, M8 connector	40.42	4547648149273
401326	E2A-S08KN04-M5-B2	Proximity sensor, inductive, stainless steel, short body, M8, non-shielded, 4 mm, DC, 3-wire, PNP-NC, M8 connector	31.21	4547648162487
183921	E2A-S08KN04-M5-C1	Proximity sensor, inductive, stainless steel, short body, M8, non-shielded, 4mm, DC, 3-wire, NPN-NO, M8 connector	40.42	4547648162968
183895	E2A-S08KN04-WP-B1 2M	Proximity sensor, inductive, stainless steel, short body, M8, non-shielded, 4mm, DC, 3-wire, PNP-NO, 2m prewired	26.97	4547648149280
401327	E2A-S08KN04-WP-B1 5M	Proximity sensor, inductive, stainless steel, short body, M8, non-shielded, 4 mm, DC, 3-wire, PNP-NO, 5 m prewired	32.13	4547648162500
401328	E2A-S08KN04-WP-B2 2M	Proximity sensor, inductive, stainless steel, short body, M8, non-shielded, 4 mm, DC, 3-wire, PNP-NC, 2 m prewired	31.21	4547648162517
183926	E2A-S08KN04-WP-C1 2M	Proximity sensor, inductive, stainless steel, short body, M8, non-shielded, 4mm, DC, 3-wire, NPN-NO, 2m prewired	26.97	4547648162531
659196	E2A-S08KN04-WP-D1 2M	Proximity sensor, inductive, stainless steel, M8, unshielded, 4mm, DC, 2 wire, 2m prewired	32.79	4548583723580
237659	E2A-S08KS01-M3-B1-TP	Proximity sensor, inductive, stainless steel, short body, M8, shielded, 1 mm, DC, 3-wire, PNP-NO, M8 connector (4 pin), including washer	36.11	4547648437226
232413	E2A-S08KS01-WP-B1-TP 5M	Proximity sensor, inductive, stainless steel, short body, M8, shielded, 1 mm, DC, 3-wire, PNP-NO, 5 m prewired, including washer	33.20	4547648340588
183896	E2A-S08KS02-M1-B1	Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2mm, DC, 3-wire, PNP-NO, M12 connector	29.05	4547648149297
183930	E2A-S08KS02-M1-B2	Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2mm, DC, 3-wire, PNP-NC, M12 connector	29.05	4547648162579
183931	E2A-S08KS02-M1-C1	Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2mm, DC, 3-wire, NPN-NO, M12 connector	29.05	4547648162586
406771	E2A-S08KS02-M1-C2	Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2mm, DC, 3-wire, NPN-NC, M12 connector	29.05	4547648162593
242079	E2A-S08KS02-M3-B1	Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2mm, DC, 3-wire, PNP-NO, M8 connector (4 pin)	33.60	4547648475044
659227	E2A-S08KS02-M3-C1	Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2 mm, DC, 3-wire, NPN-NO, M8 4-pin plug-in	33.64	4548583723511
183933	E2A-S08KS02-M5-B1	Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2mm, DC, 3-wire, PNP-NO, M8 connector (3 pin)	33.60	4547648162609
183934	E2A-S08KS02-M5-B2	Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2mm, DC, 3-wire, PNP-NC, M8 connector (3 pin)	32.35	4547648162616
183897	E2A-S08KS02-M5-C1	Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2mm, DC, 3-wire, NPN-NO, M8 connector (3 pin)	33.60	4547648149303
183936	E2A-S08KS02-WP-B1 2M	Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2 mm, DC, 3-wire, PNP-NO, 2 m prewired	22.82	4547648162630
183937	E2A-S08KS02-WP-B1 5M	Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2 mm, DC, 3-wire, PNP-NO, 5 m prewired	22.82	4547648162647
183938	E2A-S08KS02-WP-B2 2M	Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2mm, DC, 3-wire, PNP-NC, 2m prewired	22.82	4547648162654
401329	E2A-S08KS02-WP-B2 5M	Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2 mm, DC, 3-wire, PNP-NC, 5 m prewired	32.13	4547648162661
183898	E2A-S08KS02-WP-C1 2M	Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2mm, DC, 3-wire, NPN-NO, 2m prewired	22.82	4547648149327
183941	E2A-S08KS02-WP-C2 2M	Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2mm, DC, 3-wire, NPN-NC, 2m prewired	22.82	4547648162685

Short item number	Order code	Description	Price EUR	GTIN
656810	E2A-S08KS02-WP-D1 2M	Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2 mm, DC, 2-wire, NO, 2 m prewired	32.79	4548583722910
658911	E2A-S08KS02-WP-D2 2M	Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2mm, DC, 2-wire, NC, 2m prewired	37.67	4548583722996
183899	E2A-S08LN04-M1-B1	Proximity sensor, inductive, stainless steel, long body, M8, non-shielded, 4mm, DC, 3-wire, PNP-NO, M12 connector	39.76	4547648149334
406773	E2A-S08LN04-M1-C1	Proximity sensor, inductive, stainless steel, long body, M8, non-shielded, 4 mm, DC, 3-wire, NPN-NO, M12 plug-in	39.76	4547648162715
183946	E2A-S08LN04-M5-B1	Proximity sensor, inductive, stainless steel, long body, M8, non-shielded, 4mm, DC, 3-wire, PNP-NO, M8 connector(3 pin)	34.05	4547648162739
183900	E2A-S08LN04-M5-C1	Proximity sensor, inductive, stainless steel, long body, M8, non-shielded, 4mm, DC, 3-wire, NPN-NO, M8 connector(3 pin)	34.05	4547648149341
183949	E2A-S08LN04-WP-B1 2M	Proximity sensor, inductive, stainless steel, long body, M8, non-shielded, 4mm, DC, 3-wire, PNP-NO, 2m prewired	32.35	4547648162760
401324	E2A-S08LN04-WP-C1 2M	Proximity sensor, inductive, stainless steel, long body, M8, non-shielded, 4 mm, DC, 3-wire, NPN-NO, 2 m prewired	32.35	4547648149358
183956	E2A-S08LS02-M1-B1	Proximity sensor, inductive, stainless steel, long body, M8, shielded, 2mm, DC, 3-wire, PNP-NO, M12 connector	32.35	4547648162838
232023	E2A-S08LS02-M1-B2	Proximity sensor, inductive, stainless steel, long body, M8, shielded, 2mm, DC, 3-wire, PNP-NC, M12 connector	35.27	4547648162845
232019	E2A-S08LS02-M1-C1	Proximity sensor, inductive, stainless steel, long body, M8, shielded, 2mm, DC, 3-wire, NPN-NO, M12 connector	32.35	4547648149365
659342	E2A-S08LS02-M3-B3	Proximity sensor, inductive, stainless steel, long body, M8, shielded, 2 mm, DC, 4-wire, PNP-Antivalent (NO+NC), M8 4pin plug-in	77.05	4548583724907
183903	E2A-S08LS02-M5-B1	Proximity sensor, inductive, stainless steel, long body, M8, shielded, 2mm, DC, 3-wire, PNP-NO, M8 connector (3 pin)	33.60	4547648149372
183959	E2A-S08LS02-M5-B2	Proximity sensor, inductive, stainless steel, long body, M8, shielded, 2mm, DC, 3-wire, PNP-NC, M8 connector (3 pin)	32.79	4547648162869
183960	E2A-S08LS02-M5-C1	Proximity sensor, inductive, stainless steel, long body, M8, shielded, 2mm, DC, 3-wire, NPN-NO, M8 connector (3 pin)	33.60	4547648162876
183904	E2A-S08LS02-WP-B1 2M	Proximity sensor, inductive, stainless steel, long body, M8, shielded, 2mm, DC, 3-wire, PNP-NO, 2m prewired	30.33	4547648149389
401330	E2A-S08LS02-WP-B1 5M	Proximity sensor, inductive, stainless steel, long body, M8, shielded, 2 mm, DC, 3-wire, PNP-NO, 5 m prewired	32.13	4547648162890
243967	E2A-S08LS02-WP-B2 2M	Proximity sensor, inductive, stainless steel, long body, M8, shielded, 2mm, DC, 3-wire, PNP-NC, 2m prewired	30.33	4547648162906
183965	E2A-S08LS02-WP-C1 2M	Proximity sensor, inductive, stainless steel, long body, M8, shielded, 2mm, DC, 3-wire, NPN-NO, 2m prewired	30.33	4547648162920
411139	E2A-S12KN08-M1-B1	Proximity sensor, inductive, stainless steel, short body, M12, non-shielded, 8 mm, DC, 3-wire, PNP-NO, M12 connector	35.73	4548583130456
242075	E2A-S12KN08-WP-B1 2M	Proximity sensor, inductive, stainless steel, short body, M12, non-shielded, 8 mm, DC, 3-wire, PNP-NO, 2m prewired	39.76	4547648475082
351403	E2A-S12KS04-M1-B1	Proximity sensor, inductive, stainless steel, short body, M12, shielded, 4mm, DC, 3-wire, PNP-NO, M12 connector	30.44	4548583020894
656802	E2A-S12KS04-M1-C1	Proximity sensor, inductive, stainless steel, short body, M12, shielded, 4 mm, DC, 3-wire, NPN-NO, M12 connector	55.00	4548583722835
341512	E2A-S12KS04-WP-B1 2M	Proximity sensor, inductive, stainless steel, short body, M12, shielded, 4mm, DC, 3-wire, PNP-NO, 2m prewired	29.40	4548583004917
659215	E2A-S12KS04-WP-B1 5M	Proximity sensor, inductive, stainless steel	35.53	4548583723047
168903	E2A-S18KN16-M1-B1	Proximity sensor, inductive, stainless steel, short body, M18, non-shielded, 16mm, DC, 3-wire, PNP-NO, M12 connector	55.40	4547648048613
168902	E2A-S18KS08-M1-B1	Proximity sensor, inductive, stainless steel, short body, M18, shielded, 8mm, DC, 3-wire, PNP-NO, M12 connector	63.55	4547648048606
658904	E2A-S18KS08-WP-B1 2M	Proximity sensor, inductive, stainless steel, short body, M18, shielded, 8 mm, DC, 3-wire, PNP-NO, 2 m prewired	45.61	4548583722989
659313	E2A-S18KS08-WP-B3 10M	Proximity sensor, inductive, stainless steel, short body, M18, shielded, 8 mm, DC, 4-wire, PNP-Antivalent (NO+NC), 10 m cable	65.00	4548583724778
658907	E2A-S18LS08-M1-B1	Proximity sensor, inductive, stainless steel, long body, M18, shielded, 8 mm, DC, 3-wire, PNP-NO, M12 connector	55.00	4548583722941
168904	E2A-S30KS15-M1-B1	Proximity sensor, inductive, stainless steel, short body, M30, shielded, 15mm, DC, 3-wire, PNP-NO, M12 plug-in	60.45	4547648048620



### Long (triple) distance inductive sensor in cylindrical brass housing

The E2A3 family features an optimised sensing performance to achieve triple sensing distance for flush mounting requirements.

- Triple distance for enhanced sensor protection from mechanical damage
- IP67 and IP69k

Short item number	Order code	Description	Price EUR	GTIN
183127	E2A3-M12KS06-M1-B1	Proximity sensor, inductive, triple distance, brass-nickel, short body, M12, shielded, 6mm, DC, 3-wire, PNP-NO, M12 plug-in	87.75	4547648140126
183129	E2A3-M12KS06-M1-C1	Proximity sensor, inductive, triple distance, brass-nickel, short body, M12, shielded, 6mm, DC, 3-wire, NPN-NO, M12 plug-in	87.75	4547648140140
183115	E2A3-M12KS06-WP-B1 2M	Proximity sensor, inductive, triple distance, brass-nickel, short body, M12, shielded, 6mm, DC, 3-wire, PNP-NO, 2m prewired	85.00	4547648140003
183131	E2A3-M18KS11-M1-B1	Proximity sensor, inductive, triple distance, brass-nickel, short body, M18, shielded, 11mm, DC, 3-wire, PNP-NO, M12 plug-in	104.50	4547648140164
183133	E2A3-M18KS11-M1-C1	Proximity sensor, inductive, triple distance, brass-nickel, short body, M18, shielded, 11mm, DC, 3-wire, NPN-NO, M12 plug-in	104.50	4547648140188
183134	E2A3-M18KS11-M1-C2	Proximity sensor, inductive, triple distance, brass-nickel, short body, M18, shielded, 11mm, DC, 3-wire, NPN-NC, M12 plug-in	104.50	4547648140195
183119	E2A3-M18KS11-WP-B1 2M	Proximity sensor, inductive, triple distance, brass-nickel, short body, M18, shielded, 11mm, DC, 3-wire, PNP-NO, 2m prewired	91.65	4547648140041
183135	E2A3-M30KS20-M1-B1	Proximity sensor, inductive, triple distance, brass-nickel, short body, M30, shielded, 20mm, DC, 3-wire, PNP-NO, M12 plug-in	114.00	4547648140201
183123	E2A3-M30KS20-WP-B1 2M	Proximity sensor, inductive, triple distance, brass-nickel, short body, M30, shielded, 20mm, DC, 3-wire, PNP-NO, 2m prewired	114.00	4547648140089
183143	E2A3-S08KS03-M1-B1	Proximity sensor, inductive, triple distance, stainless steel, short body, M8, shielded, 3mm, DC, 3-wire, PNP-NO, M12 plug-in	72.60	4547648150132
183147	E2A3-S08KS03-M5-B1	Proximity sensor, inductive, triple distance, stainless steel, short body, M8, shielded, 3mm, DC, 3-wire, PNP-NO, M8 plug-in (3 pin)	72.60	4547648150194
183139	E2A3-S08KS03-WP-B1 2M	Proximity sensor, inductive, triple distance, stainless steel, short body, M8, shielded, 3mm, DC, 3-wire, PNP-NO, 2m prewired	72.15	4547648150095

Small diameter proximity sensors for high precision detection



Omron's latest inductive technology has now been applied to a new range of small diameter inductive sensors. The new μPROX E2E provides precision detection and allows installation in even the most confined spaces. The portfolio has been extended to include non-shielded types and versions with pig-tail connector leads.

- Miniature size: 3, 4, 6.5 mm and M4, M5 diameters
- High frequency of 5 kHz: suitable for high-speed counting
- All sizes are also available as non-shielded types
- IP67 water ingress protection
- Highly visible indicators for easy operation confirmation

Short item number	Order code	Description	Price EUR	GTIN
375544	E2E-C03N02-WC-B1 2M	Proximity sensor, inductive, Dia 3mm, Non-Shielded, 2mm, DC, 3-wire, PW, PNP NO	86.00	4548583405509
375480	E2E-C03SR8-CJ-B1 0.3M	Proximity sensor, inductive, Dia 3mm, Shielded, 0.8mm, DC, 3-wire, Pig-Tail, PNP NO	65.65	4548583405462
375541	E2E-C03SR8-WC-B1 2M	Proximity sensor, inductive, Dia 3mm, Shielded, 0.8mm, DC, 3-wire, PW, PNP NO	55.35	4548583405424
375542	E2E-C03SR8-WC-C1 2M	Proximity sensor, inductive, Dia 3mm, Shielded, 0.8mm, DC, 3-wire, PW, NPN NO	55.35	4548583405448
375561	E2E-C04N03-WC-B1 2M	Proximity sensor, inductive, Dia 4mm, Non-Shielded, 3mm, DC, 3-wire, PW, PNP NO	55.35	4548583405868
375557	E2E-C04S12-CJ-B1 0.3M	Proximity sensor, inductive, Dia 4mm, Shielded, 1.2mm, DC, 3-wire, Pig-Tail, PNP NO	45.32	4548583405783
375559	E2E-C04S12-MC-B1	Proximity sensor, inductive, Dia 4mm, Shielded, 1.2mm, DC, 3-wire, M8(3P), PNP NO	40.30	4548583405820
375554	E2E-C04S12-WC-B1 2M	Proximity sensor, inductive, Dia 4mm, Shielded, 1.2mm, DC, 3-wire, PW, PNP NO	35.37	4548583405745
382448	E2E-C04S12-WC-B1 5M	Proximity sensor, inductive, Dia 4mm, Shielded, 1.2mm, DC, 3-wire, PW 5m, PNP NO	33.99	4548583498037
375497	E2E-C04S12-WC-B2 2M	Proximity sensor, inductive, Dia 4mm, Shielded, 1.2mm, DC, 3-wire, PW, PNP NC	35.37	4548583405752
375555	E2E-C04S12-WC-C1 2M	Proximity sensor, inductive, Dia 4mm, Shielded, 1.2mm, DC, 3-wire, PW, NPN NO	35.37	4548583405769
659356	E2E-C05S01-WC-B1 2M	Proximity sensor, inductive, Dia 5.4 mm, Shielded, 1.0 mm, DC, 3-wire, PW 2M, PNP NO	36.31	4548583518780
659355	E2E-C05S01-WC-C1 2M	Proximity sensor, inductive, Dia 5.4 mm, Shielded, 1.0 mm, DC, 3-wire, PW 2M, NPN NO	36.31	4548583518742
375537	E2E-C06N04-MC-B1	Proximity sensor, inductive, Dia 6.5mm, Non-Shielded, 4mm, DC, 3-wire, M8(3P), PNP NO	61.00	4548583406421
375580	E2E-C06N04-WC-B1 2M	Proximity sensor, inductive, Dia 6.5mm, Non-Shielded, 4mm, DC, 3-wire, PW, PNP NO	55.35	4548583406346
375578	E2E-C06S02-MC-B1	Proximity sensor, inductive, Dia 6.5mm, Shielded, 2mm, DC, 3-wire, M8(3P), PNP NO	40.30	4548583406308
375573	E2E-C06S02-WC-B1 2M	Proximity sensor, inductive, Dia 6.5mm, Shielded, 2mm, DC, 3-wire, PW, PNP NO	35.37	4548583406223
375552	E2E-S04N02-WC-B1 2M	Proximity sensor, inductive, M4, Non-Shielded, 2mm, DC, 3-wire, PW, PNP NO	86.00	4548583405660
375550	E2E-S04SR8-CJ-B1 0.3M	Proximity sensor, inductive, M4, Shielded, 0.8mm, DC, 3-wire, Pig-Tail, PNP NO	65.65	4548583405622
375546	E2E-S04SR8-WC-B1 2M	Proximity sensor, inductive, M4, Shielded, 0.8mm, DC, 3-wire, PW, PNP NO	55.35	4548583405585
375547	E2E-S04SR8-WC-B2 2M	Proximity sensor, inductive, M4, Shielded, 0.8mm, DC, 3-wire, PW, PNP NC	55.35	4548583405592
375548	E2E-S04SR8-WC-C1 2M	Proximity sensor, inductive, M4, Shielded, 0.8mm, DC, 3-wire, PW, NPN NO	55.35	4548583405608
375518	E2E-S05N03-CJ-B1 0.3M	Proximity sensor, inductive, M5, Non-Shielded, 3mm, DC, 3-wire, Pig-Tail, PNP NO	65.65	4548583406148
375522	E2E-S05N03-MC-B1	Proximity sensor, inductive, M5, Non-Shielded, 3mm, DC, 3-wire, M8(3P), PNP NO	61.00	4548583406186
375571	E2E-S05N03-WC-B1 2M	Proximity sensor, inductive, M5, Non-Shielded, 3mm, DC, 3-wire, PW, PNP NO	55.35	4548583406100
375572	E2E-S05N03-WC-C1 2M	Proximity sensor, inductive, M5, Non-Shielded, 3mm, DC, 3-wire, PW, NPN NO	55.35	4548583406124
375567	E2E-S05S12-CJ-B1 0.3M	Proximity sensor, inductive, M5, Shielded, 1.2mm, DC, 3-wire, Pig-Tail, PNP NO	45.32	4548583406025
375569	E2E-S05S12-MC-B1	Proximity sensor, inductive, M5, Shielded, 1.2mm, DC, 3-wire, M8(3P), PNP NO	40.30	4548583406063
375514	E2E-S05S12-MC-B2	Proximity sensor, inductive, M5, Shielded, 1.2mm, DC, 3-wire, M8(3P), PNP NC	40.30	4548583406070
375570	E2E-S05S12-MC-C1	Proximity sensor, inductive, M5, Shielded, 1.2mm, DC, 3-wire, M8(3P), NPN NO	40.30	4548583406087
375563	E2E-S05S12-WC-B1 2M	Proximity sensor, inductive, M5, Shielded, 1.2mm, DC, 3-wire, PW, PNP NO	35.37	4548583405981
375564	E2E-S05S12-WC-B2 2M	Proximity sensor, inductive, M5, Shielded, 1.2mm, DC, 3-wire, PW, PNP NC	35.37	4548583405998
375565	E2E-S05S12-WC-C1 2M	Proximity sensor, inductive, M5, Shielded, 1.2mm, DC, 3-wire, PW, NPN NO	35.37	4548583406001
375566	E2E-S05S12-WC-C2 2M	Proximity sensor, inductive, M5, Shielded, 1.2mm, DC, 3-wire, PW, NPN NC	35.37	4548583406018





### Sub-miniature inductive sensor for demanding mounting conditions with remote amplifier

The E2EC family features the smallest sensor heads for reliable sensing in areas where mounting space is crucial. The miniature sizes of the sensing heads are achieved by separating the sensing part from the amplifier. In contrast to standard separate amplifier models the E2EC family simplifies the installation as the amplifier is built into the cable.

- 3 mm diameter sensing head for smallest spaces
- 18 mm long ultra short M12 size housing
- Full metal housing model for highest resistance in demanding environments

Short item number	Order code	Description	Price EUR	GTIN
144377	E2EC-C1R5D1	Proximity sensor, inductive, Dia 5.4mm, Shielded, 1.5mm, DC, 2-wire, NO, 2m cable	168.10	4536853257514
147698	E2EC-C3D1	Proximity sensor	171.60	4536853257590
177225	E2EC-C3D1-M1J-1	Proximity sensor, 8 mm diameter, 3 mm range, 2 wire DC, 2 m cable	245.00	4536854887864
132394	E2EC-CR8D1	Proximity sensor, inductive, Dia 3mm, Shielded, 0.8mm, DC, 2-wire, NO, 2m cable	176.40	4536853257439



### Ferrous and Non-Ferrous Cylindrical Proximity Sensor

The E2V-X provides long-distance detection of aluminum or iron, while mounted flush in metal.

- Highly visible indicator
- DC 3-wire proximity sensors: M12, M18, M30
- Standard and Long-distance detection in pre-wired or connector models
- Nickel-plated brass housing

Short item number	Order code	Description	Price EUR	GTIN
249420	E2V-X8B1-M1TJ 0.3M	Proximity sensor, inductive, all metall sensing, brass-nickel, M18, shielded, 8 mm, DC, 3-wire, PNP-NO, 0.3 m cable with M12 SmartClick connector	150.10	4547648456517





### IO-Link standard proximity sensors as the innovative solution to solve issues at industrial manufacturing sites

IO-Link standard proximity sensors as the innovative solution to solve issues at industrial manufacturing sites

- Downtime can be reduced through internal diagnostic functions
- The sudden failure can be decreased by notifying, if objects being too far or too close
- Maintenance operations are more efficient by identification of each sensor through the IO link network
- Programmable operation of the sensor reduces the number of models required

Short item number	Order code	Description	Price EUR	GTIN
671227	E2E-X3B4-IL2 2M	Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 3 mm, DC, 3-wire, PNP NO/NC switching type (Factory setting: NO), IO-Link V1.1 COM2 (38.4 kbps, 2.3ms), 2 m prewired	39.86	4548583786226



### Rectangular Proximity Sensor with free wire connection terminal

E2Q6 family presents the new type of rectangular inductive proximity sensors with longer sensing distance and with innovative modified connected terminal for free wire connection. New terminal provides higher wear resistance, very good protected against corrosion and highly robust. The shape of E2Q6 was made in the format of standard limit switch and can be used for the similar applications as alternative non-contact solution.

- Conduit M20 with terminal block for free wire connection
- Change between any of five sensing directions: front or 90° up, down, left, or right.
- Four indicators show the operating status of the Sensor from many directions.

Short item number	Order code	Description	Price EUR	GTIN
419021	E2Q6-N20E3-H	Proximity sensor, inductive, square body, shielded, 20 mm, NPN-NO/NC, M20 conduit	78.70	4548583732544
419020	E2Q6-N20F3-H	Proximity sensor, inductive, square body, shielded, 20 mm, PNP-NO/NC, M20 conduit	78.70	4548583732537
419018	E2Q6-N30MF3-H	Proximity sensor, inductive, square body, non-shielded, 30 mm, PNP-NO/NC, M20 conduit	83.25	4548583732483



### Heat and detergent resistant inductive sensor in cylindrical stainless steel housing

The heat and detergent resistant inductive sensors provide reliable metal object or machine part detection in demanding environments such as food processing.

- Temperature resistant up to 120°C
- SUS316L housing with heat resistant plastic sensing face
- IP69k for highest water resistance
- ECOLAB tested and certified detergent resistance

Short item number	Order code	Description	Price EUR	GTIN
290046	E2EH-X12B1 2M	Proximity sensor M30, high temperature (120°C) stainless steel, 12mm sensing range, DC PNP, NO, prewired, 2m	117.80	4547648628662
290047	E2EH-X12B1-M1	Proximity sensor M30, high temperature (120°C) stainless steel, 12mm sensing range, DC PNP, NO, M12 plug-in	172.80	4547648628679
290031	E2EH-X3B1 2M	Proximity sensor M12, high temperature (120°C) stainless steel, 3mm sensing range, DC PNP, NO, prewired, 2m	61.35	4547648628495
290032	E2EH-X3B1-M1	Proximity sensor M12, high temperature (120°C) stainless steel, 3mm sensing range, DC PNP, NO, prewired, M12 plug in	105.60	4547648628501
290059	E2EH-X7B1 2M	Proximity sensor M18, high temperature (120°C) stainless steel, 7mm sensing range, DC PNP, NO, prewired, 2m	117.40	4547648628815
290061	E2EH-X7B1-M1	Proximity sensor M18, high temperature (120°C) stainless steel, 7mm sensing range, DC PNP, NO, M12 plug-in	119.30	4547648628839



### Chemical resistant inductive sensor in cylindrical PTFE housing

The E2FQ features a full-body fluoro plastic housing for chemical resistance (e.g. against cleaning agents used in the semiconductor industry).

- Full body fluoro plastic housing for chemical resistance
- DC 2-wire and DC 3-wire models

Short item number	Order code	Description	Price EUR	GTIN
154863	E2FQ-X10F1	Proximity sensor, inductive, PTFE body, short, M30, shielded, 10mm, DC, PNP-NO, 2 m cable	194.50	4536853263355
149293	E2FQ-X2F1	Proximity sensor, inductive, PTFE body, short, M12, shielded, 2 mm, 3-wire DC, PNP-NO, 2 m cable	160.00	4536853263461
131818	E2FQ-X5F1	Proximity sensor, inductive, PTFE body, short, M18, shielded, 5mm, 3-wire DC, PNP-NO, 2 m cable	147.90	4536853263300



### Inductive proximity sensor in cylindrical full metal housing (case + sensing face)

The high durability stainless steel sensing face provides more than 20 times longer protection against mechanical damage than conventional sensors. The high mineral oil and coolant resistance and the immunity against small metal chips on the surface make this sensor ideal for metal cutting or drilling applications.

- Full body stainless steel housing for highest mechanical protection
- Low frequency modulation for metal chip immunity
- Flame retardant cable for high protection against welding spatter damage (pigtail models)

Short item number	Order code	Description	Price EUR	GTIN
224092	E2FM-X10B1-M1	Proximity sensor, inductive, stainless steel face & body, long body, M30, shielded, 10mm, DC, 3-wire, PNP-NO, M12 plug-in	156.10	4547648228428
224089	E2FM-X1R5B1-M1	Proximity sensor, inductive, stainless steel face & body, long body, M8, shielded, 1.5mm, DC, 3-wire, PNP-NO, M12 plug-in	115.40	4547648228398
232110	E2FM-X1R5D1 2M	Proximity sensor inductive	132.40	4547648325790
224090	E2FM-X2B1-M1	Proximity sensor, inductive, stainless steel face & body, long body, M12, shielded, 2mm, DC, 3-wire, PNP-NO, M12 plug-in	86.85	4547648228404
232111	E2FM-X2D1 2M	Proximity sensor, inductive, stainless steel face & body, long body, M12, shielded, 2 mm, DC, 2-wire, NO, 2 m prewired	118.80	4547648325806
224091	E2FM-X5B1-M1	Proximity sensor, inductive, stainless steel face & body, long body, M18, shielded, 5mm, DC, 3-wire, PNP-NO, M12 plug-in	98.00	4547648228411
232112	E2FM-X5D1 2M	Proximity sensor, inductive, stainless steel face & body, long body, M18, shielded, 5mm, DC, 2-wire, NO, 2m prewired	133.50	4547648325813



### High precision positioning inductive proximity sensor with separate amplifier

The separate amplifier inductive sensor family E2C-EDA offers high precision distance positioning and detection. The teach-in function allows simple installation, and with the window function (2 outputs) production tolerance checks can easily be set up and modified.

- Typically several hundred  $\mu\text{m}$  detection precision
- Precision distance teaching
- Window function (2 outputs) for production tolerance checks

Short item number	Order code	Description	Price EUR	GTIN
176687	E2C-EDA41 2M	High precision positioning inductive proximity sensor amplifier, DC, twin output model, PNP, digital display, 2m cable	272.60	4547648076784
176693	E2C-EDR6-F	Sensor head shielded, cylindrical 3mm, distance 0.6mm (for use with E2C-EDA)	348.90	4547648076845
176706	E2C-EV05	Sensor head shielded, flat 30x14x4.8mm, distance 5mm (for use with E2C-EDA)	322.70	4547648076975



### Oil resistant inductive sensor in cylindrical brass housing

The standard E2E family offers tested oil resistance on commonly used oils in the automotive industry for reliable long-life operation in automotive assembly lines.

- Oil resistant PUR cable
- M8, M12, M18 and M30 standard sizes
- IP67g (water and oil resistance)

Short item number	Order code	Description	Price EUR	GTIN
290127	E2E-X2D1-U 2M	Proximity sensor, inductive, M8, shielded, 2 mm, DC, 2-wire, NO, 2 m cable PUR oil-resistant	72.20	4547648408813
290129	E2E-X3D1-U 2M	Proximity sensor, inductive, M12, shielded, 3 mm, DC, 2-wire, NO, 2 m cable PUR oil-resistant	72.20	4547648408837

## TL-W

## Square/block style



### Flat shape inductive sensor in compact plastic housing

The TL-W family offers a wide range of block style inductive sensors for simple mounting on flat surfaces. With sensing distances from 1.5 mm to 20 mm the TL-W is the ideal solution for all standard applications.

- Front and side facing surface
- IP67
- DC 2-wire and DC 3-wire models
- Sensing distances from 1.5 mm to 20 mm

Short item number	Order code	Description	Price EUR	GTIN
110296	TL-W1R5MB1	Proximity sensor, inductive, non-shielded, 1.5mm, DC, 3-wire, PNP-NO, 2m cable	60.70	4536854116407
110289	TL-W1R5MC1	Proximity sensor, inductive, non-shielded, 1.5mm, DC, 3-wire, NPN-NO, 2m cable	54.00	4536854116315
110302	TL-W20ME1	Proximity sensor, inductive, unshielded, Rectangular, 20mm, 3 wire, NPN, NO, 2m cable	91.30	4536854116612
110294	TL-W3MB1 2M	Proximity sensor, inductive, non-shielded, 3 mm, DC, 3-wire, PNP-NO, 2 m cable	48.32	4536854116384
110307	TL-W3MB1 5M	Proximity sensor, inductive, unshielded, 3 mm, DC, 3-wire, PNP-NO, 5 m cable	54.00	4536854116735
110312	TL-W3MB1-R 2M	Proximity sensor, inductive, unshielded, 3 mm, DC, 3-wire, PNP-NO, 5 m robotic cable	74.20	4536854116995
110305	TL-W3MB2	Proximity sensor, inductive, non-shielded, 3mm, DC, 3-wire, PNP-NC, 2m cable	90.90	4536854116698
110288	TL-W3MC1 2M	Proximity sensor, inductive, non-shielded, 3mm, DC, 3-wire, NPN-NO, 2m cable	48.71	4536854116292
110306	TL-W3MC1-R 2M	Proximity sensor, inductive, unshielded, 3 mm, DC, 3-wire, NPN-NO, 2 m robotic cable	58.25	4536854116704
110292	TL-W3MC2 2M	Proximity sensor, inductive, unshielded, 3mm, DC, 3-wire, NPN-NC, 2m cable	49.47	4536854116353
110280	TL-W5E1	Proximity sensor, inductive, shielded, 5 mm, DC, 3-wire, NPN-NO, 2 m cable	84.50	4536854116186
110282	TL-W5F1	Proximity sensor, inductive, shielded, 5mm, DC, 3-wire, PNP-NO, 2m cable	84.50	4536854116209
103868	TL-W5F2	Proximity sensor, inductive, shielded, 5 mm, DC, 3-wire, PNP-NC, 2 m cable	87.50	4536854116247
110295	TL-W5MB1 2M	Proximity sensor, inductive, non-shielded, 5mm, DC, 3-wire, PNP-NO, 2m cable	39.23	4536854116391
144995	TL-W5MB2 2M	Proximity sensor, inductive, unshielded, 5mm, DC, 3-wire, PNP-NC, 2m cable	39.96	4536854647376
110287	TL-W5MC1 2M	Proximity sensor, inductive, unshielded, 5mm, DC, 3-wire, NPN-NO, 2m cable	38.45	4536854116261
110298	TL-W5MD1 2M	Proximity sensor, inductive, unshielded, 5mm, DC, 2-wire DC, NO, 2m cable	59.75	4536854116537
110301	TL-W5MD2 2M	Proximity sensor, inductive, non-shielded, 5mm, DC, 2-wire DC, NC, 2 m cable	59.75	4536854116575



### Miniature square inductive sensor in plastic housing

The E2S family features miniature block style plastic housings for simple mounting on flat surfaces. The durable plastic housing with front or side facing sensing surfaces, provide best value-performance ratio for machine part movement detection.

- Miniature housing with long sensing ranges
- Front and side facing sensing surfaces
- Simple mounting with one screw
- IP67

Short item number	Order code	Description	Price EUR	GTIN
233113	E2S-Q15 1M	Miniature rectangular Inductive, end face sensing, unshielded, 1.6mm, PNP, NO, 1M cable	40.77	4536854841651
231595	E2S-Q21 1M	Miniature rectangular Inductive, end face sensing, unshielded, 2.5mm, 2 wire DC, NO, 1M cable	40.77	4536854841682
231599	E2S-Q23 1M	Miniature rectangular Inductive, end face sensing, unshielded, 2.5mm, NPN, NO, 1m cable	44.30	4536854841767
231602	E2S-Q25 1M	Miniature rectangular Inductive, end face sensing, unshielded, 2.5mm, PNP, NO, 1M cable	44.30	4536854841798
231592	E2S-Q25 2M	Miniature rectangular Inductive, end face sensing, unshielded, 2.5 mm, PNP, NO, 2 m cable	48.57	4547648285933
231589	E2S-Q26 1M	Miniature rectangular Inductive, end face sensing, unshielded, 2.5mm, PNP, NC, 1m cable	38.31	4536854841811
233119	E2S-W13 1M	Miniature rectangular Inductive, front face sensing, unshielded, 1.6mm, NPN, NO, 1M cable	40.77	4536854841873
233123	E2S-W15 1M	Miniature rectangular Inductive, front face sensing, unshielded, 1.6mm, PNP, NO, 1M cable	57.85	4536854841927
231604	E2S-W21 1M	Miniature rectangular Inductive, front face sensing, unshielded, 2.5mm, 2 wire DC, NO, 1M cable	38.31	4536854841958
231605	E2S-W21B 1M	Miniature rectangular Inductive, front face sensing, unshielded, 2.5 mm, 2 wire DC, NO, alternative frequency, 1 m cable	47.85	4536854841972
231606	E2S-W22 1M	Miniature rectangular Inductive, front face sensing, unshielded, 2.5mm, 2 wire DC, NC, 1M cable	40.77	4536854842009
231608	E2S-W23 1M	Miniature rectangular Inductive, front face sensing, unshielded, 2.5mm, NPN, NO, 1M cable	44.30	4536854842054
231610	E2S-W25 1M	Miniature rectangular Inductive, front face sensing, unshielded, 2.5mm, PNP, NO, 1m cable	44.30	4536854842122
231591	E2S-W26 1M	Miniature rectangular Inductive, front face sensing, unshielded, 2.5mm, PNP, NC, 1M cable	37.97	4536854842146



### Long distance inductive proximity sensor in plastic housing

The long sensing distance and simple installation on flat surfaces make the E2Q5 ideal for the detection of large metal objects for example in automotive assembly lines.

- M12 Plug-in connection
- Integrated short circuit and reverse polarity protection
- Active face position: Y-axis 15°, X-axis 90° increments

Short item number	Order code	Description	Price EUR	GTIN
237305	E2Q5-N20E1-M1	Long distance square inductive proximity sensor, 20mm, shielded, NPN, NO	55.95	4547648332057
237306	E2Q5-N20F1-M1	Long distance square inductive proximity sensor, 20mm, shielded, PNP, NO	55.95	4547648332064
237310	E2Q5-N20F3-M1	Long distance square inductive proximity sensor, 20mm, shielded, PNP, NO & NC	61.50	4547648332217
237307	E2Q5-N40ME1-M1	Long distance square inductive proximity sensor, 40mm, unshielded, NPN, NO	57.25	4547648332187
237308	E2Q5-N40MF1-M1	Long distance square inductive proximity sensor, 40mm, unshielded, PNP, NO	57.95	4547648332194
237312	E2Q5-N40MF3-M1	Long distance square inductive proximity sensor, 40mm, unshielded, PNP, NO & NC	63.45	4547648332224

M12 Connector Cordsets

XS2 Connector Cordsets with M12 watertight single-ended and extension cordsets.

- Surpasses IP67 requirements and ensures 94V-0 fire retardant rating
- Quick disconnect simplifies maintenance and reduces down time
- Extension cable has one female socket, one male plug
- Single-end I/O connector has a female socket with attached cable
- Make custom length cordsets using connector assemblies



Short item number	Order code	Description	Price EUR	GTIN
107733	XS2C-D421	Sensor connector, M12, female, straight for DC type	8.91	4536854222320
155975	XS2C-D451	M12 4-pin, straight female screw connector, for 5-6mm cable	6.75	4536854455919
374557	XS2C-D551	M12 5-pin, straight female screw connector, for 5-6 mm cable	9.64	4536854735523
107677	XS2F-D421-D80-F	Cable M12 4-pin, Socket, Straight, Fire-retardant, Robot cable, 4 wire, 2 m	18.21	4536854224805
107714	XS2F-D421-E80-F	Cable M12 4-pin, Socket, Straight, Fire-retardant, Robot cable, 4 wire, 3 m	26.26	4536854478857
107678	XS2F-D421-G80-F	Cable M12 4-pin, Socket, Straight, Fire-retardant, Robot cable, 4 wire, 5 m	29.89	4536854224812
107675	XS2F-D421-GD0	Sensor Cable	18.99	4536854224690
107680	XS2F-D421-J80-F	Sensor connector, M12 straight, 10 m, Fire-retardant, vibration-proof	47.65	4536854224881
355664	XS2F-D422-D80-F	Cable M12 4-pin, Socket, Angled, Fire-retardant, Robot cable, 4 wire, 2 m	21.00	4547648698047
355663	XS2F-D422-G80-F	Cable M12 4-pin, Socket, Angled, Fire-retardant, Robot cable, 4 wire, 5 m	33.67	4547648622073
359239	XS2F-D422-J80-F	Sensor connector, female, M12, PVC, 4-pin, L-shaped, fire-retardant, robot cable, 10 m	43.00	4547648623322
150307	XS2F-D521-DG0-A	Sensor connector, M12, 5 PIN, straight, 5 m cable	18.59	4536854224515
358068	XS2F-LM12PVC3A2M	Sensor connector, LITE M12 3-wire, Angled female connector, LITE PVC, 2m	6.44	4548583127135
358069	XS2F-LM12PVC3A5M	Sensor connector, LITE M12 3-wire, Angled female connector, LITE PVC, 5m	8.17	4548583127159
361131	XS2F-LM12PVC3S10M	Sensor connector, LITE M12 3-wire, Straight female connector, LITE PVC, 10m	11.50	4548583135277
358071	XS2F-LM12PVC3S5M	Sensor connector, LITE M12 3-wire, Straight female connector, LITE PVC, 5m	8.17	4548583127210
361128	XS2F-LM12PVC4A10M	Sensor connector, LITE M12 4-wire, Angled female connector, LITE PVC, 10m	11.50	4548583127258
358072	XS2F-LM12PVC4A2M	Sensor connector, LITE M12 4-wire, Angled female connector, LITE PVC, 2m	6.44	4548583127227
358073	XS2F-LM12PVC4A5M	Sensor connector, LITE M12 4-wire, Angled female connector, LITE PVC, 5m	8.17	4548583127234
361129	XS2F-LM12PVC4S10M	Sensor connector, LITE M12 4-wire, Straight female connector, LITE PVC, 10m	11.50	4548583127302
358074	XS2F-LM12PVC4S2M	Sensor connector, LITE M12 4-wire, Straight female connector, LITE PVC, 2m	6.44	4548583127272
358075	XS2F-LM12PVC4S5M	Sensor connector, LITE M12 4-wire, Straight female connector, LITE PVC, 5m	8.17	4548583127289
419157	XS2F-M12PUR3A5M	Sensor connector, M12 3-wire, Angled female connector, PUR, 5 m	14.35	4548583435001
419161	XS2F-M12PUR4A10M	Sensor connector, M12 4-wire, Angled female connector, PUR, 10 m	21.84	4548583435049
378111	XS2F-M12PUR4A10MPLED	Sensor Connector, female, M12, PUR, 4 Pin, Angled, 10 m, LED indicator (PNP)	43.64	4548583440371
419164	XS2F-M12PUR4A2M	Sensor connector, M12 4-wire, Angled female connector, PUR, 2 m	10.75	4548583435070
419165	XS2F-M12PUR4A5M	Sensor connector, M12 4-wire, Angled female connector, PUR, 5 m	13.75	4548583435087
378110	XS2F-M12PUR4A5MPLED	Sensor Connector, female, M12, PUR, 4 Pin, Angled, 5M, LED indicator (PNP)	29.84	4548583440364
419166	XS2F-M12PUR4S10M	Sensor connector, M12 4-wire, Straight female connector, PUR, 10 m	22.01	4548583435094
419169	XS2F-M12PUR4S2M	Sensor connector, M12 4-wire, Straight female connector, PUR, 2 m	10.77	4548583435124
419170	XS2F-M12PUR4S5M	Sensor connector, M12 4-wire, Straight female connector, PUR, 5 m	14.35	4548583435131
419176	XS2F-M12PUR5S5M	Sensor connector, M12 5-wire, Straight female connector, PUR, 5 m	17.46	4548583435193
378101	XS2F-M12PVC3ASMPLED	Sensor Connector, female, M12, PVC, 3 Pin, Angled, 5 m, LED indicator (PNP)	23.02	4548583440395
419183	XS2F-M12PVC4A10M	Sensor connector, M12 4-pin, Angled female connector, PVC, 10 m	19.17	4548583435261
419186	XS2F-M12PVC4A2M	Sensor connector, M12 4-pin, Angled female connector, PVC, 2 m	8.99	4548583435292
378103	XS2F-M12PVC4A2MPLED	Sensor Connector, female, M12, PVC, 4 Pin, Angled, 2M, LED indicator (PNP)	25.83	4548583440296
419187	XS2F-M12PVC4A5M	Sensor connector, M12 4-pin, Angled female connector, PVC, 5 m	12.93	4548583435308
378104	XS2F-M12PVC4ASMPLED	Sensor Connector, female, M12, PVC, 4 Pin, Angled, 5M, LED indicator (PNP)	27.86	4548583440302
419188	XS2F-M12PVC4S10M	Sensor connector, M12 4-pin, Straight female connector, PVC, 10 m	17.57	4548583435315
419190	XS2F-M12PVC4S20M	Sensor connector, M12 4-pin, Straight female connector, PVC, 20 m	29.23	4548583435339
419191	XS2F-M12PVC4S2M	Sensor connector, M12 4-pin, Straight female connector, PVC, 2 m	9.60	4548583435346
419193	XS2F-M12PVC4S5M	Sensor connector, M12 4-pin, Straight female connector, PVC, 5 m	12.93	4548583435360
419195	XS2F-M12PVC5A2M	Sensor connector, M12 5-pin, Angled female connector, PVC, 2 m	9.54	4548583435384
419196	XS2F-M12PVC5A5M	Sensor connector, M12 5-pin, Angled female connector, PVC, 5 m	13.78	4548583435391
419197	XS2F-M12PVC5S10M	Sensor connector, M12 5-pin, Straight female connector, PVC, 10 m	20.33	4548583435407
419199	XS2F-M12PVC5S2M	Sensor connector, M12 5-pin, Straight female connector, PVC, 2 m	11.21	4548583435421
419200	XS2F-M12PVC5S5M	Sensor connector, M12 5-pin, Straight female connector, PVC, 5 m	13.55	4548583435438
107630	XS2G-D421	Sensor connector, M12, male, solder connection, straight for DC, for cable diameters 5-6 mm	10.13	4536854225642
107634	XS2G-D451	M12 4-pin, straight male screw connector, for 5-6mm cable	8.17	4536854455971
374560	XS2G-D551	Plug (male) connector M12, 5 pin, screw fix, straight	9.83	4536854735516
107608	XS2W-D421-D81-F	Cable M12 4-pin, Sockets and plugs on cable ends, Straight/Straight, Fire-retardant, Robot cable, 2 m	30.70	4536854465024



Short item number	Order code	Description	Price EUR	GTIN
107609	XS2W-D421-G81-F	Sensor connector, M12, 4-wire, straight, female-male, PVC, 5 m	47.96	4536854465031
668475	XS2W-D424-G81-F	Sensor I/O cable (4-wire), connector on both ends (angled M12 socket, straight M12 plug), robot, fire retardant, 5 m	35.66	4547648609876
237197	XSS5F-D421-C80-F	M12 4-pin, Straight female connector, IP69K, Robot cable, 1 m	16.14	4547648305082
237228	XSS5F-D421-D80-F	Sensor connector, M12 4-pin, Straight female connector, IP69K, Robot cable, 2m	18.59	4547648305099
237198	XSS5F-D421-E80-F	M12 4-pin, Straight female connector, IP69K, Robot cable, 3m	23.02	4547648305105
237229	XSS5F-D421-G80-F	Sensor connector, M12 4-pin, Straight female connector, IP69K, Robot cable, 5m	26.26	4547648305112
237230	XSS5F-D421-J80-F	Sensor connector, M12 4-pin, Straight female connector, IP69K, Robot cable, 10m	38.66	4547648305129
669139	XSS5F-D421-L80-F	Sensor connector, M12 4-pin, Straight female connector, IP69K, Robot cable, 20 m	70.95	4548583081857
237220	XSS5W-D421-C81-F	Smartclick sensor connector plug and socket, M12, straight, 1 m robot cable	24.33	4547648305181
237236	XSS5W-D421-D81-F	Smartclick sensor connector plug and socket, M12, straight, 2 m robot cable	25.66	4547648305198
237221	XSS5W-D421-E81-F	Smartclick sensor connector plug and socket, M12, straight, 3 m robot cable	28.68	4547648305204
237237	XSS5W-D421-G81-F	Smartclick sensor connector plug and socket, M12, straight, 5 m robot cable	37.99	4547648305211
237238	XSS5W-D421-J81-F	Smartclick sensor connector plug and socket, M12, straight, 10 m robot cable	48.32	4547648305228
107409	Y92E-A34	Mounting Bracket for E2K sensor	5.64	4536854247293
681044	Y92E-B12	Sensor mounting bracket, M12 size	3.68	4549734156547
681043	Y92E-B18	Sensor mounting bracket, M18 size	3.68	4549734156554
144997	Y92E-B30	Sensor mounting bracket, M30 size	3.67	4536854247286
206551	Y92E-M08PUR4S5M-L	M8 4-pin, Straight female connector, PUR, 5 m	17.17	4536853901103
206580	Y92E-M08PVC4Sconf-L	M8 4-pin, Straight female screw connector, for 3.5 to 5 mm cable	23.75	4536853901219
341554	Y92E-M12FSM12MSPURSH806M-L	Receiver M12 8-pin shielded cable, male-female, for control box F39-TGR-W-IBOX, 0,6 m	36.54	4547648887007
341557	Y92E-M12FSM12MSPURSH810M-L	Receiver cable M12 8-pin, male/female, for control box F39-TGR-W-IBOX, 10m	74.15	4547648887038
341555	Y92E-M12FSM12MSPURSH82M-L	Receiver cable M12 8-pin, male/female, for control box F39-TGR-W-IBOX, 2m	40.07	4547648887014
206552	Y92E-M12PUR4A5M-L	M12 4-pin, Angled female connector, PUR, 5 m	16.18	4536853901318
362690	Y92E-M12PUR4A5M-R	M12 4-pin Straight female connector, Robot cable, PUR, 5m	27.55	4547648932189
206553	Y92E-M12PUR4S5M-L	M12 4-pin, Straight female connector, PUR, 5 m	16.08	4536853901349
341552	Y92E-M12PURSH4S10M-L	Emitter cable M12 4-pin, female connector, shielded cable 10m	53.30	4547648886987
341553	Y92E-M12PURSH4S25M-L	Emitter cable M12 4-pin, female connector, shielded cable 25m	103.20	4547648886994
341550	Y92E-M12PURSH4S2M-L	Emitter cable M12 4-pin, female connector, shielded cable 2m	27.55	4547648886963
341551	Y92E-M12PURSH4S5M-L	Emitter cable M12 4-pin, female connector, shielded cable 5m	28.36	4547648886970
341548	Y92E-M12PURSH8S10M-L	Receiver cable M12 8-pin, female connector, shielded cable 10m	47.65	4547648886949
341549	Y92E-M12PURSH8S25M-L	Receiver cable M12 8-pin, female connector, shielded cable 25m	127.60	4547648886956
341546	Y92E-M12PURSH8S2M-L	Receiver cable M12 8-pin, female connector, shielded cable 2m	31.26	4547648886925
341547	Y92E-M12PURSH8S5M-L	Receiver cable M12 8-pin, female connector, shielded cable 5m	36.95	4547648886932
206582	Y92E-MM08PVC4Sconf-L	Sensor Connector field assembly, male, M8, PVC, 4 pin, Straight	24.26	4536853900939
244005	Y92E-S12PVC4A10M-L	Sensor connector, M12 4-pin, Angled female connector, IP69K, PVC, 10 m, SUS nut	33.29	4547648852944
224784	Y92E-S12PVC4A5M-L	Sensor connector, M12 4-pin, Angled female connector, IP69K, PVC, 5 m, SUS nut	17.28	4536853903572
242626	Y92E-S12PVC4S10M-L	Sensor connector, M12 4-pin, Straight female connector, IP69K, PVC, 10 m, SUS nut	27.55	4547648852524
224783	Y92E-S12PVC4S5M-L	Sensor connector, M12 4-pin, Straight female connector, IP69K, PVC, 5 m, SUS nut	17.17	4536853903565



## M8 Connector Cordsets



XS3 Connector Cordsets with M8 single-ended and extension cordsets for reduced maintenance.

- Surpasses IP67 requirements and ensures 94V-0 fire retardant rating
- Quick disconnect simplifies maintenance and reduces down time
- Extension cable has one female socket, one male plug
- Single-end I/O connector has a female socket with attached cable
- Robotic cable and vibration-proof connectors withstand repeated flexing

Short item number	Order code	Description	Price EUR	GTIN
250788	XS3F-E421-405-A	M8 4-pin, Straight female SUS-connector, IP69K, PVC, 5m	27.04	4547648386463
358076	XS3F-LM8PVC3A2M	Sensor connector, M8 3-wire, Angled female connector, PVC, 2m	5.67	4548583127005
358077	XS3F-LM8PVC3A5M	Sensor connector, M8 3-wire, Angled female connector, PVC, 5m	7.39	4548583127012
358078	XS3F-LM8PVC3S2M	Sensor connector, M8 3-wire, Straight female connector, PVC, 2m	5.67	4548583127036
358079	XS3F-LM8PVC3S5M	Sensor connector, M8 3-wire, Straight female connector, PVC, 5m	7.39	4548583127043
358080	XS3F-LM8PVC4A2M	Sensor connector, M8 4-wire, Angled female connector, PVC, 2m	5.67	4548583127050
358081	XS3F-LM8PVC4A5M	Sensor connector, M8 4-wire, Angled female connector, PVC, 5m	7.39	4548583127067
358082	XS3F-LM8PVC4S2M	Sensor connector, M8 4-wire, Straight female connector, PVC, 2m	5.67	4548583127081
358083	XS3F-LM8PVC4S5M	Sensor connector, M8 4-wire, Straight female connector, PVC, 5m	7.39	4548583127098
372023	XS3F-M321-305-R	Sensor connector, female, M8, PVC, 3 pin, straight, fire-retardant, vibration-proof robot cable, 5 m	9.30	4548583359499
372025	XS3F-M322-305-R	Sensor connector, female, M8, PVC, 3 pin, angled, vibration-proof robot cable, 5 m	9.30	4548583359512
107537	XS3F-M421-402-A	M8 4-pin, Straight female connector, IP67, standard cable 2m	12.93	4536854505812
156301	XS3F-M421-402-R	Sensor connector, M8 4-pin, Straight female connector, IP67, robot cable 2m	14.18	4536854228599
105016	XS3F-M421-405-A	M8 4-pin, Straight female connector, IP67, standard cable 5 m	16.14	4536854505829
107621	XS3F-M421-405-R	M8 4-pin, Straight female connector, IP67, robot cable 5 m	13.46	4536854228605
107538	XS3F-M422-402-A	M8 4-pin, 90° female connector, IP67, standard cable 2m	12.93	4536854505843
141967	XS3F-M422-405-A	M8 4-pin, 90° female connector, IP67, standard cable 5 m	16.14	4536854505850
419217	XS3F-M8PUR3A10M	Sensor connector, M8 3-wire, Angled female connector, PUR, 10 m	21.17	4548583436589
419220	XS3F-M8PUR3A2M	Sensor connector, M8 3-wire, Angled female connector, PUR, 2 m	9.17	4548583436619
419221	XS3F-M8PUR3A5M	Sensor connector, M8 3-wire, Angled female connector, PUR, 5 m	13.61	4548583436626
419222	XS3F-M8PUR3S10M	Sensor connector, M8 3-wire, Straight female connector, PUR, 10 m	17.84	4548583436633
419226	XS3F-M8PUR3S5M	Sensor connector, M8 3-wire, Straight female connector, PUR, 5 m	13.61	4548583436671
419227	XS3F-M8PUR4A10M	Sensor connector, M8 4-wire, Angled female connector, PUR, 10 m	21.17	4548583436701
419231	XS3F-M8PUR4A5M	Sensor connector, M8 4-wire, Angled female connector, PUR, 5 m	14.17	4548583436749
419232	XS3F-M8PUR4S10M	Sensor connector, M8 4-wire, Straight female connector, PUR, 10 m	21.17	4548583436756
419235	XS3F-M8PUR4S2M	Sensor connector, M8 4-wire, Straight female connector, PUR, 2 m	9.99	4548583436787
419236	XS3F-M8PUR4S5M	Sensor connector, M8 4-wire, Straight female connector, PUR, 5 m	13.50	4548583436794
419241	XS3F-M8PVC3A5M	Sensor connector, M8 3-wire, Angled female connector, PVC, 5 m	12.10	4548583436848
419242	XS3F-M8PVC3S10M	Sensor connector, M8 3-wire, Straight female connector, PVC, 10 m	18.33	4548583436855
419246	XS3F-M8PVC3S5M	Sensor connector, M8 3-wire, Straight female connector, PVC, 5 m	11.66	4548583436893
419250	XS3F-M8PVC4A2M	Sensor connector, M8 4-wire, Angled female connector, PVC, 2 m	9.85	4548583436954
419252	XS3F-M8PVC4S10M	Sensor connector, M8 4-wire, Straight female connector, PVC, 10m	18.33	4548583436978
419254	XS3F-M8PVC4S20M	Sensor connector, M8 4-wire, Straight female connector, PVC, 20 m	26.01	4548583436992
419256	XS3F-M8PVC4S5M	Sensor connector, M8 4-wire, Straight female connector, PVC, 5m	11.97	4548583437012
387059	XS3W-M321-302-R	Screw-mounting connector, M8, 3-poles, PVC vibration-proof robot cable, F straight/ M straight, 2 m	26.68	4548583432284



### Round waterproof IDC pressure-welded assembly M12 field attachable connectors

XS5C/XS5G-D418 IDC type connectors have been specially developed for fast and easy connection without any special tools. The only tools you'll need are wire cutters and two wrenches.

- Fast and easy IDC Pressure-welded Assembly
- One connector for cable diameters of 3 mm to 8 mm
- IP67 for waterproof connection

Short item number	Order code	Description	Price EUR	GTIN
377248	XS5C-D418	Sensor Connector, female, M12, PVC, 4 Pin, Straight, ICD connection	7.56	4548583407824
377249	XS5G-D418	Sensor Connector, male, M12, PVC, 4 Pin, Straight, ICD connection	7.56	4548583407831



### Detergent Resistant Cable Connectors

IP69K Rated Sensor Connector Cordsets for Food, Beverage, Pharma applications.

- 3-Pin and 4-Pin Connectors, M8 and M12 Sizes
- Food Grade SUS316L Ferrules
- Use with Chemical resistant Photoelectric and Inductive sensors – E3FC, E3ZM and E2EH
- Straight and Angled Connectors

Short item number	Order code	Description	Price EUR	GTIN
393699	Y92E-S08PP3S 5M	Cable connector M8, Polypropylene, single ended cordset, female, straight, 3 pole, 5 M	21.84	4547648986397
393711	Y92E-S08PP4S 5M	Cable connector M8, Polypropylene, single ended cordset, female, straight, 4 pole, 5 m	27.12	4547648986519
393717	Y92E-S12PP4A 5M	Cable connector M12, Polypropylene, single ended cordset, female, angled, 4 pole, 5 m	21.26	4547648986571
393723	Y92E-S12PP4S 5M	Cable connector M12, Polypropylene, single ended cordset, female, straight, 4 pole, 5 m	21.26	4547648986632

Short item number	Order code	Description	Price EUR	GTIN
233069	E2E-X10MY1 2M	Proximity sensor, long body, M18, unshielded, 10 mm, NO, AC, 2-wire, 2 m cable	76.35	4547648310109
233078	E2E-X10Y1 2M	Proximity sensor, long body, M30, shielded, 10 mm, NO, AC, 2-wire, 2 m cable	83.10	4547648310192
233066	E2E-X2Y1 2M	Proximity sensor, long body, M12, shielded, 2 mm, NO, AC, 2-wire, 2 m cable	63.15	4547648310079
233072	E2E-X5Y1 2M	Proximity sensor, long body, M18, shielded, 5 mm, NO, AC, 2-wire, 2 m cable	76.35	4547648310130
674702	E2EF-X12D1 2M	Proximity sensor, Stainless steel, Metal head for long distance detection, M30, Sn=12 mm, 2-wire, NO, 2 m cable	129.30	4548583354661
290144	E2EM-X4X1 2M	Proximity sensor M12, DC 2-Wire Model, Shielded, Sensing Distance 4 mm, Operation Mode NO, cable 2 m	67.35	4547648629706
290153	E2EM-X8X1 2M	Proximity sensor M18, DC 2-Wire Model, Shielded, Sensing Distance 4 mm, Operation Mode NO, cable 2 m	70.30	4547648630177
324434	E2EQ-X10D1G-M1GJ-T 0.3M	Proximity sensor, inductive, Spatter resistant coating, M12, shielded, 10 mm, DC, 2-wire DC, NO, M12 pigtail cable	111.50	4547648631464
324436	E2EQ-X3D1G-M1GJ-T 0.3M	Proximity sensor, inductive, Spatter resistant coating, M12, shielded, 3 mm, DC, 2-wire DC, NO, M12 pigtail cable	93.60	4547648631501
324437	E2EQ-X7D1G-M1GJ-T 0.3M	Proximity sensor, inductive, Spatter resistant coating, M12, shielded, 7 mm, DC, 2-wire DC, NO, M12 pigtail cable	89.75	4547648631525
238543	E2E-X10D1-M1G	Proximity sensor, inductive, M30, shielded, 10 mm, DC, 2-wire, NO, M12 Connector	103.00	4547648407861
238467	E2E-X10D1-N 2M	Proximity sensor, inductive, M30, shielded, 10mm, DC, 2-wire, NO, 2m cable	72.90	4547648405942
238362	E2E-X10ME1 2M	Proximity sensor, inductive	63.30	4547648403917
238378	E2E-X10MF1 2M	Proximity sensor, inductive, M18, non-shielded, 10 mm, DC, 3-wire, PNP-NO, 2 m cable PVC oil-resistant	54.85	4547648404075
238407	E2E-X10MY1 2M	Proximity sensor, inductive, M18, unshielded, 10mm, AC, 2-wire, NO, 2m cable	89.35	4547648404723
238408	E2E-X10MY2 2M	Proximity sensor, inductive, M18, unshielded, 10mm, AC, 2-wire, NC, 2m cable	83.75	4547648404730
238409	E2E-X10Y1 2M	Proximity sensor, inductive, M30, shielded, 10mm, AC, 2-wire, NO, 2 m cable	92.80	4547648404747
238485	E2E-X14MD1 2M	Proximity sensor, inductive, M18, unshielded, 14mm, DC, 2-wire, NO, 2m cable	59.25	4547648406253
238547	E2E-X14MD1-M1G	Proximity sensor, inductive, M18, unshielded, 14mm, DC, 2-wire, NO, M12 Connector	68.50	4547648407922
238411	E2E-X18MY1 2M	Proximity sensor, inductive, M30, unshielded, 18mm, AC, 2-wire, NO, 2m cable	92.80	4547648404761
238412	E2E-X18MY2 2M	Proximity sensor, inductive, M30, unshielded, 18 mm, AC, 2-wire, NC, 2 m cable	92.80	4547648404778
238352	E2E-X1R5E1 2M	Proximity sensor, inductive, M8, shielded, 1.5mm, DC, 3-wire, NPN-NO, 2m cable	52.95	4547648403818
238368	E2E-X1R5F1 2M	Proximity sensor, inductive, M8, shielded, 1.5 mm, DC, 3-wire, PNP-NO, 2 m cable	62.60	4547648403979
238444	E2E-X1R5F1-M1	Proximity sensor, inductive, M8, shielded, 1.5 mm, DC, 3-wire, PNP-NO, M12 Connector	68.15	4547648405386
238384	E2E-X1R5Y1 2M	Proximity sensor, inductive, M8, shielded, 1.5mm, AC, 2-wire, NO, 2m cable	81.50	4547648404136
238487	E2E-X20MD1 2M	Proximity sensor, inductive, M30, unshielded, 20mm, DC, 2-wire, NO, 2m cable	59.60	4547648406277
241131	E2E-X20MD1-M1J 0.3M	Proximity sensor, inductive, M30, non-shielded, 20mm, DC, 2-wire, NO, pig-tail connector M12	129.30	4547648407106
238529	E2E-X2D1-M1G	Proximity sensor, inductive, M8, shielded, 2mm, DC, 2-wire, NO, M12 Connector	74.40	4547648407649
238563	E2E-X2D1-M3G	Proximity sensor, inductive, M8, shielded, 2mm, DC, 2-wire, NO, M8 Connector	52.95	4547648408196
238455	E2E-X2D1-N 2M	Proximity sensor, inductive, M8, shielded, 2mm, DC, 2-wire, NO, 2m cable	57.05	4547648405829
238456	E2E-X2D1-N 5M	Proximity sensor, inductive, M8, shielded, 2mm, DC, 2-wire, NO, 5m cable	64.45	4547648405836
238517	E2E-X2D1-R 2M	Proximity sensor, inductive, M8, shielded, 2 mm, DC, 2-wire, NO, 2 m robotic cable	73.65	4547648406963
238564	E2E-X2D2-M3G	Proximity sensor, inductive, M8, shielded, 2mm, DC, 2-wire, NC, M8 4-pin connector	52.95	4547648408202
238457	E2E-X2D2-N 2M	Proximity sensor, inductive, M8, shielded, 2mm, DC, 2-wire, NC, 2m cable	57.05	4547648405843
238356	E2E-X2E1 2M	Proximity sensor, inductive, M12, shielded, 2mm, DC, 3-wire, NPN-NO, 2m cable	62.60	4547648403856
238372	E2E-X2F1 2M	Proximity sensor, inductive, M12, shielded, 2 mm, DC, 3-wire, PNP-NO, 2 m cable	49.94	4547648404013
238426	E2E-X2F1-M1	Proximity sensor, inductive, M12, shielded, 2mm, DC, 3-wire, PNP-NO, M12 Connector	69.25	4547648405195
238370	E2E-X2MF1 2M	Proximity sensor, inductive, M8, non-shielded, 2 mm, DC, 3-wire, PNP-NO, 2 m cable PVC oil-resistant	62.60	4547648403993
238413	E2E-X2Y1 2M	Proximity sensor, inductive, M12, shielded, 2mm, AC, 2-wire, NO, 2m cable	81.05	4547648404785
238432	E2E-X2Y1-M1	Proximity sensor, inductive, M12, shielded, 2mm, AC, 2-wire, NO, M12 connector	79.55	4547648405256
238414	E2E-X2Y2 2M	Proximity sensor, inductive, M12, shielded, 2mm, AC, 2-wire, NC, 2m cable	81.05	4547648404792
238539	E2E-X3D1-M1G	Proximity sensor, inductive, M12, shielded, 3mm, DC, 2-wire, NO, M12 Connector	74.40	4547648407809
238533	E2E-X3D1-M1GJ 0.3M	Proximity sensor, inductive, M12, shielded, 3 mm, DC, 2-wire, NO, 0.3 m cable with M12 connector	101.40	4547648407687
257076	E2E-X3D1-M1J 0.3M	Proximity sensor, inductive, M12, shielded, 3mm, DC, 2-wire, NO, pig tail connector, m12, 4 pin	120.50	4547648407052
238459	E2E-X3D1-N 2M	Proximity sensor, inductive, M12, shielded, 3 mm, DC, 2-wire, NO, 2 m cable	50.35	4547648405867
238460	E2E-X3D1-N 5M	Proximity sensor, inductive, M12, shielded, 3 mm, DC, 2-wire, NO, 5 m cable	57.75	4547648405874
238540	E2E-X3D2-M1G	Proximity sensor, inductive, M12, shielded, 3mm, DC, 2-wire, NC, M12 connector	76.25	4547648407823
238461	E2E-X3D2-N 2M	Proximity sensor, inductive, M12, shielded, 3 mm, DC, 2-wire, NC, pre-wired, 2 m cable	49.61	4547648405881
238482	E2E-X4MD1 2M	Proximity sensor, inductive, M8, unshielded, 4mm, DC, 2-wire, NO, 2m cable	51.85	4547648406215
238360	E2E-X5E1 2M	Proximity sensor, inductive, M18, shielded, 5 mm, DC, 3-wire, NPN-NO, 2 m cable	67.75	4547648403894
238427	E2E-X5E1-M1	Proximity sensor, inductive, M18, shielded, 5mm, DC, 3-wire, NPN-NO M12 connector	70.30	4547648405201
238376	E2E-X5F1 2M	Proximity sensor, inductive, M18, shielded, 5 mm, DC, 3-wire, PNP-NO, 2 m cable	54.85	4547648404051
238445	E2E-X5F1-M1	Proximity sensor, inductive, M18, shielded, 5mm, DC, 3-wire, PNP-NO, M12 Connector	70.30	4547648405393
238358	E2E-X5ME1 2M	Proximity sensor, inductive, M12, unshielded, 5mm, DC, 3-wire, NPN-NO, 2m cable	49.24	4547648403870
238429	E2E-X5ME1-M1	Proximity sensor, inductive, M12, non-shielded, 5mm, DC, 3-wire, NPN/NO, connector M12	70.30	4547648405225
238374	E2E-X5MF1 2M	Proximity sensor, inductive, M12, unshielded, 5mm, DC, 3-wire, PNP-NO, 2m cable	49.24	4547648404037
238449	E2E-X5MF1-M1	Proximity sensor, inductive, M12, non-shielded, 5mm, DC, 3-wire, PNP/NO, connector M12	69.25	4547648405430
238415	E2E-X5MY1 2M	Proximity sensor, inductive, M12, unshielded, 5mm, AC, 2-wire, NO, 2m cable	81.05	4547648404808
238388	E2E-X5MY2 2M	Proximity sensor, inductive, M12, unshielded, 5mm, AC, 2-wire, NC, 2m cable	81.05	4547648404259
238389	E2E-X5Y1 2M	Proximity sensor, inductive, M18, shielded, 5mm, AC, 2-wire, NO, 2m cable	74.95	4547648404266
238434	E2E-X5Y1-M1	Proximity sensor, inductive, M18, shielded, 5mm, AC, 2-wire, NO, M12 Connector	74.20	4547648405270
238390	E2E-X5Y2 2M	Proximity sensor, inductive, M18, shielded, 5mm, AC, 2-wire, NC, 2m cable	86.80	4547648404273

Short item number	Order code	Description	Price EUR	GTIN
238541	E2E-X7D1-M1G	Proximity sensor, inductive, M18, shielded, 7 mm, DC, 2-wire, NO, M12 connector	83.25	4547648407830
238534	E2E-X7D1-M1GJ 0.3M	Proximity sensor, inductive, M18, shielded, 7 mm, DC, 2-wire, NO, pig tail connector, m12, 4 pin	65.95	4547648407694
238524	E2E-X7D1-M1J-T 0.3M	Proximity sensor, M18, shielded, 7 mm, DC, 2-wire, NO, No polarity, 0.3 m cable with M12 connector	66.30	4547648407151
238463	E2E-X7D1-N 2M	Proximity sensor, inductive, M18, shielded, 7mm, DC, 2-wire, NO, 2m cable	53.65	4547648405904
238464	E2E-X7D1-N 5M	Proximity sensor, inductive, M18, shielded, 7mm, DC, 2-wire, NO, 5m cable	58.55	4547648405911
238542	E2E-X7D2-M1G	Proximity sensor, M18, shielded, 7 mm, DC, 2-wire, NC	61.15	4547648407854
238465	E2E-X7D2-N 2M	Proximity sensor, inductive, M18, shielded, 7mm, DC, 2-wire, NC, 2m cable	58.90	4547648405928
238466	E2E-X7D2-N 5M	Proximity sensor, inductive, M18, shielded, 7mm, DC, 2-wire, NC, 5m cable	57.75	4547648405935
238515	E2E-X7T1 2M	Proximity sensor, inductive, nickel brass, M18, shielded, 7 mm. AC/DC 2-wire-NO	93.60	4547648406925
238483	E2E-X8MD1 2M	Proximity sensor, inductive, M12, unshielded, 8 mm, DC, 2-wire, NO, 2 m cable	50.35	4547648406239
238545	E2E-X8MD1-M1G	Proximity sensor, inductive, M12, unshielded, 8mm, DC, 2-wire, NO, Pig tail Connector	69.25	4547648407892
235657	E2F-X10F1 2M	Proximity sensor, plastic body, inductive, M30 shielded, 10 mm, DC 3-wire, PNP-NO, 2 m cable	85.15	4547648321235
235694	E2F-X2F1 2M	Proximity sensor, plastic body, inductive, M12, shielded, 2 mm, DC, 3-wire, PNP-NO, 2 m cable	83.10	4547648321198
235696	E2F-X5F1 2M	Proximity sensor, plastic body, inductive, M18, shielded, 5 mm, DC, 3-wire, PNP-NO, 2 m cable	79.75	4547648321211
110588	TL-N10MD1	Proximity sensor, inductive, unshielded, Rectangular, 10mm, 2 wire DC, NO, 2m cable	107.50	4536854113482
110591	TL-N10ME1 2M	Inductive proximity sensor, 10 mm, unshielded, NPN/NO 2 m cable	85.10	4536854478543
110593	TL-N12MD1 2M	Inductive proximity sensor, 12 mm, unshielded, DC 2-wire NO, 2 m cable	104.60	4536854478598
153722	TL-N5ME1 2M	Inductive proximity sensor, 5 mm, unshielded, NPN/NO, 2 m cable	134.10	4536854478536
151479	TL-N7MD1 2M	Inductive proximity sensor, cuboid 25 x 25 mm, 7 mm, unshielded, DC-wire, NO, 2 m cable	125.60	4536854478581
153723	TL-Q2MC1	Proximity sensor, inductive, unshielded, 2 mm, 3 wire, NPN, NO, 2 m cable	93.25	4536854115035
110528	TL-Q5MB1 2M	Inductive proximity sensor, 5 mm, PNP, NO, 2 m cable	65.25	4536854115127
110518	TL-Q5MC1 2M	Inductive proximity sensor, 5 mm, NPN, NO	56.40	4536854114854
110520	TL-Q5MC2 2M	Inductive proximity sensor, 5 mm, NPN, NC	26.71	4536854114885
110526	TL-Q5MD1 2M	Inductive proximity sensor, 5 mm, DC2-wire, NO	57.05	4536854114991

## ZX1 Laser displacement sensor



### Highest performance for optimized productivity

For high precision laser CMOS sensor with separate amplifier see E3NC-S.

- Stable measurement for objects with any surface
- Best in class performance for accuracy and speed
- Compact size for quick mounting
- Increased measurement range
- Simple configuration by one-button, Smart Tuning
- Reliable measurement in harsh environments
- Integrated display

Short item number	Order code	Description	Price EUR	GTIN
358735	ZX1-LD100A81 2M	Laser displacement sensor, 100 +/- 35 mm, PNP, 2m cable	873.00	4548583105843
358743	ZX1-LD100A81 5M	Laser displacement sensor, 100 +/- 35 mm, PNP, 5m cable	913.50	4548583105935
358751	ZX1-LD100A86 0.5M	Laser displacement sensor, 100 +/- 35 mm, PNP, 0,5m pigtail connector	996.00	4548583106048
358737	ZX1-LD300A81 2M	Laser displacement sensor, 300 +/- 150 mm, PNP, 2m cable	873.00	4548583105874
358745	ZX1-LD300A81 5M	Laser displacement sensor, 300 +/- 150 mm, PNP, 5m cable	913.50	4548583105959
358753	ZX1-LD300A86 0.5M	Laser displacement sensor, 300 +/- 150 mm, PNP, 0,5m pigtail connector	996.00	4548583106062
358733	ZX1-LD50A81 2M	Laser displacement sensor, 50 +/- 10 mm. PNP, 2m cable	873.00	4548583105829
358741	ZX1-LD50A81 5M	Laser displacement sensor, 50 +/- 10 mm. PNP, 5m cable	913.50	4548583105911
358749	ZX1-LD50A86 0.5M	Laser displacement sensor, 50 +/- 10 mm. PNP, 0,5m pigtail connector	996.00	4548583106024
358739	ZX1-LD600A81 2M	Laser displacement sensor, 600 +/- 400 mm, PNP, 2m cable	873.00	4548583105898
358747	ZX1-LD600A81 5M	Laser displacement sensor, 600 +/- 400 mm, PNP, 5m cable	913.50	4548583105980
358755	ZX1-LD600A86 0.5M	Laser displacement sensor, 600 +/- 400 mm, PNP, 0,5m pigtail connector	996.00	4548583106086

Short item number	Order code	Description	Price EUR	GTIN
364865	E39-L180	Mounting bracket for ZX1-LD50/LD100 sensor	32.38	4548583104938
364866	E39-L181	Mounting bracket for ZX1-LD300/LD600 sensor	32.38	4548583104945
359063	ZX0-XC10R	Extension cable ZX1 (for pre-wired connector models), 10m	154.40	4548583104914



**Stable, easy & affordable laser measurement sensor**

High accuracy and measurement stability, at an affordable price. The new ZX2 laser sensor offers best in class performance for accuracy and speed for all linear displacement applications. Utilising an advanced HSDR-CMOS image sensor, high measurement stability is achieved, even on the most challenging of surfaces.

- One touch setup
- Accurate: 1.5–5 µm
- Any surface
- High speed: 30 µs

Short item number	Order code	Description	Price EUR	GTIN
351521	ZX2-LD100 0.5M	Laser displacement sensor, CMOS type, sensor head, spot beam type, 100mm +/-35mm, 5µm resolution, 0.5m cable	718.50	4548583005938
351522	ZX2-LD100L 0.5M	Laser displacement sensor, CMOS type, sensor head, line beam type, 100mm +/-35mm, 5µm resolution, 0.5m cable	685.00	4548583005945
351519	ZX2-LD50 0.5M	Laser displacement sensor, CMOS type, sensor head, spot beam type, 50mm +/-10mm, 1.5µm resolution, 0.5m cable	663.00	4548583005914
351520	ZX2-LD50L 0.5M	Laser displacement sensor, CMOS type, sensor head, line beam type, 50mm +/-10mm, 1.5µm resolution, 0.5m cable	681.50	4548583005921
351516	ZX2-LDA41 2M	Laser displacement sensor, CMOS type, amplifier unit, PNP output	552.00	4548583005877

Short item number	Order code	Description	Price EUR	GTIN
352349	ZX2-CAL	Calculation unit for ZX2 smart sensor	214.80	4548583005884
392414	ZX2-SF11	RS232C communication interface	570.50	4548583488236
351517	ZX2-XC1R	Extension cable (amplifier to head), 1m	105.00	4548583005891
351518	ZX2-XC4R	Extension cable (amplifier to head), 4m	165.80	4548583005907
351523	ZX2-XC9R	Extension cable (amplifier to head), 9m	260.60	4548583005952



**The scalable high-precision laser measurement sensor**

Smart ZS-HL sensor offers superb dynamic sensing range for all surfaces from black rubber to glass and mirror surfaces by simply scaling it to your needs. The ZS-HL is the enhanced variant of the ZS-L, applicable for longer measurement distances, and offers compatibility with sensor heads and accessories.

- Highest resolution and dynamic sensing range for all surfaces
- Modular and scalable platform concept for up to 9 sensors
- Easy to use, install and maintain for all user levels
- Fast response time of 110 µs
- Multi-tasking capability - Manages up to 4 measurement tools in one controller

Short item number	Order code	Description	Price EUR	GTIN
223618	ZS-HLDC41	ZS-H controller, analog output and PNP digital outputs	1,485.00	4547648218634





### Smart, fast and accurate Laser measurement sensor

Smart ZX-L offers plug & measure technology for applications where high resolution and fast response time is required. A wide range of interchangeable sensor heads provides greater flexibility in solving most demanding applications.

- Small and light sensor heads for easy integration
- High speed response time of 150µs
- Easy sensor head replacement
- Scalability through a modular platform concept
- Multipoint measurement with up to 5 sensors

Short item number	Order code	Description	Price EUR	GTIN
154718	ZX-LD100	Laser displacement sensor head, 100+/-40mm, spot focus (requires amplifier)	1,119.00	4536854772306
150241	ZX-LD40	Laser displacement sensor head, 40+/-10mm, spot focus (requires amplifier)	1,119.00	4536854772290
169183	ZX-LDA11-N 2M	Smart Sensor amplifier and display, selectable voltage/current output, high/pass/low transistor NPN outputs	1,156.00	4547648027342
169184	ZX-LDA41-N 2M	Smart Sensor amplifier and display, selectable voltage/current output, high/pass/low transistor PNP outputs	1,178.00	4547648027359
106277	ZX-LT005	Laser sensor head, through-beam, 5mm beam width (requires amplifier)	1,156.00	4536854810121
106279	ZX-LT010	Laser sensor head, through-beam, 10mm beam width (requires amplifier)	1,163.00	4536854823633
182448	ZX-LT030 0.5M	Laser sensor head, through-beam, 30mm beam width (requires amplifier)	1,551.00	4547648147934



### Smart inductive measurement sensor

ZX-E offers the best solution for the accurate measurement of metallic objects. It is highly recommended in harsh environments such as automotive and metal working machines.

- High resolution of 1 µm
- High-speed response time of 150µs
- Easy sensor head replacement
- Modular platform concept for different sensing technologies
- Easy linearity adjustment for any metal

Short item number	Order code	Description	Price EUR	GTIN
147926	ZX-EDA41 2M	Proximity Smart Sensor amplifier and display, selectable voltage/current output, high/pass/low transistor, PNP output model	929.00	4536854864063
162403	ZX-EM02HT	Inductive proximity sensor head, 12mm dia., Heat resistant, 2mm sensing distance (requires ZX-EDA amplifier)	1,091.00	4547648007979
106190	ZX-EM02T	Inductive proximity sensor head, 10mm dia., Shielded type, 2mm sensing distance (requires ZX-EDA amplifier)	633.00	4536854895777
106191	ZX-EM07MT	Inductive proximity sensor head, 18mm dia., Shielded type, 7mm sensing distance (requires ZX-EDA amplifier)	1,055.00	4536854895784



**Smart Contact measurement sensor**

ZX-T is ideal for applications where the target object may contain oil deposits or other micro-structures. In this case contact measurement is the most reliable way.

- Modular platform concept for different sensing technologies
- Air-retracting types for automated inspection
- Multipoint measurement with up to 8 sensors
- Pressing force alarm prevents malfunction
- Strong ball bearing structure assures long life time

Short item number	Order code	Description	Price EUR	GTIN
175666	ZX-TDA41 2M	Contact smart sensor amplifier and display, selectable voltage/current output, high/pass/low transistor, PNP output model	1,168.00	4547648095488
168125	ZX-TDS04T	Sensor head, standard type Ø 6 mm, distance 4 mm (for use with ZX-TDA)	1,914.00	4547648006071

Short item number	Order code	Description	Price EUR	GTIN
680914	ZS-XRS3	RS-232C cable, 2 m cable length, for PC connection	152.00	4549734168717



**Easy profile measurement - Teach & Go**

The ZG2 enables precise shape measurement on challenging materials and surfaces. An easy and intuitive user interface enables efficient installation, setup and operation. A built-in LCD monitor indicates the measurement result in real time.

- Easy-to-use - intuitive user interface
- Live - built-in LCD monitor for setup and immediate profile display
- Versatile - 18 measurement tools
- Accurate - 5 µm resolution (3 mm / 631 pixels)
- Wide profiles - up to 70 mm

Short item number	Order code	Description	Price EUR	GTIN
257544	ZG2-WDC41A	ZG Profile sensor controller, PNP, 24 VDC, includes Smart Monitor ZG Software.	4,800.00	4547648621687





### Smart Laser Micrometer - Accurate and fast on all surfaces

The new ZX-GT Smart laser micrometer complements Omron's Smart Laser Measurement platform. ZX-GT is able to detect edges, measure diameters of objects and calculate precisely the position on all kind of materials. Based on CCD technology ZX-GT achieves high accuracy and speed under difficult environmental conditions. Transparent objects, reflective surfaces or different positions do not have an influence on the result. The PC Smart Monitor software helps to easily setup and configure the laser micrometer.

- High accuracy: 5 – 10µm
- All surfaces
- Long sensing distance: < 500 mm
- Line width up to 28mm
- Calculation unit for multiple heads

Short item number	Order code	Description	Price EUR	GTIN
238017	ZX-GT28S41	Sensor head separate type, measuring width 28mm, distance 500mm, PNP (for use with ZX-GTC)	2,833.00	4547648424400
238015	ZX-GTC41	controller, PNP output	873.00	4547648424387

## Additional measurement sensors

## Additional measurement sensors

Short item number	Order code	Description	Price EUR	GTIN
106271	ZX-XC1A 1M	Extension cable (amplifier to head), 1m	192.30	4536854776465
267630	ZX-XC4A 4M	Extension cable (amplifier to head), 4m	263.30	4547648597081
106274	ZX-XC8A 8M	Extension cable (amplifier to head), 8m	360.10	4536854810169

WL-N Series limit switches simplify installation

Models focus on the most popular features to make stocking easier.

- Improved durability and performance
- Reduced part numbers
- Easy wiring
- Direct and pre-wiring
- Ground terminal models are approved by EN and IEC and bear the CE marking
- UL,CSA



Short item number	Order code	Description	Price EUR	GTIN
392899	WLCA12-2NG-N	Limit switch, adjustable roller lever: R25 to 89 mm, pretravel 15±5°, overtravel 90°, DPDB, Pg13.5 with ground terminal	96.45	4548583477520
392901	WLCA12-GLD-N	Limit switch, adjustable roller lever: R25 to 89 mm, pretravel 15±5°, DPDB, LED, Pg13.5 with ground terminal	76.25	4548583477742
392927	WLCA12-G-N	Limit switch, adjustable roller lever: R25 to 89 mm, pretravel 15±5°, DPDB, Pg13.5 with ground terminal	58.30	4548583485198
392902	WLCA12-THG-N	Limit switch, adjustable roller lever: R25 to 89 mm, pretravel 15±5°, DPDB, Heat-resistant: +5°C to +120°C, Pg13.5 with ground terminal	111.60	4548583477858
392945	WLCA2-2G-N	Limit switch, roller lever: R38 mm, pretravel 15±5°, Overtravel 90°, DPDB, Pg13.5 with ground terminal	62.40	4548583478077
392905	WLCA2-2NG-N	Limit switch, roller lever: R38 mm, pretravel 15±5°, Overtravel 90°, DPDB, Pg13.5 with ground terminal	73.90	4548583478152
392932	WLCA2-G-N	Limit switch, roller lever: R38 mm, pretravel 15±5°, DPDB, Pg13.5 with ground terminal	54.75	4548583485334
392912	WLCA2-THG-N	Limit switch, roller lever: R38 mm, pretravel 15±5°, DPDB, Heat-resistant: +5°C to +120°C, Pg13.5 with ground terminal	76.25	4548583478862
392936	WLCA2-Y-N	Limit switch, adjustable roller lever: standard, DPDB, M20 with ground terminal	48.98	4548583485402
411084	WLCA32-41G-N	Limit switch, lock fork roller lever, DPDB, 10 A	69.00	4548583543478
393479	WLCA32-43G-N	Limit switch, fork lever lock, LED indicator, DPDB, 10 A, pre-wired connector	69.35	4548583543515
674239	WLCA4-G1LD-N	Limit switch, roller lever, DPDB, LED, G1/2 with ground terminal	112.40	4548583478985
392938	WLCL-G-N	Limit switch, adjustable rod lever: 25 to 140 mm, pretravel 15±5°, DPDB, Pg13.5 with ground terminal	57.10	4548583485440
411087	WLD18-TS-N	Limit switch, top plunger, DPDB, 10A, 1/2-14NPT with ground terminal	49.35	4548583543577
411106	WLD28-G-N	Limit switch, roller top plunger, DPDB, 10 A, Pg13.5 with ground terminal	51.60	4548583543614
411091	WLNJ-2G-N	Limit switch, flexible rod coil spring resin rod, DPDB, 10 A	54.75	4548583543720
411092	WLNJ-30G-N	Limit switch, coil spring - multi-wire, DPDB, 10A	67.20	4548583543751
393483	WLNJ-G-N	Limit switch, Flexible rod, pretravel 20±10 mm, DPDB, G1/2 with ground terminal	40.66	4548583543805
406411	WLNJ-S2G-N	Limit switch, Flexible rod: Steel wire pretravel 20±10 mm, DPDB, Pg13,5 with ground terminal	47.56	4548583543836
411097	WLS2-G-N	Limit switch, Horizontal-roller plunger, Pg13.5 with ground terminal	67.95	4548583543911

Short item number	Order code	Description	Price EUR	GTIN
108305	WL-1A100	WL series limit switch replacement roller lever	7.28	4536854171215
108307	WL-2A100	Replacement actuator for WL series limit switch: adjustable roller lever, standard roller	9.28	4536854171246
108308	WL-3A100	Replacement actuator for WL series limit switch: adjustable rod lever	21.86	4536854171253
108323	WL-9H100	WL series limit switch replacement head with coil spring lever	15.47	4536854171765

### Compact limit switch in metal housing



The 16 mm flat and compact size make the D4C range of limit switches very popular for all standard applications but especially where mounting space is limited or protruding housings may interfere with machine operation. The triple sealed construction, the rugged metal housing and the precisely manufactured movable parts ensure long operational life in standard or oily environments (special models).

- 16 mm flat compact size
- Rugged metal housing
- Models with M12 connector or oil resistant VCTF cable

Short item number	Order code	Description	Price EUR	GTIN
134459	D4C-1201	Compact enclosed limit switch, pin plunger, 5 A 250 VAC, 4 A 30 VDC, 3m VCTF oil-resistant cable	45.03	4536853210052
134460	D4C-1202	Compact enclosed limit switch, roller plunger, 5 A 250 VAC, 4 A 30 VDC, 3m VCTF oil-resistant cable	44.78	4536853210069
134461	D4C-1203	Compact enclosed limit switch, cross roller plunger, 5 A 250 VAC, 4 A 30 VDC, 3m VCTF oil-resistant cable	47.98	4536853210076
105810	D4C-1220	Compact enclosed limit switch, roller lever, 5 A 250 VAC, 4 A 30 VDC, 3m VCTF oil-resistant cable	57.75	4536853210113
147957	D4C-1224	Compact enclosed limit switch, roller lever (high sensitivity), 5 A 250 VAC, 4 A 30 VDC, 3 m VCTF oil-resistant cable	59.50	4536853210151
134463	D4C-1231	Compact enclosed limit switch, sealed pin plunger, 5 A 250 VAC, 4 A 30 VDC, 3m VCTF oil-resistant cable	55.25	4536853210182
134464	D4C-1232	Compact enclosed limit switch, sealed roller plunger, 5 A 250 VAC, 4 A 30 VDC, 3m VCTF oil-resistant cable	57.75	4536853210199
134469	D4C-1250	Compact enclosed limit switch, plastic rod, 5 A 250 VAC, 4 A 30 VDC, 3 m VCTF oil-resistant cable	57.10	4536853210243
134470	D4C-1302	Compact enclosed limit switch, roller plunger, 5 A 250 VAC, 4 A 30 VDC, 5 m VCTF oil-resistant cable	60.60	4536853210274
134484	D4C-1502	Compact enclosed limit switch, roller plunger, 5 A 250 VAC, 4 A 30 VDC, 5 m VCTF cable	55.05	4536853210588
105813	D4C-3202	Compact enclosed limit switch, roller plunger, 4 A 30 VDC, 3 m VCTF oil-resistant cable	49.67	4536853212865
134379	D4C-3224	Compact enclosed limit switch, roller lever (high sensitivity), 4 A 30 VDC, 3m VCTF oil-resistant cable	55.00	4536853212933
134317	D4C-4232	Compact enclosed limit switch, sealed roller plunger, 0.1 A 125 VAC, 0.1 A 30 VDC, 3 m VCTF oil-resistant cable	57.75	4536853214043
144739	D4C-4332	Compact enclosed limit switch, sealed roller plunger, 0.1 A 125 VAC, 0.1 A 30 VDC, 5 m VCTF oil-resistant cable	65.25	4536853214203
134260	D4C-6403	Compact enclosed limit switch	59.10	4536853215682
150121	D4CC-3002	Compact limit switch, connector type, 1 A 30 VDC, roller plunger	59.30	4536853208417
153483	D4CC-3024	Compact limit switch, connector type, 1 A 30 VDC, high sensitivity roller lever	65.60	4536853208448
134522	D4CC-3031	Compact limit switch, connector type, 1 A 30 VDC, sealed pin plunger	61.20	4536853208462
154611	D4CC-3032	Compact limit switch, connector type, 1 A 30 VDC, Sealed roller plunger	68.10	4536853208479
134526	D4CC-3050	Compact limit switch, connector type, 1 A 125 VAC, plastic rod	80.05	4536853208523
134529	D4CC-4002	Compact limit switch, connector type, 1 A 30 VDC, roller plunger	67.40	4536853208561



### Limit switch in compact metal housing with terminal block

The compact housing size and the terminal block with side facing cable exit allow the mounting where space is crucial and self-wiring connection is preferred. The rugged and tight housing construction provides high protection while the low-force actuators make the ZC limit switch ideal for switching smaller or lighter objects.

- Terminal block for self-wiring with side facing cable exit
- Low-force actuators for switching smaller or lighter objects
- Rugged metal housing with IP67 protection

Short item number	Order code	Description	Price EUR	GTIN
106416	ZC-D55	Enclosed basic switch, plunger, SPDT, 15A	26.13	4536854251061
106345	ZC-N2155	Enclosed basic switch, sealed cross roller plunger, SPDT, 15 A	39.61	4536854252730
151806	ZC-N2255	Enclosed basic switch, Sealed roller plunger, SPDT, 15A	39.61	4536854252907
106332	ZC-Q2155	Enclosed basic switch, panel mount cross roller plunger, SPDT, 15A	31.08	4536854251436
151804	ZC-Q2255	Enclosed basic switch, panel mount roller plunger, SPDT, 15A	31.44	4536854252365
106425	ZC-Q55	Enclosed basic switch, panel mount plunger, SPDT, 15A	30.27	4536854251276
106351	ZC-W155	Enclosed basic switch, hinge lever, SPDT, 15 A	24.10	4536854253249
106353	ZC-W2155	Enclosed basic switch, hinge roller lever, SPDT, 15 A	25.60	4536854253416
106352	ZC-W255	Enclosed basic switch, short hinge roller lever, SPDT, 15A	25.60	4536854253409
106356	ZC-W3155	Enclosed basic switch, Standard sensitivity, IP67, Snap action, Self-reset mechanism, Single-Pole, Double-Throw type, SPDT, One-way action hinge roller lever, 15A	26.54	4536854253690



### Limit switch with basic plastic housing

The Z series of basic switches in plastic housing provide the same electrical and mechanical switching capability and lifetime as standard limit switches. But with the basic plastic housing the basic switches are an ideal solution with best value for money for uncritical environments or when separately encased in subassemblies.

- Cost efficient basic plastic housing for subassemblies
- Same electrical and mechanical switching ratings as standard limit switches

Short item number	Order code	Description	Price EUR	GTIN
103031	Z-15ESR	General purpose basic switch, slim sprung plunger, SPDT, 15A high capacity, solder terminals	12.02	4536854262500
382405	Z-15G	General purpose basic switch, pin plunger, SPDT, 15 A, solder terminals	6.94	4548583364974
382399	Z-15G-B	General purpose basic switch, pin plunger, SPDT, 15 A, screw terminals	7.73	4548583364912
382406	Z-15GD	General purpose basic switch, short spring plunger, SPDT, 15 A, solder terminals	8.49	4548583364981
382407	Z-15GD55-B	General purpose basic switch, short spring plunger, SPDT, 15 A, drip proof, screw terminals	11.56	4548583364998
382398	Z-15GD-B	General purpose basic switch, short spring plunger, SPDT, 15 A, screw terminals	8.49	4548583364905
105033	Z-15GK355-B	General purpose basic switch, plunger (high-operating point), SPDT, 15A, screw terminals	14.28	4536854263316
145324	Z-15GK55	General purpose basic switch, plunger (mid-operating point), SPDT, 15A	11.96	4536854263354
106760	Z-15GK55-B	General purpose basic switch, plunger (mid-operating point), SPDT, 15A, screw terminals	12.33	4536854263361
103032	Z-15GK655-B	General purpose basic switch	12.33	4536854265679
106644	Z-15GL2-B	General purpose basic switch, roller leaf spring, SPDT, 15 A, screw terminals	9.57	4536854266126
106641	Z-15GL-B	General-purpose Basic Switch, 15 A, Leaf spring, screw terminal	8.84	4536854266065
106609	Z-15GM	General purpose basic switch, reverse hinge lever, SPDT, 15A, solder terminals	8.49	4536854268359
106613	Z-15GM2-B	General purpose basic switch, reverse hinge roller lever, SPDT, 15A	8.50	4536854268427
106610	Z-15GM-B	General purpose basic switch, reverse hinge roller lever, SPDT, 15A	8.49	4536854268366
154125	Z-15GNJ55-B	General purpose basic switch, flexible rod, SPDT, 15A, drip-proof	17.39	4536854266003
382403	Z-15GQ	General purpose basic switch, panel mount plunger (medium OP), SPDT, 15 A, solder terminals	9.90	4548583364950
106621	Z-15GQ21	General purpose basic switch, panel mount cross roller plunger, SPDT, 15A	13.52	4536854265174
156316	Z-15GQ21-B	General purpose basic switch, panel mount cross roller plunger, SPDT, 15A	13.52	4536854265419

Short item number	Order code	Description	Price EUR	GTIN
382404	Z-15GQ22	General purpose basic switch, panel mount roller plunger, SPDT, 15 A, solder terminals	13.12	4548583364967
145325	Z-15GQ2255-B	General purpose basic switch, panel mount roller plunger, SPDT, 15 A, drip proof, screw terminals	18.90	4536854265983
106686	Z-15GQ22A55-B5V	General-purpose Basic Switch, 15 A, panel mount roller plunger, drip-proof, screw terminal with terminal cover	25.43	4536854264016
382397	Z-15GQ22-B	General purpose basic switch, panel mount roller plunger, SPDT, 15 A, screw terminals	13.52	4548583364899
106626	Z-15GQ3-B	Basic switch, low operating force, panel mount plunger, SPDT, 15A	12.33	4536854265372
106635	Z-15GQ55-B	General purpose basic switch, panel mount plunger, SPDT, 15A, drip-proof	15.43	4536854265945
143082	Z-15GQ8-B	General purpose basic switch, high operating force, panel mount plunger, SPDT, 15 A	13.12	4536854265433
382396	Z-15GQ-B	General purpose basic switch, panel mount plunger (medium OP), SPDT, 15A, screw terminals	10.80	4548583364875
106533	Z-15GQ-B7-K	General purpose basic switch, panel mount plunger (medium OP), SPDT, 15 A, screw terminals	11.78	4536854269325
106694	Z-15GS-B	General purpose basic switch, slim spring plunger, SPDT, 15A	9.25	4536854264559
382401	Z-15GW	General purpose basic switch, hinge lever (low OF), SPDT, 15A, solder terminals	7.33	4548583364936
382402	Z-15GW2	General purpose basic switch, hinge roller lever, SPDT, 15A, solder terminals	7.73	4548583364943
103033	Z-15GW21-B	General purpose basic switch, short hinge lever, SPDT, 15 A	6.94	4536854266553
382400	Z-15GW22	General purpose basic switch, short hinge roller lever, SPDT, 15 A, solder terminals	7.73	4548583364929
144235	Z-15GW2255	General purpose basic switch, short hinge roller lever, SPDT, 15A, drip-proof	10.80	4536854266805
382408	Z-15GW2255-B	General purpose basic switch, short hinge roller lever, SPDT, 15 A, drip proof, screw terminals	10.43	4548583365001
106575	Z-15GW2277	General purpose basic switch, unidirectional short hinge roller lever, SPDT, 15A	10.04	4536854266904
377800	Z-15GW2277-B	General purpose basic switch, Unidirectional short hinge roller lever (low OF), SPDT, 15A, screw terminals	10.43	4548583364820
143081	Z-15GW22A55-B5V	General purpose basic switch, short hinge roller lever, SPDT, 15 A, drip proof, screw terminals with terminal cover	23.12	4536854263934
377795	Z-15GW22-B	General purpose basic switch, short hinge roller lever, SPDT, 15A, screw terminals	7.73	4548583364745
106571	Z-15GW22S	General purpose basic switch, short hinge steel roller lever, SPDT, 15 A	7.74	4536854266768
151808	Z-15GW255-B	General purpose basic switch, hinge roller lever, SPDT, 15A, drip-proof, screw terminal	11.56	4536854267147
106681	Z-15GW2A55-B5V	General purpose basic switch, hinge roller lever, SPDT, 15 A, drip proof, screw terminals with terminal cover	17.75	4536854263910
377796	Z-15GW2-B	General purpose basic switch, hinge roller lever, SPDT, 15A, screw terminals	7.73	4548583364752
106594	Z-15GW4	General purpose basic switch, low force hinge lever, SPDT, 15A	7.33	4536854267482
149618	Z-15GW4455-B	General purpose basic switch, long hinge lever, SPDT, 15 A, drip proof, screw terminals	11.96	4536854267581
106595	Z-15GW4-B	General purpose basic switch, low force hinge lever, SPDT, 15A	7.33	4536854267499
106603	Z-15GW55-B	General purpose basic switch, hinge lever, SPDT, 15A, drip-proof	10.80	4536854267826
377797	Z-15GW-B	General purpose basic switch, hinge lever (low OF), SPDT, 15A, screw terminals	7.33	4548583364769
143086	Z-15HNJ55-B	General purpose basic switch, flexible rod (steel), SPDT, high sensitive, drip proof, screw terminals	20.18	4536854270505
155993	Z-15HW24-B	General purpose basic switch, hinge lever, SPDT, high sensitive, screw terminal	9.65	4536854270888
106482	Z-15HW78	General purpose basic switch, wire hinge lever, SPDT, 15A	10.56	4536854271298
106483	Z-15HW78-B	General purpose basic switch, wire hinge lever, SPDT, 15A, screw terminal	10.43	4536854271304

Short item number	Order code	Description	Price EUR	GTIN
137468	AP-B	Screw Terminal Use (Phenol Resin) for Z15 switch	0.46	4536853004736
186943	APB-PG	Terminal cover for Z15 switch, plastic	2.15	4536853899103
239600	AP-DV	Z Switch Drip-proof Terminal Protective Cover	4.27	4536853004903
148140	AP-Z	Soldering or Screw Terminal Use (Vinyl Chloride) for Z15 switch	2.95	4536853004880



### Limit switches with mounting shape and pitch variations

Extending the standard and compact limit switches the D4E, D4MC, WL, ZE and ZV families provide mounting alternatives.

- The WL standard size provides a popular mounting shape and pitch in many countries
- The D4E and D4MC compact size provide alternative housing sizes and mounting pitches
- The ZE compact size provides diagonal mounting holes
- The ZV compact sizes provides base mounting holes

Short item number	Order code	Description	Price EUR	GTIN
155720	D4E-1A10N	Limit switch, slim sealed, connector type, general purpose, roller plunger	40.71	4536853222949
134060	D4E-1A20N	Limit switch, slim sealed, screw terminal, general purpose, roller plunger	44.50	4536853222956
134063	D4E-1B10N	Limit switch, slim sealed, connector type, general purpose, cross roller plunger	40.71	4536853222987
134064	D4E-1B20N	Limit switch, slim sealed, screw terminal, general purpose, cross roller plunger	47.93	4536853222994
134067	D4E-1C10N	Limit switch, slim sealed, connector type, general purpose, plunger	45.67	4536853223021
155721	D4E-1C20N	Limit switch, slim sealed, screw terminal, general purpose, plunger	36.38	4536853223038
133989	D4E-1D10N	Limit switch, slim sealed, connector type, general purpose, sealed roller plunger	68.50	4536853223410
133990	D4E-1D20N	Limit switch, slim sealed, screw terminal, general purpose, sealed roller plunger	71.55	4536853223830
236316	D4E-1E10N	Limit switch, slim sealed, connector type, general purpose, sealed cross roller plunger	82.95	4536853224073
133993	D4E-1E20N	Limit switch, slim sealed, screw terminal, general purpose, sealed cross roller plunger	73.80	4536853224042
133974	D4E-1G20N	Limit switch, slim sealed, screw terminal, general purpose, roller lever	44.87	4536853223076
133978	D4E-2A20N	Limit switch, slim sealed, screw terminal, general purpose, roller plunger	50.25	4536853223151

## D4E, SHL

## Limit switches



### Limit switches with alternative connection and wiring

Extending the standard and compact limit switches the D4E, SHL and WL families provide models with pre-wired connectors (pigtails), terminal blocks with alternative conduit sizes (PG13.5, G1/2, 1/2" 14NPT), soldering contacts, screw on conduit covers and optional cable breakage protection.

Short item number	Order code	Description	Price EUR	GTIN
111615	SHL-D55	Subminiature enclosed switch, plunger actuator	27.99	4536853780425
111705	SHL-D55-01	Subminiature enclosed switch, plunger actuator, 0.1A micro load	34.51	4536853779016
147187	SHL-Q2155	Enclosed switch, panel mount across roller plunger, SPDT, 10A	31.27	4536853780821
111610	SHL-Q2155-01	Enclosed switch, panel mount across roller plunger, SPDT, 10A micro voltage	33.00	4536853779450
145031	SHL-Q2255	Enclosed switch, panel mount roller plunger, SPDT, 10A	32.08	4536853781002
111611	SHL-Q2255-01	Enclosed switch, panel mount roller plunger, SPDT, 10A micro voltage	32.68	4536853779627
106139	SHL-Q55	Subminiature enclosed switch, panel mount plunger	28.54	4536853780623
111621	SHL-W155	Enclosed switch, hinge lever, SPDT, 10A	28.94	4536853781637
153766	SHL-W2155	Enclosed switch, hinge roller lever, SPDT, 10A	28.97	4536853781651
104735	SHL-W255	Enclosed switch, short hinge roller lever, SPDT, 10A	27.58	4536853781408





### Oil resistant limit switch with better reliability for applications with frequent switching in oily environment

Limit Switch with HNBR/Fluororubber for superiour resistance to oil to prevent infiltration of moving sections.

- HNBR/Fluororubber parts prevent infiltration of oil from moving sections
- Fluorine resin cable withstands cutting oil
- Models available with SmartClick connectors
- Minute load model with gold cladding is optimal for electronic control
- Approved by EN (TÜV)
- IP67G is the degree of protection which is defined according to the Japanese Industrial Standards JIS C0920

Short item number	Order code	Description	Price EUR	GTIN
674830	D4ER-1A21N	Limit switch, slim sealed, screw terminal, general purpose, roller plunger, right-hand, pre-cabled, oil-resistant	55.00	4548583868571



### Limit switch with plastic housing

The D4N series of limit switches in plastic housing is the ideal switch for all standard mechanical position detection applications both for safety and non-safety applications.

- Direct opening mechanism and approval by notified body
- Rugged plastic housing with double insulation
- Wide range of actuators
- M12 connectors or terminal block with M20 conduit

Short item number	Order code	Description	Price EUR	GTIN
170095	D4N-1120	Limit switch, Roller lever (resin lever, resin roller), 1NC/1NO (snap-action), 1NC/1NO (snap-action), Pg13.5 (1-conduit)	12.68	4547648033732
170101	D4N-1122	Limit switch, Roller lever (metal lever, resin roller), 1NC/1NO (snap-action), 1NC/1NO (snap-action), Pg13.5 (1-conduit)	16.99	4547648033794
170140	D4N-112G	Limit switch, Adjustable roller lever, form lock (metal lever, resin roller), 1NC/1NO (snap-action), 1NC/1NO (snap-action), Pg13.5 (1-conduit)	15.55	4547648034180
170146	D4N-112H	Limit switch, Adjustable roller lever, form lock (metal lever, rubber roller), 1NC/1NO (snap-action), 1NC/1NO (snap-action), Pg13.5 (1-conduit)	19.89	4547648034241
170114	D4N-1131	Limit switch, Top plunger, 1NC/1NO (snap-action), 1NC/1NO (snap-action), Pg13.5 (1-conduit)	10.12	4547648033923
170120	D4N-1132	Limit switch, Top roller plunger, 1NC/1NO (snap-action), 1NC/1NO (snap-action), Pg13.5 (1-conduit)	11.19	4547648033985
170126	D4N-1162	Limit switch, One-way roller arm lever (horizontal), 1NC/1NO (snap-action), 1NC/1NO (snap-action), Pg13.5 (1-conduit)	11.25	4547648034043
170181	D4N-1232	Limit switch, Top roller plunger, 2NC (snap-action), 2NC (snap-action), Pg13.5 (1-conduit)	11.58	4547648034593
170219	D4N-1A20	Limit switch, Roller lever (resin lever, resin roller), 1NC/1NO (slow-action), 1NC/1NO (slow-action), Pg13.5 (1-conduit)	15.55	4547648034975
170267	D4N-1A2G	Limit switch, Adjustable roller lever, form lock (metal lever, resin roller), 1NC/1NO (slow-action), 1NC/1NO (slow-action), Pg13.5 (1-conduit)	15.91	4547648035453
170274	D4N-1A2H	Limit switch, Adjustable roller lever, form lock (metal lever, rubber roller), 1NC/1NO (slow-action), 1NC/1NO (slow-action), Pg13.5 (1-conduit)	19.14	4547648035521
170238	D4N-1A31	Limit switch, Top plunger, 1NC/1NO (slow-action), 1NC/1NO (slow-action), Pg13.5 (1-conduit)	11.19	4547648035163
170245	D4N-1A32	Limit switch, Top roller plunger, 1NC/1NO (slow-action), 1NC/1NO (slow-action), Pg13.5 (1-conduit)	11.19	4547648035231
170251	D4N-1A62	Limit switch, One-way roller arm lever (horizontal), 1NC/1NO (slow-action), 1NC/1NO (slow-action), Pg13.5 (1-conduit)	12.68	4547648035293
170281	D4N-1B20	Limit switch, Roller lever (resin lever, resin roller), 2NC (slow-action), 2NC (slow-action), Pg13.5 (1-conduit)	14.82	4547648035590
170309	D4N-1B32	Limit switch, Top roller plunger, 2NC (slow-action), 2NC (slow-action), Pg13.5 (1-conduit)	11.19	4547648035880
170081	D4N-2120	Limit switch, Roller lever (resin lever, resin roller), 1NC/1NO (snap-action), 1NC/1NO (snap-action), G1/2 (1-conduit)	13.71	4547648030328
170593	D4N-2187	Limit switch, Plastic rod, 1NC/1NO (snap-action), 1NC/1NO (snap-action), G1/2 (1-conduit)	19.81	4547648038683

Short item number	Order code	Description	Price EUR	GTIN
168848	D4N-4120	Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (snap-action), roller lever (resin lever, resin roller)	11.93	4547648030335
170104	D4N-4122	Limit switch, Roller lever (metal lever, resin roller), 1NC/1NO (snap-action), 1NC/1NO (snap-action), M20 (1-conduit)	15.91	4547648033824
170112	D4N-4125	Limit switch, Roller lever (metal lever, metal roller), 1NC/1NO (snap-action), 1NC/1NO (snap-action), M20 (1-conduit)	18.79	4547648033909
170142	D4N-412G	Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (snap-action), adjustable roller lever (metal lever, resin roller)	14.45	4547648034203
170148	D4N-412H	Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (snap-action), adjustable roller lever (metal lever, rubber roller)	20.59	4547648034265
170083	D4N-4131	Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (snap-action), top plunger	9.65	4547648030359
170085	D4N-4132	Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (snap-action), top roller plunger	10.46	4547648030373
170087	D4N-4162	Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (snap-action), one-way roller arm lever (horizontal)	11.24	4547648030397
170135	D4N-4172	Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (snap-action), one-way roller arm lever (vertical)	14.45	4547648034135
170590	D4N-4180	Limit switch, cat whisker, 1 conduit, M20	25.28	4547648038652
170595	D4N-4187	Limit switch, plastic rod, 1 conduit, M20	19.69	4547648038706
170155	D4N-4220	Limit switch, Roller lever (resin lever, resin roller), 2NC (snap-action), 2NC (snap-action), M20 (1-conduit)	13.01	4547648034333
170184	D4N-4232	Limit switch, Top roller plunger, 2NC (snap-action), 2NC (snap-action), M20 (1-conduit)	12.83	4547648034623
170192	D4N-4262	Limit switch, One-way roller arm lever (horizontal), 2NC (snap-action), 2NC (snap-action), M20 (1-conduit)	11.58	4547648034708
170605	D4N-4287	Limit switch, Plastic rod, 2NC (snap-action), 2NC (snap-action), M20 (1-conduit)	19.98	4547648038805
170089	D4N-4A20	Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (slow-action), roller lever (resin lever, resin roller)	14.08	4547648030410
170270	D4N-4A2G	Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (slow-action), adjustable roller lever (metal lever, resin roller)	14.82	4547648035484
170277	D4N-4A2H	Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (slow-action), adjustable roller lever (metal lever, rubber roller)	19.53	4547648035552
170240	D4N-4A31	Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (slow-action), top plunger	10.12	4547648035187
170092	D4N-4A32	Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (slow-action), top roller plunger	10.55	4547648030441
170254	D4N-4A62	Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (slow-action), one-way roller arm lever (horizontal)	11.93	4547648035323
170630	D4N-4ARE	Limit switch, Fork lever lock (right operation), 1NC/1NO (slow-action), 1NC/1NO (slow-action), M20 (1-conduit)	42.53	4547648044745
170336	D4N-4B2G	Safety Limit switch, D4N, M20 (1 conduit), 2NC (slow-action), adjustable roller lever (metal lever, resin roller)	15.29	4547648036153
170312	D4N-4B32	Safety Limit switch, D4N, M20 (1 conduit), 2NC (slow-action), top roller plunger	10.42	4547648035910
170375	D4N-4C32	Safety Limit switch, D4N, M20 (1 conduit), 2NC/1NO (slow-action), top roller plunger	14.08	4547648036535
170100	D4N-8120	Limit switch, Roller lever (resin lever, resin roller), 1NC/1NO (snap-action), 1NC/1NO (snap-action), M20 (2-conduit)	19.89	4547648033787
170119	D4N-8131	Limit switch, plunger, 2 conduit, M20	15.59	4547648033978
170131	D4N-8162	Limit switch, one way roller arm lever (horiz), 2 conduit, M20	19.89	4547648034098
170250	D4N-8A32	Limit switch, Top roller plunger, 1NC/1NO (slow-action), 1NC/1NO (slow-action), M20 (2-conduit)	16.56	4547648035286
170097	D4N-9120	Safety Limit switch, D4N, M12 connector (1 conduit), 1NC/1NO (snap-action), roller lever (resin lever, resin roller)	34.99	4547648033756
170143	D4N-912G	Safety Limit switch, D4N, M12 connector (1 conduit), 1NC/1NO (snap-action), adjustable roller lever (metal lever, resin roller)	37.53	4547648034210
170122	D4N-9132	Safety Limit switch, D4N, M12 connector (1 conduit), 1NC/1NO (snap-action), top roller plunger	30.71	4547648034005
170305	D4N-9B31	Safety Limit switch, D4N, M12 connector (1 conduit), 2NC/1NO (slow-action), top plunger	28.73	4547648035842



### Detects objects in multiple directions with high sensitivity

D5B's detection of objects in multiple directions with high sensitivity makes it an ideal switch for usage in robotics. It operates even with a slight force and a slow-action mechanism is used. Its movement differential is as small as 0.01mm, assuring high accuracy of detection.

- High-sensitivity mechanical touch switch
- Detects objects in multiple directions and operates with slight force
- Movement differential of 0.01mm assures high accuracy of detection
- Gold-plated contacts capable of switching micro current/voltage load
- Highly resistant to dust, fine particles, water or oil splashes (IP67)

Short item number	Order code	Description	Price EUR	GTIN
133715	D5B-1013	Tactile Limit switch, M10 body, hemispheric actuator, 3 m prewired	60.00	4536853227692
133717	D5B-1023	Tactile Limit switch, M10 body, conical actuator, 3 m prewired	69.80	4536853227722
133719	D5B-1511	Tactile Limit switch, M10 body, short spring wobble stick actuator, 1 m prewired	59.30	4536853227746
133720	D5B-1513	Tactile Limit switch, M10 body, short spring wobble stick actuator, 3 m prewired	59.70	4536853227753
133721	D5B-1515	Tactile Limit switch, M10 body, short spring wobble stick actuator, 5 m prewired	64.75	4536853227760
151368	D5B-1533	Tactile Limit switch, M10 body, long spring wobble stick actuator, 3 m prewired	60.00	4536853227784
133724	D5B-5011	Tactile Limit switch, M5 body, hemispheric actuator, 1 m prewired	55.00	4536853227807
133725	D5B-5013	Tactile Limit switch, M5 body, hemispheric actuator, 3 m prewired	59.30	4536853227814
133641	D5B-8513	Tactile Limit switch, M8 body, short spring wobble stick actuator, 3 m prewired	70.15	4536853227982

Short item number	Order code	Description	Price EUR	GTIN
142473	D4A-1101N	Limit switch, double-pole, double-break, without indicator, standard roller lever	111.60	4536853200633
134828	D4A-2918N	Limit switch, four-pole, double-break, centre neutral, without indicator, roller lever	171.30	4536853201753
134835	D4A-4501N	Limit switch, four-pole, double-break, without indicator, top lever, standard	180.90	4536853202279
147956	D4A-4918N	Limit switch, four-pole, double-break, centre neutral, without indicator, roller lever	202.70	4536853202460
134865	D4A-A00	Replacement lever, roller lever type	22.09	4536853198121
103625	D4A-C00	Replacement lever, adjustable roller lever type	25.31	4536853198268
133872	D4MC-1000	Enclosed switch, hinge lever, SPDT, 10 A	14.72	4536853225490
150872	D4MC-2000	Enclosed switch, hinge roller lever, SPDT, 10 A	15.16	4536853226510
133874	D4MC-2020	Enclosed switch, short hinge roller lever, SPDT, 10 A	14.36	4536853225650
104167	D4MC-3030	Enclosed switch, 1-way, short hinge roller lever, SPDT, 10 A	16.96	4536853225933
156466	D4MC-5000	Enclosed switch, panel mount plunger, SPDT, 10 A	18.78	4536853225995
133783	D4MC-5020	Enclosed switch, panel mount roller plunger, SPDT, 10 A	20.76	4536853226114
133785	D4MC-5040	Enclosed switch, panel mount cross roller plunger, SPDT, 10 A	20.96	4536853226244
668126	D4V-8108Z	Limit switch D4V, adjustable roller lever: R30 to 75 mm, DPDB, with ground terminal	50.55	4547648271691
105958	D5A-1100	Limit switch	113.10	4536853227272
133699	D5A-3200	Limit switch	132.40	4536853227364
133713	D5A-9515	Limit switch, High-precision Switch for Detecting Micron-unit Displacement, Bevel plunger, IP67, pre-wired connector 5 m	199.80	4536853227661
133644	D5C-1DA0	Touch switch, free-attachment, M4 screw actuator, DC, 3-wire, NPN-NO, 3 m cable	137.10	4536853228033
133557	DZ-10G-1B	Basic switch, pin plunger, 10 A, DPDT, screw terminals	16.58	4536853181819
133564	DZ-10GW-1B	Basic switch, hinge lever, 10 A, DPDT, screw terminals	19.81	4536853181994
133567	DZ-10GW2-1B	Basic switch, hinge roller lever, 10 A, DPDT, screw terminals	21.17	4536853182021
133569	DZ-10GW22-1B	Basic switch, short hinge roller lever, 10 A, DPDT, screw terminals	19.81	4536853182052
378665	HL-5000G	Limit switch, Roller lever, With ground terminal	38.48	4548583439153
378666	HL-5030G	Limit switch, Adjustable roller lever, With ground terminal	39.61	4548583439177
378667	HL-5050G	Limit switch, Adjustable rod lever, With ground terminal	39.36	4548583439191
378668	HL-5100G	Limit switch, Sealed plunger, With ground terminal	43.62	4548583439214
378654	HL-5200G	Limit switch, Sealed roller plunger, With ground terminal	45.88	4548583439238
378655	HL-5300G	Limit switch, Coil spring, With ground terminal	45.85	4548583439252
156285	TZ-1GV	High temperature basic switch, hinge lever, 1 A	185.60	4536854126833
109866	TZ-1GV22	High temperature basic switch, short hinge roller lever, 1 A	201.20	4536854126857
108112	X-10GM-B	Basic switch, general purpose, reverse hinge lever, 10A, screw terminals	16.59	4536854245558
106372	ZE-N21-2G	Enclosed switch, sealed cross roller plunger, SPDT, 15 A	69.70	4536854255120
104736	ZE-N22-2G	Enclosed switch, sealed roller plunger, SPDT, 15A	69.35	4536854255151
106370	ZE-N-2G	Enclosed switch, plunger, SPDT, 15A	37.47	4536854255038
151525	ZE-NA2-2G	Enclosed switch, roller arm lever, SPDT, 15A	46.98	4536854255229
149257	ZE-Q21-2G	Enclosed switch, cross roller plunger, SPDT, 15A	40.77	4536854254840
150415	ZE-Q22-2G	Enclosed switch, roller plunger, SPDT, 15A	40.40	4536854255496
106359	ZE-Q-2G	Enclosed switch, plunger, SPDT, 15A	36.82	4536854254789
152689	ZE-QA2-2G	Enclosed switch, roller arm lever, SPDT, 15 A	41.11	4536854254932
154929	ZV2-N-2G	Enclosed switch, diagonal side mounting, sealed plunger, SPDT, 15 A	44.34	4536854260773

**Miniature size rotary encoder**

The E6A family of rotary encoders features a small sized dia 25mm housing.

- Small sized dia 25mm housing



Short item number	Order code	Description	Price EUR	GTIN
147610	E6A2-CS5C 360P/R 2M	Encoder, incremental, 360ppr, 12-24 VDC, NPN open collector, 2 m cable	170.60	4536853366728
128484	E6A2-CW5C 100P/R 0.5M	Encoder, incremental, 100ppr, 12-24 VDC, NPN open collector, 0.5m cable	159.10	4536853366490
128501	E6A2-CW5C 100P/R 2M	Encoder, incremental, 100ppr, 12-24 VDC, NPN open collector, 2m cable	171.90	4536853366810
128485	E6A2-CW5C 200P/R 0.5M	Encoder, incremental, 200ppr, 12-24 VDC, 2-phase, NPN open collector, 0.5m cable	159.10	4536853366506
128502	E6A2-CW5C 200P/R 2M	Encoder, incremental, 200ppr, 12-24 VDC, 2-phase, NPN open collector, 2m cable	171.70	4536853366827
128414	E6A2-CWZ5C 200P/R 0.5M	Encoder, incremental, 200 ppr, 12 to 24 VDC, NPN open collector, 0.5 m cable	164.20	4536854494055

## Compact size rotary encoder

The E6B family of incremental rotary encoders features a housing size dia 40mm.

- Line driver output models available



Short item number	Order code	Description	Price EUR	GTIN
236008	E6B2-CWZ1X 1000P/R 0.5M	Encoder, incremental, 1000 ppr, 5 VDC, Line driver 0.5 m cable	209.00	4547648295543
235972	E6B2-CWZ1X 1000P/R 2M	Encoder, incremental, 1000ppr, 5 VDC, Line driver 2m cable	224.80	4547648295642
235966	E6B2-CWZ1X 1024P/R 0.5M	Encoder, incremental, 1024ppr, 5 VDC, Line driver 0.5m cable	263.00	4547648296311
236009	E6B2-CWZ1X 2000P/R 0.5M	Encoder, incremental, 2000ppr, 5 VDC, Line driver 0.5m cable	230.60	4547648295581
235935	E6B2-CWZ1X 500P/R 0.5M	Encoder, incremental, 500ppr, 5 VDC, Line driver 0.5m cable	195.40	4547648295529
235986	E6B2-CWZ5B 1000P/R 0.5M	Encoder, incremental, 1000ppr, 12-24 VDC, PNP output, 0.5m cable	212.80	4547648296212
235982	E6B2-CWZ5B 100P/R 0.5M	Encoder, incremental, 100ppr, 12-24 VDC, PNP output, 0.5m cable	220.60	4547648296168
235987	E6B2-CWZ5B 2000P/R 0.5M	Encoder, incremental, 2000ppr, 12-24 VDC, PNP output, 0.5m cable	234.50	4547648296229
235984	E6B2-CWZ5B 360P/R 0.5M	Encoder, incremental, 360ppr, 12-24 VDC, PNP output, 0.5m cable	263.30	4547648296182
361819	E6B2-CWZ5B 360P/R 2M	Encoder, incremental, 360 ppr, 12 to 24 VDC, PNP output, 0.5 m cable	210.90	4547648462907
235985	E6B2-CWZ5B 500P/R 0.5M	Encoder, incremental, 500ppr, 12-24 VDC, PNP output, 0.5m cable	235.20	4547648296199
236001	E6B2-CWZ6C 1000P/R 0.5M	Encoder, incremental, 1000 ppr, 5 to 24 VDC, 3-phase, NPN output, 0.5 m cable	210.90	4547648295185
236012	E6B2-CWZ6C 1000P/R 2M	Encoder, incremental, 1000ppr, 5-24 VDC, 3-phase, NPN output	220.90	4547648295611
236010	E6B2-CWZ6C 100P/R 2M	Encoder, incremental, 100ppr, 5-24 VDC, 3-phase, NPN output	223.80	4547648295598
236005	E6B2-CWZ6C 2000P/R 0.5M	Encoder, incremental, 2000ppr, 5-24 VDC, NPN output, 0.5m cable	274.90	4547648295222
235979	E6B2-CWZ6C 2000P/R 2M	Encoder, incremental, 2000ppr, 5-24VDC, 3-phase, NPN output, 2m cable	242.30	4547648295949
236015	E6B2-CWZ6C 200P/R 2M	Encoder, incremental, 200ppr, 5-24 VDC, 3-phase, NPN output	191.40	4547648295703
235997	E6B2-CWZ6C 360P/R 0.5M	Encoder, incremental, 360 ppr, 5 to 24 VDC, NPN output, 0.5 m cable	210.90	4547648295147
236014	E6B2-CWZ6C 360P/R 2M	Encoder, incremental, 360ppr, 5-24 VDC, 3-phase, NPN output	220.90	4547648295697
236011	E6B2-CWZ6C 500P/R 2M	Encoder, incremental, 500ppr, 5-24 VDC, 3-phase, NPN output	207.00	4547648295604
236013	E6B2-CWZ6C 600P/R 2M	Encoder, incremental, 600ppr, 5-24VDC, 3-phase, NPN output	214.90	4547648295659





### Improved water resistant rotary encoder

The E6C family of dia 50mm incremental rotary encoders features an improved water resistance compared to standard models.

- IP64f or IP65f drip-proof, oil-proof construction

Short item number	Order code	Description	Price EUR	GTIN
257299	E6C2-CWZ1X 1000P/R 2M	Encoder, incremental, 1000ppr, 5 VDC, Line driver output, 2m cable	298.90	4547648528559
257319	E6C2-CWZ1X 1000P/R 5M	Encoder, incremental, 1000 ppr, 5 VDC, Line driver output, 5 m cable	336.90	4547648528856
257303	E6C2-CWZ1X 2000P/R 2M	Encoder, incremental, 2000ppr, 5 VDC, Line driver output, 2m cable	318.70	4547648528597
257297	E6C2-CWZ1X 360P/R 2M	Encoder, incremental, 360 ppr, 5 VDC, Line driver output, 2 m cable	238.30	4547648528535
257309	E6C2-CWZ5B 1000P/R 2M	Encoder, incremental, 1000ppr, 12-24 VDC, PNP output, 2m cable	252.60	4547648528658
257304	E6C2-CWZ5B 100P/R 2M	Encoder, incremental, 100ppr, 12-24 VDC, PNP output, 2m cable	224.10	4547648528603
257310	E6C2-CWZ5B 2000P/R 2M	Encoder, incremental, 2000ppr, 12-24 VDC, PNP output, 2m cable	270.50	4547648528665
257305	E6C2-CWZ5B 200P/R 2M	Encoder, incremental, 200ppr, 12-24 VDC, PNP output, 2m cable	224.10	4547648528610
257306	E6C2-CWZ5B 360P/R 2M	Encoder, incremental, 360ppr, 12-24 VDC, PNP output, 2m cable	236.30	4547648528627
257307	E6C2-CWZ5B 500P/R 2M	Encoder, incremental, 500ppr, 12-24 VDC, PNP output, 2m cable	238.30	4547648528634
257263	E6C2-CWZ6C 1000P/R 2M	Encoder, incremental, 1000ppr, 5-24 VDC, NPN output, 2m cable	294.00	4547648528191
257256	E6C2-CWZ6C 100P/R 2M	Encoder, incremental, 100ppr, 5-24 VDC, NPN output, 2m cable	222.00	4547648528122
257267	E6C2-CWZ6C 2000P/R 2M	Encoder, incremental, 2000ppr, 5-24 VDC, NPN output, 2m cable	314.30	4547648528238
257257	E6C2-CWZ6C 200P/R 2M	Encoder, incremental, 200ppr, 5-24 VDC, NPN output, 2m cable	222.00	4547648528139
257259	E6C2-CWZ6C 360P/R 2M	Encoder, incremental, 360ppr, 5-24 VDC, NPN output, 2m cable	234.60	4547648528153
257261	E6C2-CWZ6C 500P/R 2M	Encoder, incremental, 500ppr, 5-24 VDC, NPN output, 2m cable	236.30	4547648528177
257255	E6C2-CWZ6C 60P/R 2M	Encoder, incremental, 60ppr, 5-24 VDC, NPN output, 2m cable	260.30	4547648528115
149118	E6C3-CWZ3XH 3600P/R 2M	Encoder incremental 8 dia rugged housing, line driver output, 3600 ppr, 2m cable	433.50	4536854871825
143733	E6C3-CWZ5GH 1000P/R 2M	Encoder incremental 8 dia rugged housing, 1000ppr, 12-24 VDC, Complimentary output, 2m cable	400.50	4536854871399
151300	E6C3-CWZ5GH 100P/R 2M	Encoder incremental 8 dia rugged housing, 100ppr, 12-24 VDC, Complimentary output, 2m cable	360.80	4536854871313
128259	E6C3-CWZ5GH 2500P/R 2M	Rotary Encoder	400.50	4536854871467
128260	E6C3-CWZ5GH 3600P/R 2M	Encoder incremental 8 dia rugged housing, complimentary output, 3600 ppr, 2m cable	433.50	4536854871474
143732	E6C3-CWZ5GH 360P/R 2M	Encoder incremental 8 dia rugged housing, complimentary output 360 ppr, 2m cable	360.80	4536854871344
146939	E6C3-CWZ5GH 500P/R 2M	Encoder incremental 8 dia rugged housing, complimentary output, 500 ppr, 2m cable	400.50	4536854871351



### Rugged housing rotary encoder

The E6F family of dia 60mm rotary encoders features a rugged housing.

- Strong shaft for max 120 N in radial direction and max 50 N in thrust direction)
- Water- and oil-proof structure (IP65f)

Short item number	Order code	Description	Price EUR	GTIN
128114	E6F-CWZ5G 1000P/R 2M	Encoder, incremental, 1000 ppr, 12 to 24 VDC complimentary output, 2 m cable	537.50	4536854740435



### Improved water resistant rotary encoder

The E6C family of dia 50mm incremental rotary encoders features an improved water resistance compared to standard models.

- IP65f drip-proof, oil-proof construction
- 8mm shaft Diameter

Short item number	Order code	Description	Price EUR	GTIN
128235	E6C3-AG5B 1024P/R 2M	Encoder, absolute, 1024ppr, 9-bit, 12-24 VDC, gray code output, 2m cable	527.00	4536854871221
156885	E6C3-AG5B 360P/R 2M	Encoder, absolute, 360ppr, 9-bit, 12-24 VDC, PNP open collector, gray code output, 2m cable	527.00	4536854871207
128234	E6C3-AG5B 720P/R 2M	Encoder, absolute, 720ppr, 9-bit, 12-24 VDC, PNP open collector, gray code output, 2m cable	527.00	4536854871214
128225	E6C3-AG5C 360P/R 2M	Encoder, absolute, 360 ppr, 9-bit, 12-24 VDC, NPN open collector, gray code output, 2 m cable	513.00	4536854870965
145873	E6C3-AG5C-C 256P/R 2M	Encoder, absolute, 256ppr, 9-bit, 12-24 VDC, NPN open collector, gray code output, 2m cable	527.00	4536854871061
103666	E6C3-AG5C-C 360P/R 2M	Encoder, absolute, 360ppr, 9-bit, 12-24 VDC, NPN open collector, gray code output, 2m cable	527.00	4536854871078
168881	E6C3-AG5C-C 720P/R 2M	Encoder, absolute, 720ppr, 9-bit, 12-24 VDC, NPN open collector, gray code output, 2m cable	527.00	4547648048125

## E6F-A

## Rotary encoders



### Rugged housing rotary encoder

The E6F family of dia 60mm rotary encoders features a rugged housing.

- Stronger shaft and higher durability (120 N in radial direction and 50 N in thrust direction) than previous E6F Encoders
- Drip-proof construction meets IP64F standards
- High-resolution models (1024 pulses max. per revolution)
- Faster response for high-speed control applications (gray code: 20 kHz)

Short item number	Order code	Description	Price EUR	GTIN
154208	E6F-AB3C-C 360 2M	Encoder, absolute, 360ppr, 10-bit, 5-12 VDC, BCD output, 2m cable, H8PR connector	671.00	4536853371975
128108	E6F-AG5B 360 2M	Encoder, absolute, 360ppr, 8-bit, 12-24 VDC, gray code output, 2m cable	589.50	4536854687877
145524	E6F-AG5C-C 256 2M	Encoder, absolute, 256ppr, 8-bit, 12-24 VDC, gray code output, 2m cable, H8PS connector	589.00	4536853372033
168882	E6F-AG5C-C 360 2M	Encoder, absolute, 360ppr, 8-bit, 12-24 VDC, gray code output, 2m cable, H8PS connector	602.00	4547648048132
168883	E6F-AG5C-C 720 2M	Encoder, absolute, 720ppr, 8-bit, 12-24 VDC, gray code output, 2m cable, H8PS connector	629.00	4547648048149

Short item number	Order code	Description	Price EUR	GTIN
128545	E69-C04B	Accessory encoder, shaft coupling dia. 4mm	16.62	4536853373498
128543	E69-C06B	Accessory encoder, shaft coupling for E6B2/E6C2-C/E6CP/E6D encoder	17.00	4536853373467
144309	E69-C06M	Accessory encoder, shaft coupling dia. 6mm, metal	74.25	4536853373634
150821	E69-C08B	Accessory encoder, shaft coupling for E6C3-A encoder	23.80	4536853373689
156411	E69-C10B	Accessory encoder, shaft coupling for E6F encoder	26.77	4536853373504
224046	E69-C10M	Accessory encoder, shaft coupling dia. 10 mm, metal	100.10	4536853373641
128458	E69-C610B	Shaft coupling for E6F-C encoder, Different end diameter	32.25	4536853373610
105487	E69-C68B	Accessory encoder, shaft coupling dia. 6mm and 8mm	28.50	4536853373603
357358	E69-DF10	Extension cable for E6C2-A/E6C3-A/E6CP/E6F encoders, 10 m	201.50	4548583064980
357361	E69-DF20	Extension cable for E6C2-A/E6C3-A/E6CP/E6F encoders, 20 m	306.30	4536853373573
357364	E69-DF5	Extension cable for E6C2-A/E6C3-A/E6CP/E6F encoders, 5m	143.90	4536853373542
143272	E69-FCA	Flange for E6C2-C encoder	9.95	4536853373481

## Additional sensors

## Additional sensors

Short item number	Order code	Description	Price EUR	GTIN
131841	E2K-C25ME1	Proximity sensor, capacitive, 34 mm dia, unshielded, 25 mm, DC, 3-wire, NPN-NO, 2 m cable	154.30	4536853263683
104692	E2K-C25ME2	Proximity sensor, capacitive, 34 mm dia, unshielded, 25 mm, DC, 3-wire, NPN-NC, 2 m cable	157.40	4536853263706
147129	E2K-C25MF1	Proximity sensor, capacitive, 34mm dia, unshielded, 25mm, DC, 3-wire, PNP-NO, 2m cable	154.30	4536853263690
131842	E2K-C25MF2	Proximity sensor, capacitive, 34mm dia, unshielded, 25mm, DC, 3-wire, PNP-NC, 2m cable	154.30	4536853263713
106106	E2K-F10MC1	Proximity sensor, capacitive, flat, unshielded, 10mm, DC, 3-wire, NPN-NO, 2m cable	75.30	4536853264048
171939	E2K-F10MC1-A 2M	Proximity sensor, capacitive, flat, unshielded, 10 mm, DC, 3-wire, NPN-NO, 2 m cable	100.90	4547648085656
131854	E2K-F10MC2	Proximity sensor, capacitive, flat, unshielded, 10mm, DC, 3-wire, NPN-NC, 2m cable	75.30	4536853264079
131855	E2K-L13MC1 2M	Capacitive, Liquid level sensing, 8 to 11mm tube, NPN, 2m cable	186.10	4536854711954
153644	E2K-L26MC1 2M	Capacitive, Liquid level sensing, 12 to 26mm tube, NPN	128.30	4536854711947
131777	E2K-X15ME1	Proximity sensor, capacitive, M30, unshielded, 15 mm, DC, 3-wire, NPN-NO, 2 m cable	121.70	4536853264352
131788	E2K-X15MF1	Proximity sensor, capacitive, M30, unshielded, 15mm, DC, 3-wire, PNP-NO, 2m cable	121.70	4536853264635
131774	E2K-X4ME1	Proximity sensor, capacitive, M12, unshielded, 4mm, DC, 3-wire, NPN-NO, 2m cable	103.60	4536853264253
131783	E2K-X4MF1	Proximity sensor, capacitive, M12, unshielded, 4mm, DC, 3-wire, PNP-NO, 2m cable	103.60	4536853264550
131775	E2K-X8ME1	Proximity sensor, capacitive, M18, unshielded, 8mm, DC, 3-wire, NPN-NO, 2m cable	117.40	4536853264307
151474	E2K-X8MF1	Proximity sensor, capacitive, M18, unshielded, 8mm, DC, 3-wire, PNP-NO, 2m cable	117.40	4536853264598
157072	E2K-X8MF2	Proximity sensor	117.40	4536853264611
224790	E4C-DS30	Ultrasonic sensor, M18, 50 to 300 mm, diffuse	729.00	4547648213264

Short item number	Order code	Description	Price EUR	GTIN
127294	F39-L12	Protective Bracket, One each for emitter & receiver, (mounting screws included)	35.43	4536854487347



### V430-F Industrial Ethernet Barcode Reader

The V430-F redefines the imager market as the smallest IP65/67-rated, true-industrial Ethernet barcode reader. With best-in-class decoding for 1D/2D or DPM codes in a rugged, ultra-compact case, the ID-40 is the complete package for solving any barcode reading challenge under any condition. Combining unprecedented ease-of-use, exceptional decode performance, optional liquid lens autofocus, and ultra-small form factor, the ID-40 sets the benchmark as the ultimate compact imager in the industry.

- Ultra-compact (44.5 mm x 44.5 mm x 25.4 mm)
- IP65/67
- High-speed Ethernet, Serial RS-232
- X-Mode advanced decoding algorithms
- Optional liquid lens autofocus
- EtherNet/IP, Ethernet TCP/IP
- Passive Power over Ethernet (PoE)
- Integrated targeting and read/pass indicators
- WebLink browser-based setup interface

Short item number	Order code	Description	Price EUR	GTIN
683080	V430-F000M12M	V430 ID reader, 1.2 Mpix, middle view, Autofocus	3,057.00	4549734191777
683075	V430-F000W12M	V430 ID reader, 1.2 Mpix, wide view, Autofocus	3,057.00	4549734191760

Short item number	Order code	Description	Price EUR	GTIN
683098	V430-AF2	V/F 4x0-F Standard Polarizer Installation Kit	166.10	4549734191968
683099	V430-AF3	V/F 4x0-F Standard Right Angle Mirror Installation Kit	157.70	4549734191975
683100	V430-AM0	V/F 4x0-F L Bracket Adjustable Angle Mounting Kit	59.40	4549734191982
683101	V430-AM1	V/F 4x0-F 1/4-20 Camera Mounting Block Kit	33.93	4549734191999
683088	V430-W8-3M	V/F 430-F M12 to Flying Leads Cable, 3 m	126.00	4549734191869
683090	V430-W8-5M	V/F 430-F M12 to Flying Leads Cable, 5 m	157.70	4549734191883
683087	V430-WE-3M	V/F 430-F Ethernet cable M12 plug on camera to RJ45 connector, 3 m	126.00	4549734191852
683091	V430-WE-5M	V/F 430-F Ethernet cable M12 plug on camera to RJ45 connector, 5 m	157.70	4549734191890



### MicroHAWK ID-40 & ID-45 Industrial Ethernet Barcode Readers

The MicroHAWK ID-40 redefines the imager market as the smallest IP65/67-rated, true-industrial Ethernet barcode reader. With best-in-class decoding for 1D/2D or DPM codes in a rugged, ultra-compact case, the ID-40 is the complete package for solving any barcode reading challenge under any condition. Combining unprecedented ease-of-use, exceptional decode performance, optional liquid lens autofocus, and ultra-small form factor, the ID-40 sets the benchmark as the ultimate compact imager in the industry.

- Ultra-compact (44.5 mm x 44.5 mm x 25.4 mm)
- IP65/67
- High-speed Ethernet, Serial RS-232*f*
- X-Mode advanced decoding algorithms
- Optional liquid lens autofocus
- EtherNet/IP, Ethernet TCP/IP, PROFINET
- Passive Power over Ethernet (PoE)
- Integrated targeting and read/pass indicators
- WebLink browser-based setup interface

Short item number	Order code	Description	Price EUR	GTIN
682393	7412-1000-1005	MicroHAWK ID-40, IP65 Case, 24 VDC, Ethernet, SXGA, 1.2 Megapixel, Mono, Standard Density, Autofocus, Red LED, High Speed, X-Mode Decoder	3,059.00	4549734217071
682409	7412-2000-1003	MicroHAWK ID-40, IP65 Case, 24 VDC, Ethernet, SXGA, 1.2 Megapixel, Mono, High Density, Autofocus, Red LED, Standard Speed, X-Mode Decoder	2,568.00	4549734217088
682367	7412-2000-1005	MicroHAWK ID-40, IP65 Case, 24 VDC, Ethernet, SXGA, 1.2 Megapixel, Mono, High Density, Autofocus, Red LED, High Speed, X-Mode Decoder	3,059.00	4549734217095
682346	7412-2000-2005	MicroHAWK ID-40, IP65 Case, 24 VDC, Ethernet, SXGA, 1.2 Megapixel, Mono, High Density, Autofocus, White LED, High Speed, X-Mode Decoder	3,059.00	4549734217101



**All codes with one touch**

The new compact FQ-CR1 code reader enables accurate, reliable and easy reading of bar-codes and 2D codes, thanks to superior crystal clear imaging technology, which it shares with the other products in our highly regarded FQ family of vision sensors.

- 1D code reader
- 2D code reader
- Crystal-clear image quality
- One-touch control via simple, icon-driven menu

Short item number	Order code	Description	Price EUR	GTIN
371411	FQ-CR15010F-M	Code reader, multi code, distance 38-60mm, view 7-13mm, PNP	1,658.00	4548583343337
371415	FQ-CR15100F-M	Code reader, multi code, long distance 220-970mm, view 53-240mm, PNP	1,734.00	4548583343382



**All-In-One (barcode, 2D code, text, quality inspection, positioning)**

For the combination of code reading or verification tasks with quality inspection and/or positioning tasks, the FQ2-S4 is the ideal solution for all required functionalities in one compact housing. Up to 32 individual inspection tasks can be set up with the easy-to-use and detachable programming devices.

- All-in-one solution for up to 32 code reading & verification, text, quality inspection and positioning tasks
- Easy-to-use and detachable programming devices
- IP67

Short item number	Order code	Description	Price EUR	GTIN
373120	FQ2-S45050F	FQ2 vision sensor, ID + Inspection, color, PNP, standard view(50 mm)	3,599.00	4548583361980
373128	FQ2-S45050F-M	FQ2 vision sensor, ID + Inspection, mono, PNP, standard view(50 mm)	3,599.00	4548583362062
373137	FQ2-S45100F-08	FQ2 vision sensor, high resolution, ID + Inspection, color, PNP, wide view(240mm), long distance(970mm)	4,419.00	4548583362154
373145	FQ2-S45100F-08M	FQ2 vision sensor, high resolution, ID + Inspection, mono, PNP, wide view(240mm), long distance(970mm)	4,419.00	4548583362239
373129	FQ2-S45100F-M	FQ2 vision sensor, ID + Inspection, mono, PNP, wide view(240mm), long distance(970mm)	3,506.00	4548583362079
373122	FQ2-S45100N	FQ2 vision sensor, ID + Inspection, color, PNP, wide view(300 mm), short distance(380 mm)	2,852.00	4548583362000
373138	FQ2-S45100N-08	FQ2 vision sensor, high resolution, ID + Inspection, color, PNP, wide view(300 mm), short distance(380 mm)	4,515.00	4548583362161
373146	FQ2-S45100N-08M	FQ2 vision sensor, high resolution, ID + Inspection, mono, PNP, wide view(300mm), short distance(380mm)	4,419.00	4548583362246
373130	FQ2-S45100N-M	FQ2 vision sensor, ID + Inspection, mono, PNP, wide view(300mm), short distance(380mm)	3,024.00	4548583362086
373147	FQ2-S45-13	FQ2 vision sensor, c-mount type, ID + Inspection, color, PNP	4,121.00	4548583362260





### HS-360X "Ultra-Rugged" Direct Part Mark Handheld

The HS-360X Ultra-Rugged Handheld Scanner is an industrial direct part mark (DPM) reader, purpose built from the ground up to set new standards for durability and performance.

- The HS-360X includes X-Mode decoding algorithms to consistently read damaged, distorted or otherwise challenging directly marked codes at high decode rates.
- With best-in-class out-of-box performance most applications require no setup.
- The WebLinkPC user interface makes setup for more difficult applications intuitive and easy.
- The IP65-sealed charging station transmits and receives data over Bluetooth up to 100 m, and the cordless scanner achieves more than 50,000 scans per full charge and includes an on board battery gauge.
- In addition to 2.45 m drops, the housing of the scanner tolerates many industrial fluids and chemicals, such as motor oil and brake fluid.

Short item number	Order code	Description	Price EUR	GTIN
682207	HDS-3678-0001	Handheld DPM Scanner, Cordless, HDS-3678	2,271.00	4549734947213



### MS-3 Compact Laser Barcode Scanner

The MS-3 laser barcode scanner offers the fastest read performance in embedded compact barcode scanners.

- Decodes/second: up to 1000
- Read range: 51 to 254 mm
- Wide scan angle
- IP54 enclosure

Short item number	Order code	Description	Price EUR	GTIN
682373	FIS-0003-0001G	MS-3 Barcode Reader, Single Line, Low Density	1,208.00	4549734216517
682344	FIS-0003-0003G	MS-3 Barcode Reader, Raster, Low Density	1,275.00	4549734216531



**QX-830 Industrial Barcode Scanner**

The QX-830 industrial barcode scanner combines revolutionary flexible connectivity with high performance decoding capabilities to reliably read 1D barcodes in almost any automation environment. In addition to the X-Mode technology, the QX-830 features IP54 industrial sealing and embedded Ethernet protocols.

High performance, simple connectivity, and IP54 enclosure make the QX-830 an ideal industrial barcode scanner for any industrial application.

- Scans/second: 300 to 1400
- Read range: 25 to 762 mm
- Embedded Ethernet TCP/IP & EtherNet/IP
- IP54 enclosure

Short item number	Order code	Description	Price EUR	GTIN
682345	FIS-0830-1002G	QX-830 Scanner, Single Line, MD, Serial & Ethernet	2,308.00	4549734216678
682391	FIS-0830-1005G	QX-830 Scanner, Raster Line, MD, Serial & Ethernet	2,308.00	4549734216708

**Additional ident systems**

**Ident systems**

Short item number	Order code	Description	Price EUR	GTIN
682137	FIS-0004-0001G	MS-4 Imager, SD, RS-232, 5 VDC	1,346.00	4549734259101



### 3 in 1 RFID system: Antenna, Amplifier & Controller in a single compact housing

The all-in-one design of the V680S RFID system provides simple installation. Communication via a Modbus TCP connection, ideal for industrial applications, makes system expansion possible with minimal effort. Configuration via the integrated web browser interface is fast and requires no additional software or special cables.

- Ethernet (Modbus TCP)
- WEB browser can be used for setting, monitoring, and communications with RFID tags
- RFID Analyser
- Communication Diagnostic

Short item number	Order code	Description	Price EUR	GTIN
108924	CJ1W-V600C11	ID Sensor Unit, single-head, compatible with V600 RFID series	1,448.00	4536854870866
148904	CJ1W-V600C12	ID Sensor Unit, double-head, compatible with V600 RFID series	2,049.00	4536854870873
244991	CJ1W-V680C11	V680 RFID Sensor unit, one channel, for CJ-series PLCs	1,479.00	4547648510714
244992	CJ1W-V680C12	V680 RFID Sensor unit, two channel, for CJ-series PLCs	2,108.00	4547648510721
237730	V680-D1KP52MT	V680 ID Tag, I-CODE SLI, EEPROM, 1KB user memory, round, 8mm diameter x 5mm	30.80	4547648393645
323787	V680-D1KP53M	V680 ID Tag, I-CODE SLI, EEPROM, 1KB user memory, round, 10 mm diameter x 4.5 mm	30.38	4547648616966
346282	V680-D1KP54T	V680 ID Tag, I-CODE SLI, EEPROM, 1KB user memory, round, 2.0mm diameter x 2.7 mm	28.65	4547648826693
237732	V680-D1KP66MT	V680 ID Tag, I-CODE SLI, EEPROM, 1KB user memory, square, 34 x 34 x 3.5mm, for flush mounting on metallic surfaces	32.15	4547648393652
237731	V680-D1KP66T	V680 ID Tag, I-CODE SLI, EEPROM, 1KB user memory, square, 34 x 34 x 3.5mm, for flush mounting on non-metallic surfaces	26.42	4547648393669
246937	V680-HAM42-DRT	V680 DeviceNet Slave controller	833.50	4547648546140
246939	V680-HAM81	V680 amplifier-integrated controller (ID Flag sensor) read and write 16 bits of data, PNP output	551.00	4547648550932
245177	V680-HS51 2M	V680 Read/Write Antenna, cylindrical type, M12 x 35 mm, standard cable, non-waterproof connector, 2m	234.60	4547648514545
231857	V680-HS52-W 2M	V680 Read/Write Antenna, Cylinder type, standard cable with IP67 connector, 2m	212.50	4547648318402
231862	V680-HS63-W 12.5M	V680 Read/Write Antenna, Square type, 40x53x23mm, standard cable with IP67 connector, 12.5m	249.00	4547648318464
231861	V680-HS63-W 2M	V680 Read/Write Antenna, Square type, 40x53x23mm, standard cable with IP67 connector, 2m	188.50	4547648318457
376246	V680S-A41 5M	V680S ID reader/writer Ethernet and power cable, M12 - RJ45, length 5m	271.20	4548583408036
386321	V680S-D2KF67	V680S RF Tag, 2 kbytes, 40x40x5 for flush mounting on nonmetallic surface	38.10	4548583453951
386322	V680S-D2KF67M	V680S RF Tag, 2 kbytes, 40 x 40 x 5 for flush mounting on metallic surface	69.75	4548583453968
419015	V680S-HMD63-EIP	V680S RFID reader/writer unit, 50 x 50 x 30 mm, EtherNet/IP, IP67, 24 VDC	807.00	4548583561960
419016	V680S-HMD64-EIP	V680S RFID reader/writer unit, 75 x 75 x 40 mm, EtherNet/IP, IP67, 24 VDC	1,052.00	4548583561984
376241	V680S-HMD64-ETN	V680S ID reader/writer unit, Modbus TCP, IP67, longer distance, 24VDC	1,188.00	4548583407695
419012	V680S-HMD64-PNT	V680S RFID reader/writer unit, 75x75x40 mm, PROFINET, IP67, 24 VDC	1,052.00	4548583561991
419017	V680S-HMD66-EIP	V680S RFID reader/writer unit, 120 x 120 x 40 mm, EtherNet/IP, IP67, 24 VDC	1,294.00	4548583562004
376240	V680S-HMD66-ETN	V680S ID reader/writer unit, Modbus TCP, IP67, longer distance, 24VDC	1,471.00	4548583407688
419013	V680S-HMD66-PNT	V680S RFID reader/writer unit, 120x120x40 mm, PROFINET, IP67, 24 VDC	1,294.00	4548583562011

## Additional RFID systems

## RFID systems

Short item number	Order code	Description	Price EUR	GTIN
108942	V600-D23P66N	V600 ID tag, rectangular, 34 x 34 x 3.5mm, 254 byte capacity	26.27	4536854707148
108952	V600-H11	V600 R/W Head, rectangular, 53 x 40 x 23 mm, 2 m cable	422.80	4536854707353
108964	V600-HAM81 0.5M	V600 RFID intelligent flag controller, multi-functional (read/write), 8-bit, PNP open collector outputs, 24 VDC, 0.5m cable	775.00	4536854707728
108965	V600-HAR81 0.5M	V600 Intelligent Flag controller, read-only type (8-bit data), 0.5m cable with dedicated connector	663.00	4536854707742
108955	V600-HS51 2M	V600 RFID read/write head, separate amplifier type, 12 dia. X 35mm deep, 2m cable	257.30	4536854707797
146058	V600-HS63 2M	V600 RFID read/write head, rectangular 53 x 40 x 23mm, 2m cable with connector	248.10	4536854707810



### High-speed, high-accuracy inspection and measurement

The new FHV7-series Smart Camera combined with illumination and image processing functionality for advanced vision inspections. Thanks to the world's first multi-color light and a best-in-class 12-megapixel high-resolution camera, only a single FHV7-series Smart Camera is required for achieving the industry's highest standards of precision in vision inspections on a high-mix production line.

- Industry's highest sensing capability
- Industry's highest processing capability
- Usability to maximize performance

Short item number	Order code	Description	Price EUR	GTIN
685231	FHV7H-M004-C	FH Vision Smart Camera, high performance, monochrome type, 0.4 Mpix resolution, 6.9 µm pixel size, 1/2.9" chip size, global shutter, C-mount, 24 VDC, IP40	3,587.00	4549734282826
685232	FHV7H-M016-C	FH Vision Smart Camera, high performance, monochrome type, 1.6 Mpix resolution, 3.45 µm pixel size, 1/2.9" chip size, global shutter, C-mount, 24 VDC, IP40	4,082.00	4549734282833
685233	FHV7H-M032-C	FH Vision Smart Camera, high performance, monochrome type, 3.2 Mpix resolution, 3.45 µm pixel size, 1/1.8" chip size, global shutter, C-mount, 24 VDC, IP40	4,775.00	4549734282840
685234	FHV7H-M050-C	FH Vision Smart Camera, high performance, monochrome type, 5.0 Mpix resolution, 3.45 µm pixel size, 2/3" chip size, global shutter, C-mount, 24 VDC, IP40	5,510.00	4549734282857

Short item number	Order code	Description	Price EUR	GTIN
685283	FHV-LEM-S06	FHV7 lens module, 6 mm focal length	748.50	4549734282536
685284	FHV-LEM-S09	FHV7 lens module, 9 mm focal length	748.50	4549734282543
685285	FHV-LEM-S12	FHV7 lens module, 12 mm focal length	748.50	4549734282550
685286	FHV-LEM-S16	FHV7 lens module, 16 mm focal length	748.50	4549734282567
685287	FHV-LEM-S25	FHV7 lens module, 25 mm focal length	748.50	4549734282574
685290	FHV-LTM-MC	FHV7 illumination module, multi color Red Green Blue, IR, includes protection window	1,654.00	4549734282611
685289	FHV-LTM-W	FHV7 illumination module, white, includes protection window	828.00	4549734282598
685302	FHV-VDB 10M	FHV7 Power / IO Cable, straight 10 m, M12 connector	492.00	4549734282758
685299	FHV-VDB 2M	FHV7 Power / IO Cable, straight 2 m, M12 connector	149.50	4549734282727
685300	FHV-VDB 3M	FHV7 Power / IO Cable, straight 3 m, M12 connector	191.90	4549734282734
685301	FHV-VDB 5M	FHV7 Power / IO Cable, straight 5 m, M12 connector	279.80	4549734282741
685306	FHV-VDLB 10M	FHV7 Power / IO Cable, right angle 10 m, M12 connector	492.00	4549734282802
685305	FHV-VDLB 5M	FHV7 Power / IO Cable, right angle 5 m, M12 connector	279.80	4549734282796
685294	FHV-VNB 10M	FHV7 Ethernet cable, straight 10 m, M12 connector	354.50	4549734282659
685291	FHV-VNB 2M	FHV7 Ethernet cable, straight 2 m, M12 connector	142.10	4549734282628
685292	FHV-VNB 3M	FHV7 Ethernet cable, straight 3 m, M12 connector	175.80	4549734282635
685293	FHV-VNB 5M	FHV7 Ethernet cable, straight 5 m, M12 connector	227.10	4549734282642
685298	FHV-VNLB 10M	FHV7 Ethernet cable, right angle 10 m, M12 connector	354.50	4549734282703
685297	FHV-VNLB 5M	FHV7 Ethernet cable, right angle 5 m, M12 connector	227.10	4549734282697
685307	FHV-XDF	FHV7 Diffusion filter	489.30	4549734451949
685311	FHV-XHD-L	FHV7 Waterproof hood, long, for 3Z45-LE SV-H series	172.00	4549734451994
685312	FHV-XHD-LEM	FHV7 Waterproof hood, for motorized lens modules	197.80	4549734452007
685313	FHV-XMT-7	Fixture for FHV7	60.20	4549734452014
685308	FHV-XPL	FHV7 Polarization filter, for visible light	206.30	4549734451956

High Speed Performance of the new controllers

- High performance components deliver outstanding performance meeting the toughest requirements
- Smart Algorithms and Vision Tools make every application robust and reliable - at any speed
- Modern camera lineup enables you to pick the most suitable hardware for every application – best performance at best value



Short item number	Order code	Description	Price EUR	GTIN
377471	FH-1050	FH standard controller 2-core, NPN/PNP 2 cameras	8,885.00	4548583385405
377472	FH-1050-10	FH standard controller 2-core, NPN/PNP 4 cameras	11,350.00	4548583385412
377761	FH-1050-20	FH standard controller 2-core, NPN/PNP 8 cameras	12,640.00	4548583385429
377451	FH-3050	FH high-speed controller 4-core, NPN/PNP 2 cameras	13,390.00	4548583385375
377470	FH-3050-10	FH high-speed controller 4-core, NPN/PNP 4 cameras	16,520.00	4548583385382
377760	FH-3050-20	FH high-speed controller 4-core, NPN/PNP 8 cameras	18,180.00	4548583385399
670063	FH-L550	FH-Lite controller, standard grade, box type, 2 camera	6,255.00	4548583785779
670064	FH-L550-10	FH-Lite controller, standard grade, box type, 4 camera	7,355.00	4548583785786
377457	FH-SC	FH camera, standard resolution, colour	1,665.00	4548583385498
377455	FH-SC02	FH camera, high resolution 2M pixel, color	4,051.00	4548583385474
377453	FH-SC04	FH camera, high resolution 4M pixel, color	8,070.00	4548583385450
670066	FH-SC05R	FH camera, high resolution 5 m pixel, color, rolling shutter	2,359.00	4548583785809
377458	FH-SM	FH camera, standard resolution, monochrome	1,665.00	4548583385504
377456	FH-SM02	FH camera, high resolution 2M pixel, monochrome	4,051.00	4548583385481
377454	FH-SM04	FH camera, high resolution 4M pixel, monochrome	8,070.00	4548583385467
670065	FH-SM05R	FH camera, high resolution 5 m pixel, monochrome, rolling shutter	2,359.00	4548583785793
384725	FH-SM12	FH camera, high resolution 12M pixel, monochrome	9,205.00	4548583385443
679699	FZ5-805	FZ5 vision controller, standard grade, integrated LCD touchscreen, 2 camera, PNP	10,370.00	4548583859265
372096	FZ-S	FZ camera, standard resolution, monochrome	1,719.00	4548583329508
375355	FZ-S2M	FZ/FJ Camera, high resolution 2M pixel, greyscale	5,420.00	4548583368057
372097	FZ-SC	FZ camera, standard resolution, color	1,719.00	4548583329522
374930	FZ-SC2M	FZ camera, high resolution 2M pixel, color	5,420.00	4548583368064
351978	FZ-SQ050F	FZ-SQ intelligent compact color camera, high-power lighting, distance 56-215mm, standard view 13-53mm	1,378.00	4548583008809
351979	FZ-SQ100F	FZ-SQ intelligent compact color camera, high-power lighting, long-distance 220-970mm, wide view 53-240mm	1,432.00	4548583008816
351980	FZ-SQ100N	FZ-SQ intelligent compact color camera, high-power lighting, short-distance 32-380mm, wide view 29-300mm	1,940.00	4548583008823

Short item number	Order code	Description	Price EUR	GTIN
410318	FH-MT12	Vision system FH touch panel monitor 12-inch	1,260.00	4548583564473
410312	FH-VMDA 2M	Vision system accessory FH conversion cable monitor DVI-RGB 2 m	105.00	4548583564480
410313	FH-VMDA 5M	Vision system accessory FH conversion cable monitor DVI-RGB 5 m	180.10	4548583564497
410315	FH-VUAB 2M	Vision system accessory FH USB cable touch panel 2 m	52.55	4548583564534
410316	FH-VUAB 5M	Vision system accessory FH USB cable touch panel 5 m	67.65	4548583564541
348112	FZ-VP 2M	Parallel I/O cable, 2m	176.30	4548583002883
348113	FZ-VP 5M	Parallel I/O cable, 5 m	298.40	4548583002890
393354	FZ-VS3 10M	Accessory vision, FH and FZ, standard camera cable, 10m	609.00	4548583533721
393351	FZ-VS3 2M	Accessory vision, FH and FZ, standard camera cable, 2m	350.20	4548583533691
393353	FZ-VS3 5M	Accessory vision, FH and FZ, standard camera cable, 5m	495.40	4548583533714
393355	FZ-VS4 15M	Accessory vision, FH and FZ, camera cable, long distance, 15m	1,551.00	4548583533738
682708	FZ-VSB3 10M	Accessory vision, FH and FZ, camera cable, bend resistant, 10 m	732.00	4549734126922
241486	FZ-VSJ	FZ Camera cable extension hub (max 3 cables 45m)	1,420.00	4547648445849
393356	FZ-VSL3 2M	Accessory vision, FH and FZ, camera cable, standard, right angled connector, 2m	505.50	4548583533745
385123	XW2Z-100EE	Parallel I/O cable for terminal block XW2R-_34G-T, 1 m	110.20	4548583484979
377508	XW2Z-S013-2	Parallel I/O cable, 2m, for FH series only	149.90	4548583434455
377509	XW2Z-S013-5	Parallel I/O cable, 5m, for FH series only	249.60	4548583434462



**MicroHAWK MV-40 Industrial Ethernet Smart Camera**

The MicroHAWK MV-40 redefines the imaging market as the smallest IP65/67-rated, true-industrial Ethernet smart camera. With the library of Omron Microscan's machine vision tools on board in a rugged, ultra-compact case, the MV-40 is the complete package for solving any vision inspection challenge under any condition. Combining unprecedented ease-of-use, high-speed communication, optional liquid lens autofocus, and ultra-small form factor, the MV-40 sets the benchmark as the ultimate compact machine vision system in the industry.

- IP65/67
- Serial RS-232, EtherNet/IP, Ethernet TCP/IP, PROFINET
- Passive Power over Ethernet
- Optional liquid lens autofocus
- Integrated targeting and read/pass indicators
- 25 mm x 45 mm x 45 mm

Short item number	Order code	Description	Price EUR	GTIN
682603	7412-2000-1101	MicroHAWK MV-40, IP65 Case, 24 VDC, Ethernet, SXGA, 1.2 Megapixel, Mono, High Density, Autofocus, Red LED, AutoVISION	3,424.00	4549734232852
682126	7412-2000-2103	MicroHAWK MV-40, IP65 Case, 24 VDC, Ethernet, SXGA, 1.2 Megapixel, Mono, High Density, Auto-focus, White LED, AutoVISION + Verification	3,914.00	4549734232920





**Powerful illumination with an easy setup**

The FLV and 3Z4S series offer a wide range of illumination, strobe controllers and lenses for Omron Vision systems. Smart inspection solutions can be created due to the direct control of the illumination to Xpectia FZ and FH. Power supplies are no longer necessary for the lights, which helps to save costs and space in your application.

- Full range of illumination: bar-, ring-, coaxial-, spot-, dome-, back- lights etc.
- Strobe controller for Xpectia FZ & FH
- Lenses for any resolution

Short item number	Order code	Description	Price EUR	GTIN
381493	3Z4S-LE SV-03514V	Vision lens, standard, low distortion 3.5 mm	312.00	4548583496880
381494	3Z4S-LE SV-04514V	Vision lens, standard, low distortion 4.5 mm	261.90	4548583496897
373706	3Z4S-LE SV-0614H	Accessory vision, lens 6 mm, high resolution, low distortion	1,124.00	4548583335479
373699	3Z4S-LE SV-0614V	Accessory vision, lens 6 mm	432.30	4548583335387
373700	3Z4S-LE SV-0813V	Accessory vision, lens 8 mm	356.60	4548583335394
373707	3Z4S-LE SV-0814H	Accessory vision, lens 8 mm, high resolution, low distortion	611.00	4548583335486
373708	3Z4S-LE SV-1214H	Accessory vision, lens 12 mm, high resolution, low distortion	594.00	4548583335493
373701	3Z4S-LE SV-1214V	Accessory vision, lens 12 mm	252.00	4548583335400
373709	3Z4S-LE SV-1614H	Accessory vision, lens 16 mm, high resolution, low distortion	571.00	4548583335509
373702	3Z4S-LE SV-1614V	Accessory vision, lens 16 mm	328.20	4548583335417
373710	3Z4S-LE SV-2514H	Accessory vision, lens 25 mm, high resolution, low distortion	360.10	4548583335516
373703	3Z4S-LE SV-2514V	Accessory vision, lens 25 mm	312.00	4548583335424
373711	3Z4S-LE SV-3514H	Accessory vision, lens 35 mm, high resolution, low distortion	505.50	4548583335523
373704	3Z4S-LE SV-3518V	Accessory vision, lens 35 mm	356.60	4548583335431
373712	3Z4S-LE SV-5014H	Accessory vision, lens 50 mm, high resolution, low distortion	515.00	4548583335530
373705	3Z4S-LE SV-5018V	Accessory vision, lens 50 mm	312.00	4548583335448
373713	3Z4S-LE SV-EXR	Extension tube set, 7 piece (40, 20, 10, 5, 2, 1, 0.5 mm)	144.00	4548583335547
670696	3Z4S-LE SV-PL270-SS	Polarizing filter for lens, M27.0 P0.5, with Anti-rotation mechanism	85.55	4548583722545
386975	3Z4S-LE VS-0618H1	Vision lens, high resolution, low distortion, 6 mm for 1-inch sensor size	743.50	4548583425149
386974	3Z4S-LE VS-0814H1	Vision lens, high resolution, low distortion, 8 mm for 1-inch sensor size	604.50	4548583417854
682707	3Z4S-LE VS-1214H1	Vision lens, high resolution, low distortion, 12 mm for 1-inch sensor size	552.00	4549734181426
682633	3Z4S-LE VS-1614H1N	Vision lens, high resolution, low distortion, 16 mm for 1-inch sensor size	552.00	4549734181433
683380	3Z4S-LE VS-2514H1	Vision lens, high resolution, low distortion, 25 mm for 1-inch sensor size	551.50	4549734181440
682441	3Z4S-LE VS-3514H1	Vision lens, high resolution, low distortion, 35 mm for 1-inch sensor size	552.00	4549734181457
682440	3Z4S-LE VS-5018H1	Vision lens, high resolution, low distortion, 50 mm for 1-inch sensor size	538.50	4549734181464
354125	FL-BR13120W	Bar ODR-light, 131x20mm, wide area model, white LED, IP20, cable 0,3m	1,004.00	4548583032965
354121	FL-BR5020W	Bar ODR-light, 50x20mm, wide area model, white LED, IP20, cable 0,3m	439.20	4548583032927
354122	FL-BR5020W-H	Bar ODR-light, 50x20mm, high-brightness model, white LED, IP20, cable 0,3m	542.50	4548583032934
354123	FL-BR9120W	Bar ODR-light, 91x20mm, wide area model, white LED, IP20, cable 0,3m	716.50	4548583032941
354127	FL-DR32W	Ring ODR-light, 32/10mm, wide area model, white LED, IP20, cable 0,3m	822.50	4548583035690
354128	FL-DR32W-H	Ring ODR-light, 32/10mm, high-brightness model, white LED, IP20, cable 0,3m	1,050.00	4548583035706
354129	FL-DR50W	Ring ODR-light, 50/28mm, wide area model, white LED, IP20, cable 0,3m	915.00	4548583035713
354130	FL-DR50W-H	Ring ODR-light, 50/28mm, high-brightness model, white LED, IP20, cable 0,3m	1,145.00	4548583035720
354131	FL-DR90W	Ring ODR-light, 90/50mm, wide area model, white LED, IP20, cable 0,3m	1,719.00	4548583035737
354132	FL-DR90W-H	Ring ODR-light, 90/50mm, high-brightness model, white LED, IP20, cable 0,3m	2,180.00	4548583035744
354134	FL-STC15	Lighting controller, 1-channel, light adjustment 400 levels, continuous light or triggered light or strobe light, 24 VDC, I/O interface D-SUB, PNP	525.50	4548583032996
354136	FL-STC25	Lighting controller, 2-channel, light adjustment 400 levels, continuous light or triggered light or strobe light, 24 VDC, I/O interface D-SUB, PNP	670.00	4548583033016
355849	FL-TCC1	Strobe controller for vision lighting, 1-channel, separate holder to be mounted on the FZ camera	525.50	4548583067011
355851	FL-TCC1-XAT	Camera mounting attachment, for controller FL-TCC1	159.70	4548583067035
378517	FLV-ATC21024-C	Analog lighting controller dimming 2ch 24	387.70	4548583426009
378518	FLV-ATC41024-C	Analog lighting controller dimming 4ch 24	464.00	4548583426016
378512	FLV-TCC1	standard camera-mount lighting controller 1ch for FLV	271.80	4548583425774
378516	FLV-TCC4	standard camera-mount lighting controller 4ch for FLV	545.00	4548583425781
378515	FLV-XC5	Extension cable 5 m for standard lighting	48.86	4548583429178
354153	FL-XBK1	Bar light FL-mounting brackets	49.48	4548583032897
354141	FL-XC10	Extension standard cable, 10m	249.40	4548583032767
354138	FL-XC2	Extension standard cable, 2m	77.20	4548583032729
354139	FL-XC3	Extension standard cable, 3m	95.45	4548583032736
354140	FL-XC5	Extension standard cable, 5m	134.10	4548583032750
354146	FL-XC5R	Extension flexible cable, 5m	196.40	4548583032828



**Simple, flexible & crystal clear**

The new FZ5 integrates the benefits of a Smart Camera and a powerful Vision System in a single platform. The unique image clarity achieved by using an intelligent camera enables simple setup, fast installation and enhanced optical performance.

- Crystal-clear image quality
- Real Color Processing (16 million colors)
- C-mount and Smart Cameras
- EtherNet/IP & TCP/IP communication

Short item number	Order code	Description	Price EUR	GTIN
377467	FZ5-L355	FZ5-Lite controller, standard grade, box type, 2 camera, PNP	6,935.00	4548583385689

The new standard in image inspection and code verification



The FQ2 vision sensor family is set to redefine the vision sensor market, providing advanced inspection, code reading and verification only previously available in higher end vision systems. With over 100 camera options, the FQ2 provides users with the ultimate flexibility to solve a variety of applications. Whether you need high resolution, code reading, integrated lighting, or a cost effective solution to solve a simple application, there is an FQ2 that fits your every need.

- Powerful functionality with versatile line-up
- Crystal clear images
- All-in-one-housing
- Easy searching with Shape Search II
- Direct Part Marked (DPM)
- Unique OCR technology
- Code verification
- Advanced Inspection

Short item number	Order code	Description	Price EUR	GTIN
372137	FQ2-D30	FQ2 touch finder, 3.5" TFT color LCD screen, SD card, 24VDC	1,340.00	4548583107755
372136	FQ2-D31	FQ2 touch finder, 3.5" TFT color LCD screen, SD card, 24VDC, AC adaptor, battery	1,448.00	4548583107762
372150	FQ2-S15010F	FQ2 vision sensor, single function, PNP, narrow view(13mm)	1,118.00	4548583322387
372151	FQ2-S15050F	FQ2 vision sensor, single function, PNP, standard view(50 mm)	1,101.00	4548583322394
372152	FQ2-S15100F	FQ2 vision sensor, single function, PNP, wide view(240 mm), long distance(970 mm)	1,153.00	4548583322400
372153	FQ2-S15100N	FQ2 vision sensor, single function, PNP, wide view(300 mm), short distance(380 mm)	1,616.00	4548583322417
372141	FQ2-S20100N	FQ2 vision sensor, standard function, NPN, wide view(300 mm), short distance(380 mm)	2,533.00	4548583107588
372143	FQ2-S25050F	FQ2 vision sensor, standard function, PNP, standard view(50 mm)	1,798.00	4548583107601
372144	FQ2-S25100F	FQ2 vision sensor, standard function, PNP, wide view(240 mm), long distance(970 mm)	1,833.00	4548583107618
372145	FQ2-S25100N	FQ2 vision sensor, standard function, PNP, wide view(300 mm), short distance(380 mm)	2,533.00	4548583107625
372121	FQ2-S35050F-08	FQ2 vision sensor, high resolution, color, PNP, standard view(50 mm)	4,027.00	4548583322479
372129	FQ2-S35050F-08M	FQ2 vision sensor, high resolution, mono, PNP, standard view(50mm)	4,027.00	4548583107687
372130	FQ2-S35100F-08M	FQ2 vision sensor, high resolution, mono, PNP, wide view(240mm), long distance(970mm)	4,453.00	4548583107694
372123	FQ2-S35100N-08	FQ2 vision sensor, high resolution, color, PNP, wide view(300 mm), short distance(380 mm)	3,863.00	4548583322493
372133	FQ2-S35-13	FQ2 vision sensor, c-mount type, color, PNP	2,972.00	4548583107724
372135	FQ2-S35-13M	FQ2 vision sensor, c-mount type, mono, PNP	3,898.00	4548583107748

Short item number	Order code	Description	Price EUR	GTIN
678182	FQ-WD002-E	FQ I/O cable, 2 m	165.20	4549734922951
678183	FQ-WD003-E	FQ I/O cable, 3 m	109.70	4549734922968
678184	FQ-WD005-E	FQ I/O cable, 5 m	134.50	4549734922975
678185	FQ-WD010-E	FQ I/O cable, 10 m	222.00	4549734922982
337796	FQ-WD020	FQ I/O cable, 20 m	638.00	4547648830119
337805	FQ-WN002	FQ Ethernet cable, 2 m	164.90	4547648830065
360744	FQ-WN002-E	FQ Ethernet cable, 2 m	71.30	4548583129269
360745	FQ-WN003-E	FQ Ethernet cable, 3 m	79.80	4548583129276
360746	FQ-WN005-E	FQ Ethernet cable, 5 m	95.45	4548583129283
337806	FQ-WN010	FQ Ethernet cable, bend resistant, 10 m	255.00	4547648830072
360741	FQ-WN010-E	FQ Ethernet cable, 10 m	133.30	4548583129290
337807	FQ-WN020	FQ Ethernet cable, 20 m	599.00	4547648830089
372157	FQ-WU002	FQ sensor data unit cable for FQ-SDU*, 2 m	219.30	4548583107472
372154	FQ-WU010	FQ sensor data unit cable for FQ-SDU*, 10 m	463.30	4548583107496
372159	FQ-WU020	FQ sensor data unit cable for FQ-SDU*, 20 m	767.50	4548583107502
337800	FQ-XF1	FQ Polarizing Filter, (enclosed with sensor)	302.40	4547648830157
337797	FQ-XL	Accessory FQ/FQ2 Mounting Bracket, (enclosed with sensor)	91.60	4547648830126
337799	FQ-XPM	Accessory FQ/FQ2 Panel Mounting Adapter, for Touch Finder	267.00	4547648830140



### LVS-9510 Desktop Barcode Verifier

The LVS-9510 desktop barcode verifier is unique in the world of ISO verification due to its ease of use and ability to verify linear (1D) and two-dimensional (2D) codes without any change of equipment. The system automatically determines the symbology and aperture needed to evaluate the code and identifies and highlights trouble spots. The LVS-9510 offers a “stitching” feature that allows grading of barcodes that are larger than the field of view.

- 1D & 2D barcode verification all-in-one system
- Desktop barcode verifier
- Validates to ISO/IEC, ANSI, GS1, and UDI print quality standards
- Field of view range from 76mm to over 152mm
- Software upgrade options include multi-sector for verification of multiple barcodes on a label
- 21 CFR Part 11 compliant-ready for all FDA regulated industries
- Certified by GS1 US for the UDI (Unique Device Identification) requirement issued by the FDA to medical device manufacturers
- Supports 15 languages with the ability to add more languages
- Quality data reporting for auditing purposes
- Manage operator permissions using LVS-95XX software or using Microsoft Active Directory
- Includes NIST-Traceable Calibrated Conformance Standard Test Card for calibrating the system

Short item number	Order code	Description	Price EUR	GTIN
682319	9510-5-3.0	LVS-9510 Verifier, 3" FoV	7,560.00	4549734217255
682357	9510-5-4.0	LVS-9510 Verifier, 4" FoV	7,560.00	4549734217262
682336	9510-5-4.5	LVS-9510 Verifier, 4.5" FoV	7,560.00	4549734217279
682386	9510-5-6.250	LVS-9510 Verifier, 6.25" FoV	7,560.00	4549734217286



### LVS-9580 Handheld Barcode Verifier

The LVS-9580 is a high-performance handheld solution for off-line barcode verification to ISO/IEC and MIL-STD-130N standards. Featuring a high-resolution 5.0 megapixel camera, the LVS-9580 reads and analyzes linear (1D) and two-dimensional (2D) barcodes up to 76.19 mm wide and up to 57.15 mm tall.

The LVS-9580 verifies multiple barcode types, including any combination of linear, 2D (Data Matrix, QR Code, and Aztec Code), and stacked linear (PDF 417, Micro PDF and Composite Codes). Contact us for a detailed list of supported standards and symbologies. Powered by a 3.0 m USB 2.0 cable, the LVS-9580 verifies barcode labels and direct part marks (DPM) located on a wide range of surfaces including corrugated cardboard boxes, shipping containers, plastics, composites, and metal surfaces.

- Validates printed barcodes to ISO/IEC, ANSI, GS1, and UDI print quality standards
- Validates direct part marks (DPM) to ISO, MIL-STD-130, and GS1 standards
- Stitching feature to grade barcodes larger than the field of view
- Ideal for multiple line production and warehouse environments
- Software upgrade options include multi-sector for verification of multiple barcodes on a label
- 21 CFR Part 11 compliant-ready
- Supports 15 languages with the ability to add more
- Quality data reporting for auditing purposes
- Manage operator permissions using LVS-95XX software or using Microsoft Active Directory
- Includes NIST-Traceable Calibrated Conformance Standard Test Card for calibrating the system

Short item number	Order code	Description	Price EUR	GTIN
682403	9580-C-3	LVS-9580 Handheld, 1D & 2D Barcode Verification	7,125.00	4549734217293



### LVS-9585 Handheld DPM Barcode Verifier

The LVS-9585 handheld DPM barcode verifier adds advanced lighting options and powerful software functionality. The new auto-find feature enables users to automatically find the DPM symbol within the verifier field of view, and cycle through the lighting settings to find the lighting type that works best with the specific DPM marking and material substrate. The LVS-9585 can test both DPM parts as well as printed labels to a broad variety of global application standards, and provides comprehensive quality analysis and reporting features.

- Verify a broad variety of direct part marks as well as 1D and 2D printed barcodes with a single model
- Software automatically selects best lighting performance from integrated red or white dome and 30° angle lighting
- Validates printed barcodes to ISO/IEC, ANSI, GS1, and UDI print quality standards
- Validates direct part marks (DPM) to ISO, MIL-STD-130, and GS1 standards
- Software options include multi-sector for verification of multiple barcodes and GS1 AI content check
- 21 CFR Part 11 compliant-ready
- Supports 15 languages with the ability to add more
- Export verification reports to Excel or SQL database
- Manage operator permissions using LVS-95XX software or using Microsoft Active Directory
- Includes NIST-Traceable Calibrated Conformance Standard Test Card for calibrating the system
- Optional adjustable mounting stand

Short item number	Order code	Description	Price EUR	GTIN
682389	9585-DPM	LVS-9585 Handheld, 1D, 2D & DPM Dome and 30 degree lighting	8,870.00	4549734217323

## DVI Series

## Cameras



### DVI Output Color Camera

- Full HD 1080p
- 60 FPS
- Low Light Sensitivity
- Connectable to the monitor directly using HDMI connector enables observing system without PC.
- Enables a display of the crosshair and shadow masks by using the optional remote unit.

Short item number	Order code	Description	Price EUR	GTIN
681265	STC-HD203DV	Area Scan Camera (cased type), DVI over HDMI, Full HD 1080p, Color, CMOS Sony IMX136, 1/2.8", 2.8 μm, 60 fps, Rolling Shutter, C Mount	467.80	4549734199667
681245	STC-HD203DV-B	Area Scan Camera (board type), DVI over HDMI, Full HD 1080p, Color, CMOS Sony IMX136, 1/2.8", 2.8 μm, 60 fps, Rolling Shutter, C Mount	444.30	4549734202329
681357	STC-HD93DV	DVI over HDMI Area Scan Camera, HD 720p, Color, CCD Sony ICX692AQA, 1/3", 4.08 μm, 60 fps, Global Shutter, C Mount, Cased	439.30	4549734202336



Short item number	Order code	Description	Price EUR	GTIN
681318	STC-625PWC	Analog Area Scan Camera, 0.4 MP, PAL, CCD Sony ICX419AKL, 1/2", 8.3 x 8.6 µm, 2:1 Interlace, C Mount, Cased, 12 Pin Hirose Connector for Power, Video and External Synchron	411.10	4549734202565
681381	STC-635PWJ	Analog Area Scan Camera, 0.4 MP, PAL, CCD Sony ICX639BKA, 1/3", 6.25 x 6.5 µm, 2:1 Interlace, CS Mount, Cased, Power Pin Jack	307.40	4549734202619
681231	STC-MC133USB	USB 2.0 Area Scan Camera, 1.3 MP, Color, CCD Sony ICX445AQ, 1/3", 3.75 µm, 22 fps, Global Shutter, C Mount, Cased	321.30	4549734202855

## Cables

## QC&amp;I Accessories

Short item number	Order code	Description	Price EUR	GTIN
682412	61-000160-03	QX Cordset, Host, Ethernet, M12 8-pin Plug (Screw-On) to RJ45, 1 m	121.00	4549734217606
682064	61-000163-03	QX Cordset, Host, Ethernet, M12 8-pin Plug (Screw-On) to RJ45, 3 m	126.00	4549734236775
682392	61-9000043-01	Cable, DB15 to Bus Power USB, MicroHAWK-30	86.80	4549734217705
682150	61-9000118-01	Cordset, Ethernet, M12 8-pin Plug to RJ45, High Flex, 5 m	157.70	4549734237079
682128	61-9000133-01	Cordset, M12 12-pin Socket to Flying Leads, High Flex, 5 m	157.70	4549734237116

## Illuminators

## QC&amp;I Accessories

Short item number	Order code	Description	Price EUR	GTIN
682169	NER-011660400G	Smart Series DOAL, 25 mm, Red, M12 Connector	586.50	4549734239899

## Other QC&amp;I accessories

## QC&amp;I Accessories

Short item number	Order code	Description	Price EUR	GTIN
682321	97-000012-01	Power Supply, 100 to 240 VAC, +24 VDC, M12 12-pin Socket	184.20	4549734217750
682048	98-9000043-01	Kit, Diffuser, MicroHAWK 30/40	100.00	4549734238014
682142	98-9000047-01	Kit, 1/4-20 Camera Mount, MicroHAWK	34.18	4549734238045
682318	98-9000054-01	Kit, Mounting, APG, MS-4, MINI, MicroHAWK	137.00	4549734218061
682024	98-9000129-01	Kit, Polarizer, MicroHAWK 30/40, External	166.10	4549734238182
682100	98-CAL010-01	LVS Calibration Conformance Test Card, Datamatrix undated	762.00	4549734224413
682332	98-CAL020-01	LVS Calibration Conformance Test Card, 9570/9580/9510 EAN/UPC undated	618.50	4549734217378
682146	98-CAL021-01	Calibration Conformance Test Card, 128 undated	618.50	4549734224468
682323	98-LVS0077	Validation IQ-OQ Guidelines for v.4.3 and later software (with 25 test cards)	3,786.00	4549734217392
682334	FIS-0001-0035G	Converter, IC-332, 24 V / 5 V, Opto I/O, for Use with IB-131	242.60	4549734218177



### Emergency stop switch

The A165E line-up offers E-Stop switches with various head types. For flexible application, a wide range of accessories is provided. To set up easy installation and maintenance, various contact combinations are available.

- Direct opening mechanism with minimum contact separation of 3mm
- Safety lock mechanism prevents misuse
- Short mounting depth
- Modular construction; easy installation using snap-in switch

Short item number	Order code	Description	Price EUR	GTIN
160649	A165E-02	DPST-NC contact block for A165E Emergency stop switch	13.73	4536854344794
103317	A165E-LS-24D-02	Emergency stop switch, illuminated, 30mm dia, push-lock/turn-reset, DPST-NC, 24 VDC	44.53	4536854344831
160653	A165E-M-02	Emergency stop switch, non-illuminated, 40mm dia, push-lock/turn-reset, DPST-NC	33.80	4536854344855
153220	A165E-S	Emergency stop switch, non-illuminated, 30mm dia, push-lock / turn-reset	5.61	4536854344770
142199	A165E-S-01	Emergency stop switch, non-illuminated, 30mm dia, push-lock/turn-reset, SPST-NC	30.41	4536854344862
142200	A165E-S-02	Emergency stop switch, non-illuminated, 30mm dia, push-lock/turn-reset, DPST-NC	36.41	4536854344879
103725	A165E-S-03U	Emergency stop switch, non-illuminated, 30mm dia, push-lock/turn-reset, TPST-NC	49.13	4536854479090

## A22E/A22NE-P/A22NE-PD

## Emergency stop pushbutton switches

### Emergency stop switch

The A22E/A22NE-P/A22NE-PD line-up offers E-Stop switches with various head types. For flexible application, a wide range of accessories is provided. To set up easy installation and maintenance, various contact combinations are available.

Direct opening mechanism to open the circuit when the contact welds

With a latching mechanism to prevent operating errors

Lock lever for easily mounting and removing the unit

Use 25-dia. ring to install in 25-dia. panel cutouts.\*

In a model equipped with Lock-lever-linked contact function, the improper installation of the switch unit can be detected. (A22NE-PD)

\* Switches with an IP69K degree of protection do not support the 25-dia.



Short item number	Order code	Description	Price EUR	GTIN
141588	A22EL-M	Emergency stop switch, illuminated, 40mm dia, push-lock/turn-reset, IP65	23.54	4536854349225
151036	A22EL-M-24A-02	Emergency stop switch, illuminated, 40 mm dia., push-lock/turn-reset, IP65	51.25	4536854349331
142271	A22EL-M-24A-11	Emergency stop switch, 24 VAC/DC illuminated, 40 mm dia., push-lock/turn-reset, SPST-NO + SPST-NC, IP65	48.08	4536854349348
153294	A22E-M	Emergency stop switch, non-illuminated, 40mm dia, push-lock/turn-reset, IP65	14.57	4536854349232
141595	A22E-M-01	Emergency stop switch, screw terminal, non-illuminated, 40 mm dia, push-lock/turn-reset, 1NC	27.38	4536854349249
141596	A22E-M-02	Emergency stop switch, screw terminal, non-illuminated, 40 mm dia, push-lock/turn-reset, 2NC	34.69	4536854349256
264239	A22E-M-02B	Emergency stop switch, 24 VAC / VDC, 40 mm dia., push-lock / turn-reset, DPST-NC, within a control box	79.15	4536854860263
148854	A22E-M-11	Emergency stop switch, screw terminal, non-illuminated, 40 mm dia, push-lock/turn-reset, 1NC + 1NO	25.26	4536854349270
264240	A22E-M-11B	Emergency stop switch, 24 VAC/DC, 40 mm dia., push-lock/turn-reset, SPST-NO + SPST-NC, within a control box	78.10	4536854860270
141511	A22E-S-02	Emergency stop switch, non-illuminated, 30 mm dia., push-lock/turn-reset, 2 x SPST-N/C, IP65	27.38	4536854380433
680136	A22NE-M-L	Emergency stop switch, illuminated, 40mm dia, push-lock/turn-reset, IP65	27.23	4549734184649
680134	A22NE-M-N	Emergency stop switch, non-illuminated, 40mm dia, push-lock/turn-reset, IP65	19.29	4549734184588
679730	A22NE-M-P002-C	Emergency stop switch, 24 VAC/DC illuminated, 40 mm dia, push-lock/turn-reset, SPST-NC, Push-in	57.90	4549734184885
679746	A22NE-M-P002-N	Emergency stop switch, Push-In, non-illuminated, 40 mm dia, push-lock/turn-reset, 1NC	32.93	4549734184724
679806	A22NE-M-P002-N-B	E-Stop, push-in, 1NC, 40-dia. head Medium Turn-reset. with integrated control box	54.50	4549734185295
679748	A22NE-M-P102-C	Emergency stop switch, Push-in, 24 VAC/DC illuminated, 40 mm dia, push-lock/turn-reset, NO +NC	62.40	4549734184892
679732	A22NE-M-P102-N	Emergency stop switch, Push-In, non-illuminated, 40 mm dia, push-lock/turn-reset, 1NC+NO	37.46	4549734184731
679808	A22NE-M-P102-N-B	E-Stop, push-in, 1NC+1NO, 40-dia. head Medium Turn-reset. with integrated control box	63.50	4549734185301
679722	A22NE-M-P202-C	Emergency stop switch, Push-in, 24 VAC/DC illuminated, 40 mm dia, push-lock/turn-reset, 2NC	62.40	4549734184908
679734	A22NE-M-P202-N	Emergency stop switch, Push-In, non-illuminated, 40 mm dia, push-lock/turn-reset, 2NC	37.46	4549734184748

Short item number	Order code	Description	Price EUR	GTIN
679807	A22NE-M-P202-N-B	E-Stop, push-in, 2NC, 40-dia. head Medium Turn-reset. with integrated control box	62.40	4549734185318
679745	A22NE-M-P212-N	Emergency stop switch,Push-In, non-illuminated, 40 mm dia, push-lock/turn-reset, 2NC+NO	43.11	4549734184755
679747	A22NE-M-P222-N	Emergency stop switch,Push-In, non-illuminated, 40 mm dia, push-lock/turn-reset, 3NC	43.11	4549734184762
680135	A22NE-S-N	Emergency stop switch, non-illuminated, 30 mm dia., push-lock/turn-reset, IP65	20.42	4549734184571
679744	A22NE-S-P002-N	Emergency stop switch, Push-In, non-illuminated, 30 mm dia, push-lock/turn-reset, NC	30.68	4549734184670
679743	A22NE-S-P102-N	Emergency stop switch, Push-In, non-illuminated, 30 mm dia, push-lock/turn-reset, NC+NO	35.16	4549734184687
679727	A22NE-S-P202-N	Emergency stop switch, Push-In, non-illuminated, 30 mm dia, push-lock/turn-reset, 2NC	35.16	4549734184694
679737	A22NE-S-P212-N	Emergency stop switch, Push-In, non-illuminated, 30 mm dia, push-lock/turn-reset, 2NC+NO	40.83	4549734184700
679733	A22NE-S-P222-N	Emergency stop switch, Push-In, non-illuminated, 30 mm dia, push-lock/turn-reset, 3NC	40.83	4549734184717

Short item number	Order code	Description	Price EUR	GTIN
679759	A22NZ-H-02	E-Stop, Push-in Mounting latch	4.54	4549734144896
679751	A22NZ-S-P1AN	E-stop Push-In contact block, SPST-NO, general-purpose load	8.60	4549734144797
679760	A22NZ-S-P2BN	E-stop Push-In contact block, DPST-NC, general-purpose load	13.53	4549734144827
679758	A22NZ-S-P2CN	E-stop Push-In contact block, SPST-NO + SPST-NC, general-purpose load	13.60	4549734144834
679753	A22NZ-T-BPN	Lighting unit. Push-In, 12 VAC/DC	6.91	4549734144858
679756	A22NZ-T-EPN	Lighting unit. Push-In, 200, 220, 230, 240 VAC	8.21	4549734144889
224501	A22Z-EG1	E-stop shroud, EMERGENCY OFF legend included.	32.13	4536854844058



### Rope pull emergency stop switches

The ER1022 line-up offers a maximum rope span of up to 125m. A robust aluminium housing offers flexibility in installation and durability in use with rope exit to the left or to the right side.

- Optional E-Stop pushbutton
- Optional LED indicator beacon for minimum downtime
- Tension indicator for easy setup and maintenance
- Heavy duty housing for demanding applications
- Integrated reset pushbutton
- Vibration tolerant for reliable operation

Short item number	Order code	Description	Price EUR	GTIN
406333	44506-4010 ER5018-021M	Safety rope pull E-stop switch, up to 40m, 2NC + 1NO, M20 wiring entry (3x)	117.50	4547648564427
406349	44506-4030 ER5018-030M	Safety rope pull E-stop switch, up to 40m, 3 NC, M20 wiring entry (3x)	137.10	4547648581608
406335	44506-4110 ER5018-021ME	Safety rope pull E-stop switch, up to 40m, 2 NC + 1NO, M20 wiring entry (3x)	160.10	4547648564687
406341	44506-5010 ER6022-021M	Safety rope pull E-stop switch, up to 80 m, contact 2 NC+1 NO, wiring 3 x M20	139.10	4547648565004
406358	44506-5110 ER6022-021ML	Safety rope pull E-stop switch, up to 80m, indicator beacon, contact 2 NC+1 NO, wiring 3 x M20	151.40	4547648582018
406340	44506-5410 ER6022-021MEL	Safety rope pull E-stop switch, up to 80m, E-stop, indicator beacon, contact 2 NC+1 NO, wiring 3 x M20	213.40	4547648565479
406347	44506-6410 ER1022-042MELL	Safety rope pull E-stop switch, up to 125m, 4NC + 2NO, M20 wiring entry (4x), 24 VDC indicator beacon, left-sided	249.00	4547648579919
406334	44506-7410 ER1032-042MEL	Safety rope pull E-stop switch, up to 200 m, 4NC + 2NO, M20 wiring entry (4x), 24 VDC indicator beacon, both-sided	361.90	4547648580694

Short item number	Order code	Description	Price EUR	GTIN
406346	44506-2705 RK5	Safety rope pull E-stop switch accessory, rope kit 5m	63.25	4547648563192
406342	44506-2710 RK10	Safety rope pull E-stop switch accessory, rope kit 10m	70.70	4547648563420
406339	44506-2720 RK20	Safety rope pull E-stop switch accessory, rope kit 20m	85.85	4547648563987
406338	44506-2750 RK50	Safety rope pull E-stop switch accessory, rope kit 50m	127.90	4547648565387
406350	44506-3711 R100M	Safety rope pull E-stop switch accessory, rope only 100m	126.60	4547648563888
406344	44506-4700 SM06-TG00	Safety rope pull E-stop switch accessory, tensioner gripper, stainless steel	53.55	4547648562751
406354	44506-4710 SM06-EB10	Safety rope pull E-stop switch accessory, eye bolt stainless steel, 8 pack	16.17	4547648561969
406357	44506-4730 SM06-TB30	Safety rope pull E-stop switch accessory, rope pull switch turnbuckle, stainless steel	13.46	4547648561822
406345	44506-4750 SM06-SP50	Safety rope pull E-stop switch accessory, spring, stainless steel	18.56	4547648561990
406356	44506-4770 SM06-THSS	Safety rope pull E-stop switch accessory, thimble stainless steel, 4 pack	9.49	4547648561693
406343	44506-4780 SM06-RPSS	Safety rope pull E-stop switch accessory, rope pulley, stainless steel	37.24	4547648562331



### Limit switch with metal housing

The D4B-\_N series of limit switches in a rugged metal housing is suitable for both safety and non-safety applications due to its direct opening mechanism and TÜV approval. Furthermore with the increased temperature range and enhanced mechanical switching lifetime, the D4B-\_N is first choice for all applications from standard to demanding environments and for highest flexibility in mounting and connectivity preferences.

- Direct opening mechanism and approval by notified body
- Rugged metal housing and extended mechanical switching lifetime (snap action models)
- Terminal block for direct wiring

Short item number	Order code	Description	Price EUR	GTIN
134568	D4B-2111N	Limit switch, roller lever 17.5mm dia, SPDB NO/NC, snap action, 10 A	31.72	4536853207151
134571	D4B-2116N	Limit switch, adjustable roller lever, SPDB NO/NC, snap action, 10 A	42.02	4536853207182
149173	D4B-2171N	Limit switch, roller plunger, SPDB NO/NC, snap action, 10 A	29.20	4536853207229
134688	D4B-2A11N	Limit switch, roller lever, DPDB 2-NC, slow action, 10 A	49.13	4536853205584
224504	D4B-2A71N	Safety Limit switch, G1/2 conduit, DPDB 2-NC (slow-action), top roller plunger	53.55	4536853205645
373424	D4B-4111N	Safety Limit switch, D4B, M20, 1NC/1NO (snap-action), roller lever (resin)	32.48	4548583369528
370630	D4B-4115N	Limit switch, roller lever, SPDB NO/NC, snap action, 10 A, M20 conduit	44.11	4547648740999
373425	D4B-4116N	Safety Limit switch, D4B, M20, 1NC/1NO (snap-action), roller lever (stainless steel)	34.51	4548583369481
373233	D4B-4117N	Safety Limit switch, D4B, M20, 1NC/1NO (snap-action), adjustable rod lever	38.14	4548583369498
373246	D4B-4170N	Safety Limit switch, D4B, M20, 1NC/1NO (snap-action), top plunger	33.09	4548583369504
373234	D4B-4171N	Safety Limit switch, D4B, M20, 1NC/1NO (snap-action), top roller plunger	33.70	4548583369511
134607	D4B-4511N	Safety Limit switch, D4B, M20, 1NC/1NO (slow-action), roller lever (resin)	37.38	4536854776601
158135	D4B-4516N	Safety Limit switch, D4B, M20, 1NC/1NO (slow-action), adjustable roller lever	42.50	4536854776618
134609	D4B-4571N	Safety Limit switch, top roller plunger, 1NC/1NO (slow-action), M20 conduit	42.25	4536854776632
103702	D4B-4A11N	Safety Limit switch, D4B, M20, DPDB 2-NC (slow-action), roller lever (resin)	44.05	4536854776649
134613	D4B-4A17N	Safety Limit switch, D4B, M20, DPDB 2-NC (slow-action), adjustable rod lever	47.91	4536854790966
153605	D4B-4A70N	Safety Limit switch, D4B, M20, DPDB 2-NC (slow-action), top plunger	44.11	4536854776663
134611	D4B-4A71N	Safety Limit switch, D4B, M20, DPDB 2-NC (slow-action), top roller plunger	46.63	4536854776670



### Safety limit switch in slim size housing

The D4F-family is a slim-size line-up of safety limit switches. They are available with 2 or 4 built-in contacts. For easy set up, installation and maintenance, pre-wired versions with various cable length are provided.

- Slim-size housing
- Direct opening mechanism
- Roller or plunger actuators
- Pre-wired versions

Short item number	Order code	Description	Price EUR	GTIN
150189	D4F-102-1R	Small Safety Limit Switch, 1NC/1NO slow-action, roller plunger, 1 m cable, horizontal cable exit	74.95	4536854896101
134013	D4F-102-3D	Small Safety Limit Switch, 1NC/1NO slow-action, roller plunger, 3 m cable, vertical cable exit	98.70	4536854896347
133924	D4F-102-5D	Small Safety Limit Switch, 1NC/1NO slow-action, roller plunger, 5 m cable, vertical cable exit	98.35	4536854896507
145878	D4F-302-5R	Small Safety Limit Switch, 2NC/2NO slow-action, roller plunger, 5 m cable, horizontal cable exit	129.70	4536854896446
149121	D4F-320-5D	Small Safety Limit Switch, 2NC/2NO slow-action, roller lever, 5 m cable, vertical cable exit	135.00	4536854896484





### Safety door hinge switch

D4NH safety-door hinge switches are available with one or two built-in contacts, shaft or arm lever actuator and various conduit types, e.g. M20.

- Direct opening mechanism
- Shaft or arm lever actuator
- Wide temperature range
- Metric conduit and M12 connector types are available

Short item number	Order code	Description	Price EUR	GTIN
170730	D4NH-1AAS	Safety door-hinge switch, Shaft Actuator, PG 13.5 Conduit, 1NC/1NO (slow-action)	43.58	4547648045322
170746	D4NH-1BAS	Safety door-hinge switch, Shaft Actuator, PG 13.5 Conduit, 2NC (slow-action)	43.92	4547648045483
170754	D4NH-1BBC	Safety door-hinge switch, Arm lever actuator, PG 13.5 Conduit, 2NC (slow-action)	44.23	4547648045568
170732	D4NH-4AAS	Safety Limit switch, D4NH, M20 (1 conduit), 1NC/1NO (slow-action), shaft actuator	43.58	4547648045346
170748	D4NH-4BAS	Safety Limit switch, D4NH, M20 (1 conduit), 2NC (slow-action), shaft actuator	42.91	4547648045506
170756	D4NH-4BBC	Safety Limit switch, D4NH, M20 (1 conduit), 2NC (slow-action), arm lever actuator	41.95	4547648045582
170765	D4NH-4CAS	Safety Limit switch, D4NH, M20 (1 conduit), 2NC/1NO (slow-action), shaft actuator	51.50	4547648045674



### Safety limit switch with manual reset

The D4NR family is a complete line-up of safety-limit switches with manual reset. They are available with one, two or three built-in contacts and a wide range of actuator types. To set up easy installation and maintenance, various conduit types, e.g. M20 and M12 connector types, are provided.

- Direct opening mechanism
- Various actuators
- Pull-reset switches
- Gold-plated contacts for handling micro loads
- Metric conduit types available

Short item number	Order code	Description	Price EUR	GTIN
170873	D4N-1A2GR	Limit switch, Adjustable roller lever, form lock (metal lever, resin roller), 1NC/1NO (slow-action), 1NC/1NO (slow-action), Pg13.5 (1-conduit), manual reset feature	27.11	4547648039482
170892	D4N-2B20R	Limit switch, Roller lever (resin lever, resin roller), 2NC (slow-action), 2NC (slow-action), G1/2 (1-conduit), manual reset feature	25.65	4547648039673
170831	D4N-4A20R	Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (slow-action), roller lever (resin lever, resin roller), manual reset feature	21.26	4547648039062
170840	D4N-4A31R	Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (slow-action), top plunger, manual reset feature	21.26	4547648039154
170849	D4N-4A32R	Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (slow-action), top roller plunger, manual reset feature	23.70	4547648039246

Hall coded non-contact for monitoring the status of guarding doors

Hall coded non-contact switches monitor the status of guarding doors. Stainless steel housing for high hygiene demands in the food industry are available.

- Based on hall technology
- Connect up to 20 switches in series
- LED supports easy diagnosis
- Operates with all our safety controllers
- Operates behind stainless steel fittings
- Non-contact – no abrasion – no particles
- Compensation of mechanical tolerances
- Suitable for high pressure cleaning, CIP/SIP processes due IP69K (pre-wired types)
- Conforms to safety categories up PLe acc. EN ISO13849-1



Short item number	Order code	Description	Price EUR	GTIN
387870	F3S-TGR-NBPC-21-05	Non-contact door switch, coded, barrel plastic M30, 2NC+1NO, 5m cable	94.60	4547648976817
387872	F3S-TGR-NBPC-21-M1J8	Non-contact door switch, coded, barrel plastic M30, 2NC+1NO, M12 connector pigtail	109.70	4547648976831
387867	F3S-TGR-NLMC-21-05	Non-contact door switch, coded, elongated stainless steel, 2NC+1NO, 5m cable	162.70	4547648976787
231368	F3S-TGR-NLPC-20-02	Non-contact door switch, coded, elongated sensor 2 m, plastic, 2 NC contacts	72.95	4536853906177
231369	F3S-TGR-NLPC-20-05	Non-contact door switch, coded, elongated sensor 5m, plastic, 2 NC contacts	75.20	4536853906184
231370	F3S-TGR-NLPC-20-10	Non-contact door switch, coded, elongated sensor 10 m, plastic, 2 NC contacts	96.95	4536853906191
231371	F3S-TGR-NLPC-20-M1J8	Non-contact door switch, coded, elongated sensor M12 connector, plastic, 2 NC contacts	92.20	4536853906160
231372	F3S-TGR-NLPC-21-02	Non-contact door switch, coded, elongated sensor 2m, plastic, 2 NC+1 NO contacts	79.50	4536853906214
231373	F3S-TGR-NLPC-21-05	Non-contact door switch, coded, elongated sensor plastic, 2 NC+1 NO, 5m cable	81.70	4536853906221
231374	F3S-TGR-NLPC-21-10	Non-contact door switch, coded, elongated sensor, plastic, 2 NC+1 NO contacts, 10m cable	103.30	4536853906238
231375	F3S-TGR-NLPC-21-M1J8	Non-contact door switch, coded, elongated sensor, plastic, 2 NC+1 NO contacts, M12 connector pigtail	106.00	4536853906207
252057	F3S-TGR-NMPC-20-05	Non-contact door switch, miniature, coded, 5m, plastic, 2 NC contacts	78.60	4547648861311
252059	F3S-TGR-NMPC-20-M1J8	Non-contact door switch, miniature, coded, M12 connector, plastic, 2 NC contacts	93.55	4547648861298
252060	F3S-TGR-NMPC-21-02	Non-contact door switch, miniature, coded, 2m, plastic, 2 NC+1 NO contacts	76.70	4547648861342
252061	F3S-TGR-NMPC-21-05	Non-contact door switch, coded, miniature plastic, 2NC+1NO, 5m cable	91.25	4547648861359
252062	F3S-TGR-NMPC-21-10	Non-contact door switch, coded, miniature plastic, 2NC+1NO, 10m cable	106.10	4547648861366
252063	F3S-TGR-NMPC-21-M1J8	Non-contact door switch, miniature, coded, M12 connector, plastic, 2 NC+1 NO contacts	110.30	4547648861335
231377	F3S-TGR-NSMC-20-05	Non-contact door switch, coded, small sensor 5m, stainless steel, 2 NC contacts	148.60	4536853906344
231380	F3S-TGR-NSMC-21-02	Non-contact door switch, coded, small sensor 2m, stainless steel, 2 NC+1 NO contacts	151.90	4536853906375
231381	F3S-TGR-NSMC-21-05	Non-contact door switch, coded, small stainless steel, 2NC+1NO, 5m cable	161.70	4536853906382
231382	F3S-TGR-NSMC-21-10	Non-contact door switch, coded, small stainless steel, 2NC+1NO, 10m cable	174.20	4536853906399
231383	F3S-TGR-NSMC-21-M1J8	Non-contact door switch, coded, small stainless steel, 2NC+1NO, M12 connector pigtail	181.30	4536853906368
330850	F3S-TGR-NSPC-21-05	Non-contact door switch, coded, small plastic, 2NC+1NO, 5m cable	82.30	4547648882897
330852	F3S-TGR-NSPC-21-M1J8	Non-contact door switch, coded, small plastic, 2NC+1NO, M12 connector pigtail	111.30	4547648882910



### Reed-type non contact door switch

Reed non-contact switches monitor the status of guarding doors. Stainless steel housing for high hygiene demands in the food industry are available.

- Based on reed technology
- Connect up to 6 switches in series
- Operates with all Omron safety controllers
- Operates behind stainless steel fittings
- Non-contact – no abrasion – no particles
- Compensation of mechanical tolerances
- Suitable for high pressure cleaning, CIP/SIP processes due IP69K (pre-wired types)
- Conforms to safety categories up PLe acc. EN ISO13849-1

Short item number	Order code	Description	Price EUR	GTIN
330853	F3S-TGR-NCPR-21-05	Non-contact door switch, reed, compact sensor 5 m, plastic, 2NC+1NO contacts (D40B size equivalent)	120.90	4547648882927
387898	F3S-TGR-NLMR-21-05	Non-contact door switch, reed, elongated stainless steel, 2NC+1NO, 5m cable	199.10	4547648977098
231385	F3S-TGR-NLPR-20-05	Non-contact door switch, reed, elongated sensor 5m, plastic, 2NC contacts	113.20	4536853906269
231389	F3S-TGR-NLPR-21-05	Non-contact door switch, reed, elongated sensor plastic, 2 NC+1 NO, 5m cable	119.10	4536853906306
231390	F3S-TGR-NLPR-21-10	Non-contact door switch, reed, elongated sensor, plastic, 2 NC+1 NO contacts, 10m cable	134.20	4536853906313
231391	F3S-TGR-NLPR-21-M1J8	Non-contact door switch, reed, elongated sensor, plastic, 2 NC+1 NO contacts, M12 connector pigtail	137.40	4536853906283
387891	F3S-TGR-NMHR-21-05	Non-contact door switch, reed, miniature stainless steel hygienic design, 2NC+1NO, 5m cable	156.30	4547648977029
252048	F3S-TGR-NMPR-20-05	Non-contact door switch, reed, miniature plastic, 2NC, 5m cables	82.30	4547648861397
387885	F3S-TGR-NMPR-20-08-L10	Non-contact door switch, reed, miniature plastic, 2NC, M8 connector left side	99.55	4547648976961
295581	F3S-TGR-NMPR-20-M8-WN	Non-contact door switch, reed, miniature plastic, 2NC, M8 connector	47.11	4547648868273
252051	F3S-TGR-NMPR-21-02	Non-contact door switch, Miniature, reed, 2m, plastic, 2NC+1NO contacts	83.90	4547648861427
252052	F3S-TGR-NMPR-21-05	Non-contact door switch, Miniature, reed, 5m, plastic, 2NC+1NO contacts	91.25	4547648861434
252053	F3S-TGR-NMPR-21-10	Non-contact door switch, Miniature, reed, 10m, plastic, 2NC+1NO contacts	106.10	4547648861441
252054	F3S-TGR-NMPR-21-M1J8	Non-contact door switch, Miniature, reed, M12 connector, plastic, 2NC+1NO contacts	110.30	4547648861410
231392	F3S-TGR-NSMR-20-02	Non-contact door switch, reed, small sensor 2m, stainless steel, 2NC contacts	169.60	4536853906412
231393	F3S-TGR-NSMR-20-05	Non-contact door switch, reed, small sensor 5m, stainless steel, 2NC contacts	174.00	4536853906429
231396	F3S-TGR-NSMR-21-02	Non-contact door switch, reed, small sensor 2 m, stainless steel, 2NC+1NO contacts	171.90	4536853906450
231397	F3S-TGR-NSMR-21-05	Non-contact door switch, reed, small stainless steel, 2NC+1NO, 5m cable	176.60	4536853906467
231398	F3S-TGR-NSMR-21-10	Non-contact door switch, reed, small stainless steel, 2NC+1NO, 10 m cable	180.90	4536853906474
231399	F3S-TGR-NSMR-21-M1J8	Non-contact door switch, reed, small stainless steel, 2NC+1NO, M12 connector pigtail	190.70	4536853906443
330847	F3S-TGR-NSPR-21-05	Non-contact door switch, reed, small plastic, 2NC+1NO, 5m cable	127.60	4547648882866
330848	F3S-TGR-NSPR-21-10	Non-contact door switch, reed, small plastic, 2NC+1NO, 10m cable	135.10	4547648882873



**RFID non-contact door switch**

RFID Non-contact switches are designed to monitor hinge, sliding or removal guard doors.

- Based on RFID technology (code) and hall technology (distance check)
- The RFID-design covers two operation models with very high anti-tamper level: M-types (Master coded): Any sensor works with any actuator, like traditional switches
- U-types (Unique coded): Each sensor and actuator use a unique code. This is a solution for applications that requires even a higher anti-tamper level
- Connect up to 20 switches in series
- LED supports easy diagnosis
- Compensation of mechanical tolerances
- Non-contact – no abrasion – no particles
- Operates with all OMRON safety controllers
- Suitable for CIP/SIP processes and high pressure cleaning due IP69K (pre-wired types)
- Conforms to safety categories up to PLe acc. EN ISO 13849-1

Short item number	Order code	Description	Price EUR	GTIN
387923	F3S-TGR-NLPM-21-05	Non-contact door switch, RFID master coded, elongated plastic, 2NC+1NO, 5m cable	113.00	4547648977340
387924	F3S-TGR-NLPM-21-10	Non-contact door switch, RFID master coded, elongated plastic, 2NC+1NO, 10m cable	125.60	4547648977357
378257	F3S-TGR-NLPM-21-M1J8	Safety Non-contact Doorswitch, RFID master coded, elongated plastic housing, 2NC/1NO, M12 8pin	127.40	4547648965590
387921	F3S-TGR-NLPU-21-05	Non-contact door switch, RFID unique coded, elongated plastic, 2NC+1NO, 5m cable	113.00	4547648977326
378256	F3S-TGR-NLPU-21-M1J8	Safety Non-contact Doorswitch, RFID unique coded, elongated plastic housing, 2NC/1NO, M12 connector pigtail	128.80	4547648965583
387919	F3S-TGR-NSPM-21-05	Non-contact door switch, RFID master coded, small plastic, 2NC+1NO, 5m cable	129.40	4547648977302
383763	F3S-TGR-NSPM-21-M1J8	Non-contact door switch, small, RFID master code, M12 pigtail connector, 2NC+1NO contacts	136.00	4547648974042
387916	F3S-TGR-NSPU-21-05	Non-contact door switch, RFID unique coded, small plastic, 2NC+1NO, 5m cable	129.40	4547648977272
387918	F3S-TGR-NSPU-21-M1J8	Non-contact door switch, RFID unique coded, small plastic, 2NC+1NO, M12 connector pigtail	146.00	4547648977296



**Explosion proof non-contact switches**

Explosion proof reed non-contact switches monitor the status of guarding doors in petrochemical and food applications with explosive atmospheres.

- Based on reed technology
- Connect up to 6 switches in series
- Operates with all Omron safety controllers
- Operates behind stainless steel fittings
- Non-contact – no abrasion – no particles
- Compensation of mechanical tolerances
- Suitable for high pressure cleaning, CIP/SIP processes
- Conforms to safety categories up PLe acc. EN ISO13849-1
- For use in hazardous areas IECEx and ATEX EExd IIC T6 (Gas and Dust). Designed for Petro-chemical and food applications where explosive atmospheres are present.

Short item number	Order code	Description	Price EUR	GTIN
387942	F3S-TGR-NLXM-21-10	Non-contact door switch, ex zone, reed, elongated stainless steel, 2NC+1NO, 10m cable	325.70	4547648977531



### Electronic non-contact door monitoring system

Best-in-class reliability in applications with slow operating doors and connectivity for up to 30 D40A non-contact switches to one G9SX-NS control unit provides flexibility in application.

- Stable operation reduces controller errors caused by unstable doors
- Connect up to 30 non-contact door switches with LED to one controller
- Reversible switch provides flexibility in installation
- Two colour LED indicator for easy maintenance

Short item number	Order code	Description	Price EUR	GTIN
355125	D40A-1C015-F	Non-contact door switches, Pigtail with M12 connector 4-pole	124.60	4547648839068
353674	D40A-1C2	Non-contact door switches, 2m cable	130.10	4547648839044
353675	D40A-1C5	Non-contact door switches, 5m cable	124.90	4547648839051
356424	D40Z-1C2	Non-contact door switch, compact sensor, LED indicator, 1NO aux, requires G9SX-NS or G9SP controller for Category 4/PLe, 2 m	219.70	4547648833752
356425	D40Z-1C5	Non-contact door switch, compact sensor, LED indicator, 1NO aux, requires G9SX-NS or G9SP controller for Category 4/PLe, 5 m	230.50	4547648833677
356438	D40Z-1C-A	Safety non-contact door switch, Cat 4/PLe, actuator only	86.65	4547648833684



### Compact non-contact door switch/flexible safety unit

RFID magnetic locking safety switches Magnetic latching combines with RFID technology to deliver high holding force and tamper resistance.

- RFID provides a high degree of tamper resistance
- Hygienic design – stainless steel versions are rated IP69K
- LEDs support easy fault diagnosis
- Install up to 20 switches in series
- Basic and Unique actuator types with type 4 coding
- Two switch sizes with multiple holding force options
- Three case materials Plastic, diecast metal, 316 stainless steel
- Up to PLe based on ISO 13849-1

Short item number	Order code	Description	Price EUR	GTIN
669735	D40ML-P2-B-5M	RFID Magnetic Locking Safety Switch, Plastic, 900N, Basic Actuator Code, 5m Cable	359.60	4548583968066
669708	D40ML-P2-B-M12	RFID Magnetic Locking Safety Switch, Plastic, 900N, Basic Actuator Code, Pigtail w/M12 Connector	379.50	4548583967793
669709	D40ML-P2-U-M12	RFID Magnetic Locking Safety Switch, Plastic, 900N, Unique Actuator Code, Pigtail w/M12 Connector	379.50	4548583967809

Short item number	Order code	Description	Price EUR	GTIN
670948	D40ML-CBL-M12-10M	Quick Disconnect Cable, 8-pin M12 to Flying Leads, PVC Jacket, 10 Meter Length	55.60	4548583973756
670947	D40ML-CBL-M12-5M	Quick Disconnect Cable, 8-pin M12 to Flying Leads, PVC Jacket, 5 Meter Length	46.29	4548583973749





### Key-operated door switch in plastic housing

The D4NS line-up includes three-contact models with 2NC/1NC and 3NC contact forms in addition to the previous contact forms, 1NC/1NO and 2NC. Models with M12 connectors and conduit opening, such as M20, are also available.

- Line-up with three contacts: 2NC/1NC and 3NC contact forms
- Line-up with two contacts 1NC/1NO and 2NC
- M12 connector types available
- Standardised gold-clad contacts for high contact reliability
- Applicable for standard loads and micro loads

Short item number	Order code	Description	Price EUR	GTIN
163395	D4NS-1AF	Safety interlock switch, 1NC/1NO, 10 A, single PG 13.5 conduit	24.94	4536854963629
163393	D4NS-1BF	Safety interlock switch, 2 NC, 10 A, 1 x PG13.5 conduit	24.94	4536854963674
162281	D4NS-1CF	Safety interlock switch, 2NC+1NO, 10 A, single PG 13.5 conduit	23.12	4536854963728
100324	D4NS-1DF	Safety interlock switch, 3NC, 10 A, single PG 13.5 conduit	23.48	4536854963766
163779	D4NS-2AF	Safety interlock switch, 1NC/1NO, 10 A, single G1/2 conduit	21.62	4536854963636
163692	D4NS-2BF	Safety interlock switch, 2NC, 10 A, single G1/2 conduit	24.57	4536854963681
162586	D4NS-2CF	Safety interlock switch, 2NC/1NO, 10 A, single G1/2 conduit	24.94	4536854963735
162290	D4NS-2DF	Safety interlock switch, 3NC, 10 A, single G1/2 conduit	23.12	4536854963773
162578	D4NS-4AF	Safety-door switch, D4NS, M20 (1-conduit), 1NC/1NO (slow-action)	20.55	4536854963667
163778	D4NS-4BF	Safety interlock switch, M20 (1-conduit), 2NC (slow-action)	20.55	4536854963704
163875	D4NS-4CF	Safety-door switch, D4NS, M20 (1-conduit), 2NC/1NO (slow-action)	23.87	4536854963759
163560	D4NS-4DF	Safety-door switch, D4NS, M20 (1-conduit), 3NC (slow-action)	23.87	4536854963797
163876	D4NS-4FF	Safety-door switch, D4NS, M20 (1-conduit), 2NC/1NO (MBB contact)	25.66	4536854963872
163563	D4NS-5AF	Safety-door switch, PG13.5 (2-conduit), 1NC/NO (slow-action)	26.26	4536854963889
162295	D4NS-5BF	Safety interlock switch, PG13.5 (2-conduit), 2NC (slow-action)	28.65	4536854963919
163693	D4NS-8BF	Safety interlock switch, 2 NC, 10 A, 2 x M20 conduit	26.19	4536854963957
100390	D4NS-8CF	Safety interlock switch, 2 NC+1 NO, 10 A, 2 x M20 conduit	28.48	4536854963995
163192	D4NS-9AF	Safety interlock switch, 1 NC/1 NO, 10 A, M12 connector	50.90	4536854964121
163874	D4NS-9BF	Safety interlock switch, 2 NC, 10 A, M12 connector	50.90	4536854964138
227639	D4NS-SK30	Slide key with protective cover, for D4NS 1-conduit type, includes D4DS-K2	471.80	4547648183109

Short item number	Order code	Description	Price EUR	GTIN
104525	D4DS-K1	Guard lock safety-door switch accessory, D4NL/DS, operation key: horizontal mounting	3.01	4536853219956
134023	D4DS-K2	Guard lock safety-door switch accessory, D4NL/DS, operation key: vertical mounting	3.01	4536853219963
150258	D4DS-K3	Guard lock safety-door switch accessory, D4NL/DS, operation key: adjustable mounting (horizontal)	10.63	4536853219970
152522	D4DS-K5	Guard lock safety-door switch accessory, D4NL/DS, operation key: adjustable mounting (horizontal/vertical)	16.89	4536854383878



### Key-operated door switch in slim housing

The D4GS line-up includes two- and three-contact models with various contact configurations. D4GS safety-door switches have a cable connection with a length of 1m, 3m or 5m.

- Slim housing only 17mm wide
- Line up with up to three contacts: 1NC/1NO, 2NC, 2NC/1NO and 3NC
- Reversible design allows front or rear mounting
- Key operation hole with rubber mounting to absorb vibration and shock

Short item number	Order code	Description	Price EUR	GTIN
133907	D4GS-N1R	Safety door switch, IP67, 1NC/1NO (slow-action), horizontal key insertion, 1m cable	60.35	4536854687976
133910	D4GS-N2R	Safety door switch, IP67, 2NC (slow-action), horizontal key insertion, 1m cable	62.15	4536854688034
133916	D4GS-N3R	Safety door switch, IP67, 2NC/1NO (slow-action), horizontal key insertion, 1 m cable	67.10	4536854688171
133923	D4GS-NK1	Operation Key, horizontal mounting	7.33	4536854688300
133828	D4GS-NK2	Operation Key, vertical mounting	7.73	4536854688317
133829	D4GS-NK4	Operation Key, adjustable	19.46	4536854688324

## F3S-TGR-KM15 /-KM16 /-KH16

## Safety door switches



### Safety door switches with stainless steel head or full stainless steel body

This safety door switches use a stainless steel head or even a full stainless steel body to increase the robustness.

- 2NC/1NO or 3NC contacts
- Key entry turnable to back side
- 4 key insertion positions
- 3 M20 conduit entries
- Positive break contacts (to IEC 60947-5-1)

Short item number	Order code	Description	Price EUR	GTIN
419025	F39-TGR-KAM	Key for safety key switch with metal head	5.65	4547648999700
419029	F39-TGR-KHFH	Key for safety key switch, flexible with hygienic stainless steel body	40.24	4547648999748
419032	F3S-TGR-KM15-21	Safety key switch, plastic body with stainless steel head, M20, 2NC/1NO	59.50	4547648999779



### Key-operated door switch in metal housing

The D4BS line-up includes two-contact models with 1NC/1NO and 2NC in a robust metal housing. 1 or 3 conduit openings, such as M20 or PG13,5 are available.

- Robust metal housing
- Line-up with two contacts: 1NC/1NO and 2NC
- Standardised gold-clad contacts for high contact reliability
- Applicable for standard loads and micro loads

Short item number	Order code	Description	Price EUR	GTIN
134578	D4BS-15FS	Safety-door switch, D4BS, PG13.5 (1 conduit), 1NC/1NO (slow-action)	40.16	4536853207366
134589	D4BS-1AFS	Safety-door switch, D4BS, PG13.5 (1 conduit), 2NC (slow-action)	42.94	4536853207564
134579	D4BS-25FS	Limit switch	40.83	4536853207373
134590	D4BS-2AFS	Safety interlock switch, DPDB 2-NC, 10 A	51.20	4536853207571
147019	D4BS-45FS	Limit switch	42.27	4536854776724
148098	D4BS-4AFS	Safety interlock switch, DPDB 2-NC, 10 A	45.07	4536854776731

Short item number	Order code	Description	Price EUR	GTIN
134587	D4BS-K1	Safety-door switch accessory, D4BS, operation key: horizontal mounting	5.43	4536853207533
134588	D4BS-K2	Safety-door switch accessory, D4BS, operation key: vertical mounting	6.21	4536853207540
148097	D4BS-K3	Safety-door switch accessory, D4BS, operation key: horizontal mounting	19.62	4536853207557

### Additional safety door switches

### Safety door switches

Short item number	Order code	Description	Price EUR	GTIN
134702	D4BL-1CRA	Safety door-lock switch, mechanical lock, 24 VDC, 1NC/1NO+1NC, 10 A	280.90	4536853204372
158134	D4BL-1CRA-A	Safety door-lock switch, mechanical lock, 24 VDC, 1NC/1NO+1NC, 10 A	338.00	4536853204365
134710	D4BL-1DRA-A	Safety door-lock switch, mechanical lock, 24 VDC, 2 NC/1 NO+1 NC, 10 A	376.70	4536853204525
134708	D4BL-2CRA	Safety door-lock switch, mechanical lock, 24 VDC, 1NC+1NC/1NO+1NC, 10 A	276.80	4536853204433
134711	D4BL-2DRA	Safety door-lock switch, mechanical lock, 24 VDC, 2NC/1NO+1NC, 10 A	325.30	4536853204556
134724	D4BL-2DRG	Limit switch	302.10	4536854404221
670949	D4JL-2NFA-D5	Door switch with mechanical lock, Solenoid release, with orange indicator, (2NC/1NO+2NC/1NO).	215.10	4547648174909
265608	D4JL-4NFA-C6	Guard lock safety door-switch, M20, 2NC/1NO + 2NC/1NO, plastic, mechanical lock/24 VDC solenoid release, 24 VDC green LED indicator, special release key + rear release button	208.80	4547648175241

Short item number	Order code	Description	Price EUR	GTIN
134705	D4BL-K1	Slide operation key for D4BL switch, horizontal mounting	7.86	4536853204402
134706	D4BL-K2	Slide operation key for D4BL switch, vertical mounting	10.92	4536853204419
134707	D4BL-K3	Hinge operation key for D4BL switch, vertical mounting (horiz. adjust.)	20.27	4536853204426

## Guard-locking door switch in plastic housing



The D4NL guard-lock safety door switches are available with four or five built-in contacts. When locked, they have a key holding force of up to 1300N. Mechanical lock/solenoid release types and vice versa set up the complete range in combination with various conduit types, e.g. M20.

- Safety door switch with electromagnetic lock or unlock mechanism
- Models with four or five built-in contacts
- Strong key holding force: 1300N
- For standard loads and micro loads
- Keys are compatible with D4GL and D4NS

Short item number	Order code	Description	Price EUR	GTIN
133792	D4NL-1AFA-B	Safety door-lock switch, mechanical lock, 24 VDC, 1NC/1NO + 1NC/1NO, 10 A, PG 13.5 entry	146.30	4536854898341
154667	D4NL-1AFG-B	Safety door-lock switch, solenoid lock, 24 VDC, 1NC/1NO + 1NC/1NO, 10 A, PG 13.5 entry	151.70	4536854898587
133797	D4NL-1CFA-B	Safety door-lock switch, mechanical lock, 24 VDC, 2NC + 1NC/1NO, 10 A, PG 13.5 entry	145.20	4536854898402
133813	D4NL-1CFG-B	Safety door-lock switch, solenoid lock, 24 VDC, 2NC + 1NC/1NO, 10 A, PG 13.5 entry	144.60	4536854898648
144779	D4NL-1DFA-B	Safety door-lock switch, mechanical lock, 24 VDC, 2NC + 2NC, 10 A, PG 13.5 entry	152.00	4536854898433
228865	D4NL-1DFA-BS	Safety door-lock switch, mechanical lock, 24 VDC, 2NC + 2NC, PG13.5 entry, Front key release	149.90	4536854903212
133802	D4NL-1EFA-B	Safety door-lock switch, PG13.5 entry, 2NC/1NO + 1NC/1NO, mechanical lock, 24 VDC	144.60	4536854898464
133732	D4NL-2AFA-B4	Safety door-lock switch, mechanical lock, 24 VDC, 1NC/1NO + 1NC/1NO, G1/2 entry	148.20	4536854898839
133795	D4NL-2BFA-B	Safety door-lock switch, mechanical lock, 24 VDC, 1NC/1NO + 2NC, G1/2 entry	146.60	4536854898389
133800	D4NL-2DFA-B	Safety door-lock switch, mechanical lock, 24 VDC, 2NC + 2NC, 10 A, G1/2 entry	139.80	4536854898440
145868	D4NL-2DFA-B4	Safety door-lock switch, mechanical lock, 24 VDC, 2NC + 2NC, G1/2 entry	152.00	4536854898921
133817	D4NL-2DFG-B	Safety door-lock switch, mechanical lock, 24 VDC, 2NC + 2NC, G1/2 entry	132.10	4536854898686
133805	D4NL-2FFA-B	Safety door-lock switch, G1/2 entry, 3NC + 2NC, mechanical lock, 24 VDC	166.70	4536854898501
353628	D4NL-2FFA-B4S	Safety door-lock switch, G1/2 entry, 2NC/1NO + 2NC, mechanical lock, 24 VDC, Front key release	166.70	4547648621021
133822	D4NL-2FFG-B	Safety door-lock switch, G1/2 entry, 2NC/1NO + 2NC, 24 VDC solenoid lock / mechanical release	161.80	4536854898747
155468	D4NL-2HFG-B	Safety door-lock switch, G1/2 entry, 3NC + 2NC, solenoid lock, 24 VDC	155.40	4536854898808
133793	D4NL-4AFA-B	Guard lock safety-door switch, D4NL, M20, 1NC/1NO + 1NC/1NO (slow-action), head: plastic, mechanical lock/24-VDC solenoid release, 10 to 115 VAC/VDC LED indicator	148.60	4536854898365
133810	D4NL-4AFG-B	Guard lock safety-door switch, D4NL, M20, 1NC/1NO + 1NC/1NO (slow-action), head: plastic, 24-VDC solenoid lock/mechanical release, 10 to 115 VAC/VDC LED indicator	149.90	4536854898600
133799	D4NL-4CFA-B	Guard lock safety-door switch, D4NL, M20, 2NC + 1NC/1NO (slow-action), head: plastic, mechanical lock/24-VDC solenoid release, 10 to 115 VAC/VDC LED indicator	146.60	4536854898426
133815	D4NL-4CFG-B	Guard lock safety-door switch, D4NL, M20, 2NC + 1NC/1NO (slow-action), head: plastic, 24-VDC solenoid lock/mechanical release, 10 to 115 VAC/VDC LED indicator	149.90	4536854898662
133801	D4NL-4DFA-B	Guard lock safety-door switch, D4NL, M20, 2NC + 2NC (slow-action), head: plastic, mechanical lock/24-VDC solenoid release, 10 to 115 VAC/VDC LED indicator	150.60	4536854898457
151293	D4NL-4DFG-B	Guard lock safety-door switch, D4NL, M20, 2NC + 2NC (slow-action), head: plastic, 24-VDC solenoid lock/mechanical release, 10 to 115 VAC/VDC LED indicator	150.60	4536854898693
133803	D4NL-4EFA-B	Guard lock safety-door switch, D4NL, M20, 2NC/1NO + 1NC/1NO (slow-action), head: plastic, mechanical lock/24-VDC solenoid release, 10 to 115 VAC/VDC LED indicator	155.10	4536854898488
133820	D4NL-4EFG-B	Guard lock safety-door switch, D4NL, M20, 2NC/1NO + 1NC/1NO (slow-action), head: plastic, 24-VDC solenoid lock/mechanical release, 10 to 115 VAC/VDC LED indicator	155.10	4536854898723
142528	D4NL-4FFA-B	Guard lock safety-door switch, D4NL, M20, 2NC/1NO + 2NC (slow-action), head: plastic, mechanical lock/24-VDC solenoid release, 10 to 115 VAC/VDC LED indicator	155.40	4536854898518
133823	D4NL-4FFG-B	Guard lock safety-door switch, D4NL, M20, 2NC/1NO + 2NC (slow-action), head: plastic, 24-VDC solenoid lock/mechanical release, 10 to 115 VAC/VDC LED indicator	155.40	4536854898754
133806	D4NL-4GFA-B	Guard lock safety-door switch, D4NL, M20, 3NC + 1NC/1NO (slow-action), head: plastic, mechanical lock/24-VDC solenoid release, 10 to 115 VAC/VDC LED indicator	155.40	4536854898549
133809	D4NL-4HFA-B	Guard lock safety-door switch, D4NL, M20, 3NC + 2NC (slow-action), head: plastic, mechanical lock/24-VDC solenoid release, 10 to 115 VAC/VDC LED indicator	155.40	4536854898570
133827	D4NL-4HFG-B	Guard lock safety-door switch, D4NL, M20, 3NC + 2NC (slow-action), head: plastic, 24-VDC solenoid lock/mechanical release, 10 to 115 VAC/VDC LED indicator	155.40	4536854898815

## Guard-lock safety door switch



The D4SL-N guard-lock provides a wide range of models for the safe monitoring of entries and positions of guards.

- Key holding force 1,300 N
- 4, 5 and 6 contact types
- Terminal block types and connector types
- Drive solenoid directly from the controller
- Turning key insertion point without detaching head

Short item number	Order code	Description	Price EUR	GTIN
669102	D4SL-N2NFA-D	Guard lock safety door switch, G1/2 conduit, 2NC/1NO+2NC/1NO, metal: resin, Mechanical lock/24VDC solenoid release, LED indicator	198.10	4548583316171
372876	D4SL-N2NFG-DN	Guard lock safety door switch, G1/2 conduit, 2NC/1NO+2NC/1NO, resin head, solenoid lock, connector	161.50	4548583316225
367767	D4SL-N4AFA	Guard lock safety-door switch, D4SL-N, M20, 1NC/1NO + 1NC/1NO, head: resin, mechanical lock/24VDC solenoid release	161.50	4548583315051
382531	D4SL-N4AFA-N	Guard lock safety-door switch, M20, 1NC/1NO + 1NC/1NO, head: resin, Mechanical lock/24VDC solenoid release, connector	174.50	4548583315068
374819	D4SL-N4AFG	Guard lock safety-door switch, D4SL-N, M20, 1NC/1NO + 1NC/1NO, head: resin, 24VDC solenoid lock/mechanical release	168.90	4548583315075
382548	D4SL-N4CFA	Guard lock safety-door switch, D4SL-N, M20, 2NC + 1NC/1NO, head: resin, Mechanical lock/24VDC solenoid release	132.10	4548583315136
377986	D4SL-N4CFG	Guard lock safety-door switch, D4SL-N, M20, 2NC + 1NC/1NO, head: resin, 24VDC solenoid lock/mechanical release	163.50	4548583315150
382551	D4SL-N4DFA	Guard lock safety-door switch, D4SL-N, M20, 2NC + 2NC, head: resin, Mechanical lock/24VDC solenoid release	134.10	4548583315174
377987	D4SL-N4DFG	Guard lock safety-door switch, D4SL-N, M20, 2NC + 2NC, head: resin, 24VDC solenoid lock/mechanical release	163.50	4548583315198
382663	D4SL-N4EFA-D	Guard lock safety-door switch, D4SL-N, M20, 2NC/1NO + 1NC/1NO, head: resin, Mechanical lock/24VDC solenoid release, LED indicator	132.10	4548583315853
382555	D4SL-N4EFG-D	Guard lock safety-door switch, D4SL-N, M20, 2NC/1NO + 1NC/1NO, head: resin, 24VDC solenoid lock/mechanical release, LED indicator	139.40	4548583315891
382664	D4SL-N4FFA-D	Guard lock safety-door switch, D4SL-N, M20, 2NC/1NO + 2NC, head: resin, Mechanical lock/24VDC solenoid release, LED indicator	139.40	4548583315938
382560	D4SL-N4FFA-D4	Door locking switch, M20, 2NC/1NO + 2NC, head: resin, Mechanical lock/24VDC solenoid release, LED indicator, special release key	139.40	4548583315952
382562	D4SL-N4FFG-D	Guard lock safety-door switch, D4SL-N, M20, 2NC/1NO + 2NC, head: resin, 24VDC solenoid lock/mechanical release, LED indicator	139.40	4548583315976
382661	D4SL-N4GFA-D	Guard lock safety-door switch, D4SL-N, M20, 3NC + 1NC/1NO, head: resin, Mechanical lock/24VDC solenoid release, LED indicator	156.80	4548583316010
382577	D4SL-N4HFG-D	Guard lock safety-door switch, D4SL-N, M20, 3NC + 2NC, head: resin, 24VDC solenoid lock/mechanical release, LED indicator	139.50	4548583316133
373889	D4SL-N4NDA-D	Guard lock safety door switch, M20 conduit, 2NC/1NO+2NC/1NO, metal head, solenoid release, terminal block	189.00	4548583317772
373890	D4SL-N4NDG-D	Guard lock safety door switch, M20 conduit, 2NC/1NO+2NC/1NO, metal head, solenoid lock, terminal block	187.30	4548583317819
371536	D4SL-N4NFA-D	Guard lock safety-door switch, D4SL-N, M20, 2NC/1NO + 2NC/1NO, head: resin, mechanical lock/24VDC solenoid release, 24VDC (LED indicator)	177.10	4548583316812
382581	D4SL-N4NFA-DN	Guard lock safety-door switch, D4SL-N, M20, 2NC/1NO + 2NC/1NO, head: resin, Mechanical lock/24VDC solenoid release, LED indicator, connector	132.10	4548583316829
382584	D4SL-N4NFG-D	Guard lock safety-door switch, D4SL-N, M20, 2NC/1NO + 2NC/1NO, head: resin, 24VDC solenoid lock/mechanical release, LED indicator	139.40	4548583316850
382622	D4SL-N4QDA-D	Door locking switch, M20, 3NC + 2NC/1NO, head: metal, Mechanical lock/24VDC solenoid release, LED indicator	128.30	4548583317932
373886	D4SL-N4RDA-D	Guard lock safety door switch, M20 conduit, 3NC+3NC, metal head, solenoid release, terminal block	189.00	4548583318014
367248	D4SL-N4RDA-DN	Guard lock safety door switch, M20 conduit, 3NC+3NC, metal head, solenoid release, connector	175.10	4548583318021

Short item number	Order code	Description	Price EUR	GTIN
357560	D4SL-CN3	Guard lock safety-door switch accessory, D4SL-N, connector cable 3m	39.26	4547648782425
357561	D4SL-CN5	Guard lock safety-door switch accessory, D4SL-N, connector cable 5m	63.30	4547648782432
373813	D4SL-NK1	Guard lock safety-door switch accessory, D4SL-N, operation key: horizontal mounting	6.60	4548583322271
372695	D4SL-NK1S	Guard lock safety-door switch accessory, D4SL-N, operation key: horizontal mounting, no cushion rubber (short type)	6.60	4548583322301
373814	D4SL-NK2	Guard lock safety-door switch accessory, D4SL-N, operation key: vertical mounting	6.82	4548583322288
367249	D4SL-NK3	Guard lock safety-door switch accessory, D4SL-N, operation key: adjustable mounting (horizontal)	20.55	4548583322295
373979	D4SL-NSK10-LK	D4SL-N slide/lockout key system, without inner lever	192.60	4548583330122
373978	D4SL-NSK10-LKH	D4SLN slide/lockout key system, with inner lever	232.80	4548583330153

Easy-to-install safety mat with advanced features



- 1 and 2 cable types
- Meets EN ISO 13849-1 (PLd/Safety Category 3) and EN ISO 13856-1
- Can be used with MC3 Safety Mat Controller or NX Safety Controller
- Complies with North American safety standards including ANSI/RIA 15.06

Short item number	Order code	Description	Price EUR	GTIN
354880	MC3	Safety mat controller	459.90	4547648535328
679659	UMMA-0500-0250-1	Safety mat black with 1-cable, 500 x 250 mm dimension	182.10	4549734115254
679657	UMMA-0500-0250-2	Safety mat black with 2-cable, 500 x 250 mm dimension	197.40	4549734116275
680041	UMMA-0500-0400-1	Safety mat black with 1-cable, 500 x 400 mm dimension	296.40	4549734115278
680046	UMMA-0500-0400-2	Safety mat black with 2-cable, 500 x 400 mm dimension	296.40	4549734116299
680042	UMMA-0600-0400-1	Safety mat black with 1-cable, 600 x 400 mm dimension	308.60	4549734115353
680040	UMMA-0600-0400-2	Safety mat black with 2-cable, 600 x 400 mm dimension	308.60	4549734116374
679435	UMMA-0750-0250-1	Safety mat black with 1-cable, 750 x 250 mm dimension	283.60	4549734115421
679570	UMMA-0750-0500-1	Safety mat black with 1-cable, 750 x 500 mm dimension	394.40	4549734115452
680179	UMMA-0750-0750-1	Safety mat black with 1-cable, 750 x 750 mm dimension	586.00	4549734115476
680182	UMMA-0750-0750-2	Safety mat black with 2-cable, 750 x 750 mm dimension	586.00	4549734116497
679817	UMMA-1000-0750-1	Safety mat black with 1-cable, 1000 x 750 mm dimension	634.00	4549734115803
679819	UMMA-1000-0750-2	Safety mat black with 2-cable, 1000 x 750 mm dimension	634.00	4549734116824
679486	UMMA-1000-1250-1	Safety mat black with 1-cable, 1000 x 1250 mm dimension	817.50	4549734115841
678351	UMMA-1000-1500-2	Safety mat black with 2-cable, 1000 x 1500 mm dimension	929.50	4549734116879
680044	UMMYA-0500-0400-1	Safety mat yellow with 1-cable, 500 x 400 mm dimension	324.80	4549734117319
680038	UMMYA-0500-0400-2	Safety mat yellow with 2-cable, 500 x 400 mm dimension	324.80	4549734118330
680045	UMMYA-0600-0400-1	Safety mat yellow with 1-cable, 600 x 400 mm dimension	323.80	4549734117395
680047	UMMYA-0600-0400-2	Safety mat yellow with 2-cable, 600 x 400 mm dimension	323.80	4549734118415
680180	UMMYA-0750-0750-2	Safety mat yellow with 2-cable, 750 x 750 mm dimension	622.50	4549734118538
679542	UMMYA-0750-1500-1	Safety mat yellow with 1-cable, 750 x 1500 mm dimension	759.00	4549734117531
679816	UMMYA-1000-0750-1	Safety mat yellow with 1-cable, 1000 x 750 mm dimension	664.50	4549734117845
679815	UMMYA-1000-0750-2	Safety mat yellow with 2-cable, 1000 x 750 mm dimension	664.50	4549734118866
679539	UMMYA-1000-1000-1	Safety mat yellow with 1-cable, 1000 x 1000 mm dimension	688.00	4549734117876
679541	UMMYA-1000-1500-1	Safety mat yellow with 1-cable, 1000 x 1500 mm dimension	916.00	4549734117890
679538	UMMYA-1000-1500-2	Safety mat yellow with 2-cable, 1000 x 1500 mm dimension	919.00	4549734118910

Short item number	Order code	Description	Price EUR	GTIN
679658	MTKCA-0500-0250	Set of molded outside corners and Trims that fit the mat dimensions 500*250	184.50	4549734114066
680039	MTKCA-0500-0400	Set of molded outside corners and trims that fit the mat dimensions 500 x 400 mm	263.30	4549734114080
680043	MTKCA-0600-0400	Set of molded outside corners and trims that fit the mat dimensions 600 x 400 mm	303.80	4549734114165
679437	MTKCA-0750-0250	Set of molded outside corners and Trims that fit the mat dimensions 750*250	283.60	4549734114233
679571	MTKCA-0750-0500	Set of molded outside corners and Trims that fit the mat dimensions 750*500	309.90	4549734114264
680181	MTKCA-0750-0750	Set of molded outside corners and trims that fit the mat dimensions 750 x 750 mm	398.70	4549734114288
679543	MTKCA-0750-1500	Set of molded outside corners and Trims that fit the mat dimensions 750*1500 mm	388.50	4549734114301
679818	MTKCA-1000-0750	Set of molded outside corners and Trims that fit the mat dimensions 1000 x 750	370.50	4549734114615
679540	MTKCA-1000-1250	Set of molded outside corners and Trims that fit the mat dimensions 1000*1250 mm	394.40	4549734114653
678245	UMA-CBL-3PCF-M8-10M	Single connector 10 m cable to connect a 2-cable Mat (UMMA-2) to a Controller. M8, 3-socket	30.38	4549734113878
679436	UMA-CBL-4PCF-M8-05M	Single connector 5 m cable to connect a 1-cable mat (UMMA-1) to a controller. M8, 4-socket	42.50	4549734113892
363812	UMAL	Aluminium ramp trim, 2.44m	166.50	4547648535298
363814	UMIC	Molded inside corner	57.10	4547648579261
679544	UMJS4	Safety mat, joining trim, 1.22 m	205.40	4547648535267
393576	UMRT4	Safety Mat/Safety Mat controller, Ramp trim with yellow PVC cover (1.22 m)	128.70	4547648535212





### Safety laser scanner

Small size, less weight and low-power consumption are extending operation time of battery powered systems like automated guided vehicles (AGVs). Safety laser scanner OS32C covers all these requirements in collision avoidance, presence and intrusion detection applications. Maintenance is made simple since diagnosis is clear having LED displays.

- Type 3 Safety Laser Scanner complies with IEC61496-1/-3
- 70 sets of safety zone and warning zone combinations
- Safety zone up to 4m and warning zone(s) up to 15m.
- 8 Individual Sector indicators and various LED for clear status indication
- Reference boundary function prevents unauthorized change of scanner position

Short item number	Order code	Description	Price EUR	GTIN
674732	OS32C-BP VER2 @ OEE	Safety laser scanner, safety radius 3 m, warning zone 10 m, PLd & Cat 3 (ISO 13849-1), Ethernet, 24 VDC, back location cable exit	4,227.00	4548583061118
674731	OS32C-BP-4M	Safety laser scanner, safety radius 4 m, warning zone 15 m, PLd & Cat 3, 24 VDC, back location cable exit	5,120.00	4548583522183
674735	OS32C-BP-DM	Safety laser scanner, measurement and EtherNet/IP, safety radius 3 m, warning zone 10 m, PLd & Cat 3 (ISO 13849-1), Ethernet, 24 VDC, back location cable exit	4,654.00	4548583409217
674726	OS32C-BP-DM-4M	Safety laser scanner with measurement data, safety radius 4m, warning zone 10 m, PLd & Cat 3, EtherNet/IP, 24 VDC, back location cable exit	5,645.00	4548583522213
674725	OS32C-SP1 VER2	Safety laser scanner, safety radius 3 m, warning zone 10 m, PLd & Cat 3 (ISO 13849-1), Ethernet, 24 VDC, side location cable exit	4,227.00	4548583061125
674729	OS32C-SP1-4M	Safety laser scanner, safety radius 4m, warning zone 15 m, PLd & Cat 3, 24 VDC, side location cable exit	5,120.00	4548583522176
674734	OS32C-SP1-DM	Safety laser scanner, measurement and EtherNet/IP, safety radius 3 m, warning zone 10 m, PLd & Cat 3 (ISO 13849-1), Ethernet, 24 VDC, side location cable exit	4,654.00	4548583409224
674733	OS32C-SP1-DM-4M	Safety laser scanner with measurement data, safety radius 4m, warning zone 10 m, PLd & Cat 3, EtherNet/IP, 24 VDC, side location cable exit	5,645.00	4548583522206

Short item number	Order code	Description	Price EUR	GTIN
349185	OS32C-BKT1	Bottom/side mounting bracket + unit mounting screws	103.70	4547648823531
349186	OS32C-BKT2	Accessory safety, laser scanner mounting kit, XY rotational mounting, must be used with OS32C-BKT1	113.90	4547648823548
349187	OS32C-BKT3	Simple mounting brackets x 2 + mounting screws	70.65	4547648823555
349188	OS32C-BKT4	Safety laser scanner protective cover for window	73.25	4547648823562
349178	OS32C-CBL-03M	Safety laser scanner power and I/O cable, 3m	114.50	4547648823463
349179	OS32C-CBL-10M	Safety laser scanner power and I/O cable, 10m	152.30	4547648823470
349180	OS32C-CBL-20M	Safety laser scanner power and I/O cable, 20m	223.60	4547648823487
349181	OS32C-CBL-30M	Safety laser scanner power and I/O cable, 30m	294.10	4547648823494
349182	OS32C-ECBL-02M	Ethernet cable, for configuration and monitoring, 2 m	173.30	4547648823500
349183	OS32C-ECBL-05M	Ethernet cable, for configuration and monitoring, 5 m	222.60	4547648823517
674727	OS32C-SN VER2	Accessory safety, laser scanner, spare for replacement, sensor block without I/O block, Ver.2	3,435.00	4548583061132
349191	OS32C-WIN-KT	Accessory safety, laser scanner, spare for replacement, Scan window	132.90	4547648823593



**Advanced type for complex safety solutions**

The F3SG-RA advanced safety light curtain provides simplicity in mounting, daily operation and maintenance.

- Torsion-resistant for fast and simple alignment
- Smart-click cable connection for fast set-up and correct torque to ensure IP67
- QR code indication for easy online troubleshooting
- PNP/NPN output selection by DIP switch
- Cascading connection up to 3 segments and up to 255 beams
- Built in blanking, muting and reset functions

Short item number	Order code	Description	Price EUR	GTIN
673576	F3SG-4RA0240-14	Safety Sensor, F3SG-R Advanced, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 240 mm, PNP/NPN	816.50	4549734102056
673533	F3SG-4RA0270-30	Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 270 mm, PNP/NPN	692.50	4549734102551
673491	F3SG-4RA0320-14	Safety Sensor, F3SG-R Advanced, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 320 mm, PNP/NPN	893.00	4549734102063
673564	F3SG-4RA0350-30	Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 350 mm, PNP/NPN	749.50	4549734102568
673497	F3SG-4RA0400-14	Safety Sensor, F3SG-R Advanced, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 400 mm, PNP/NPN	969.50	4549734102070
673560	F3SG-4RA0430-30	Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 430 mm, PNP/NPN	807.00	4549734102575
673567	F3SG-4RA0480-14	Safety Sensor, F3SG-R Advanced, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 480 mm, PNP/NPN	1,046.00	4549734102087
673569	F3SG-4RA0510-30	Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 510 mm, PNP/NPN	863.00	4549734102582
673542	F3SG-4RA0560-14	Safety Sensor, F3SG-R Advanced, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 560 mm, PNP/NPN	1,124.00	4549734102094
673519	F3SG-4RA0590-30	Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 590 mm, PNP/NPN	921.00	4549734102599
673510	F3SG-4RA0640-14	Safety Sensor, F3SG-R Advanced, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 640 mm, PNP/NPN	1,200.00	4549734102100
673578	F3SG-4RA0670-30	Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 670 mm, PNP/NPN	978.00	4549734102605
673511	F3SG-4RA0750-30	Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 750 mm, PNP/NPN	1,036.00	4549734102612
673529	F3SG-4RA0800-14	Safety Sensor, F3SG-R Advanced, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 800 mm, PNP/NPN	1,353.00	4549734102124
673504	F3SG-4RA0830-30	Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 830 mm, PNP/NPN	1,094.00	4549734102629
673554	F3SG-4RA0910-30	Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 910 mm, PNP/NPN	1,150.00	4549734102636
673568	F3SG-4RA0960-14	Safety Sensor, F3SG-R Advanced, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 960 mm, PNP/NPN	1,506.00	4549734102148
673505	F3SG-4RA0990-30	Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 990 mm, PNP/NPN	1,208.00	4549734102643
673550	F3SG-4RA1040-14	Safety Sensor, F3SG-R Advanced, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 1040 mm, PNP/NPN	1,583.00	4549734102155
673553	F3SG-4RA1070-30	Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 1070 mm, PNP/NPN	1,264.00	4549734102650
673527	F3SG-4RA1150-30	Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 1150 mm, PNP/NPN	1,322.00	4549734102667
673580	F3SG-4RA1200-14	Safety Sensor, F3SG-R Advanced, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 1200 mm, PNP/NPN	1,737.00	4549734102179
673594	F3SG-4RA1230-30	Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 1230 mm, PNP/NPN	1,379.00	4549734102674
673513	F3SG-4RA1470-30	Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 1470 mm, PNP/NPN	1,551.00	4549734102704
673549	F3SG-4RA1550-30	Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 1550 mm, PNP/NPN	1,609.00	4549734102711
673523	F3SG-4RA1630-30	Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 1630 mm, PNP/NPN	1,665.00	4549734102728
673487	F3SG-4RA1950-30	Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 1950 mm, PNP/NPN	1,896.00	4549734102766

## Easy type for simple ON/OFF detection applications

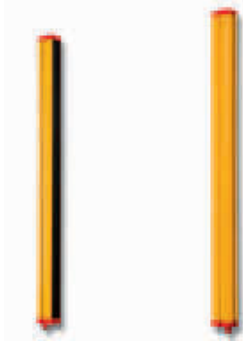
The F3SG-RE easy safety light curtain provides simplicity in mounting, operation and maintenance.

- Torsion-resistant for fast and simple alignment
- Smart-click cable connection for fast set-up and correct torque to ensure IP67
- QR code indication for easy online troubleshooting



Short item number	Order code	Description	Price EUR	GTIN
673579	F3SG-2RE0270P30	Safety Sensor, F3SG-R Easy, Type 2, 30 mm resolution, range 0.3 to 20.0 m, height 270 mm, PNP	465.30	4549734103954
673572	F3SG-2RE0320P14	Safety Sensor, F3SG-R Easy, Type 2, 14 mm resolution, range 0.3 to 10.0 m, height 320 mm, PNP	647.50	4549734103718
673490	F3SG-2RE0910P30	Safety Sensor, F3SG-R Easy, Type 2, 30 mm resolution, range 0.3 to 20.0 m, height 910 mm, PNP	926.00	4549734104036
673489	F3SG-2RE1070P30	Safety Sensor, F3SG-R Easy, Type 2, 30 mm resolution, range 0.3 to 20.0 m, height 1070 mm, PNP	1,008.00	4549734104050
673303	F3SG-4RE0160P14	Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 160 mm, PNP	609.00	4549734103145
673285	F3SG-4RE0190P30	Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 190 mm, PNP	513.50	4549734103398
673276	F3SG-4RE0240P14	Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 240 mm, PNP	679.50	4549734103152
673294	F3SG-4RE0320P14	Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 320 mm, PNP	749.50	4549734103169
673256	F3SG-4RE0350P30	Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 350 mm, PNP	618.50	4549734103411
673272	F3SG-4RE0400P14	Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 400 mm, PNP	819.50	4549734103176
673293	F3SG-4RE0430P30	Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 430 mm, PNP	671.00	4549734103428
673258	F3SG-4RE0480P14	Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 480 mm, PNP	890.00	4549734103183
673297	F3SG-4RE0510P30	Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 510 mm, PNP	723.50	4549734103435
673298	F3SG-4RE0560P14	Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 560 mm, PNP	959.50	4549734103190
673278	F3SG-4RE0590P30	Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 590 mm, PNP	775.50	4549734103442
673270	F3SG-4RE0640P14	Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 640 mm, PNP	1,030.00	4549734103206
673279	F3SG-4RE0670P30	Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 670 mm, PNP	829.00	4549734103459
673292	F3SG-4RE0720P14	Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 720 mm, PNP	1,101.00	4549734103213
673289	F3SG-4RE0750P30	Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 750 mm, PNP	882.00	4549734103466
673290	F3SG-4RE0800P14	Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 800 mm, PNP	1,171.00	4549734103220
673291	F3SG-4RE0830P30	Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 830 mm, PNP	933.50	4549734103473
673300	F3SG-4RE0880P14	Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 880 mm, PNP	1,241.00	4549734103237
673284	F3SG-4RE0910P30	Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 910 mm, PNP	987.00	4549734103480
673283	F3SG-4RE0960P14	Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 960 mm, PNP	1,312.00	4549734103244
673263	F3SG-4RE0990P30	Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 990 mm, PNP	1,040.00	4549734103497
673304	F3SG-4RE1040P14	Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 1040 mm, PNP	1,381.00	4549734103251
673269	F3SG-4RE1070P30	Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 1070 mm, PNP	1,094.00	4549734103503
673301	F3SG-4RE1120P14	Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 1120 mm, PNP	1,453.00	4549734103268
673262	F3SG-4RE1200P14	Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 1200 mm, PNP	1,523.00	4549734103275
673271	F3SG-4RE1230P30	Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 1230 mm, PNP	1,198.00	4549734103527
673257	F3SG-4RE1310P30	Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 1310 mm, PNP	1,251.00	4549734103534
673275	F3SG-4RE1470P30	Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 1470 mm, PNP	1,356.00	4549734103558
673281	F3SG-4RE1520P14	Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 1520 mm, PNP	1,817.00	4549734103312
673273	F3SG-4RE1550P30	Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 1550 mm, PNP	1,408.00	4549734103565
673274	F3SG-4RE1630P30	Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 1630 mm, PNP	1,462.00	4549734103572
673264	F3SG-4RE1790P30	Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 1790 mm, PNP	1,568.00	4549734103596

Category 4 / 2 safety light curtain



The F3S-TGR-CL safety sensor family is simple to wire, mount and configure since all models in finger-, hand- and body protection in type 2 and type 4 are designed in the same way, providing the same set of user selectable functions.

- Finger- or hand protection (14 or 35mm resolution)
- Max. operating range 6m and 14m respectively
- Type 2 or type 4 acc. EN61496-1
- All models with external device monitoring, interlock/start/restart and multiplex optical channels
- Advanced models for muting, blanking, pre-reset and cyclic operation (selectable via built-in dip-switches)
- Muting lamp integrated
- EN ISO 13849-1 – ready

Short item number	Order code	Description	Price EUR	GTIN
656630	F3S-TGR-CL2A-035-1200	Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 1200mm	1,279.00	4548583738973
656655	F3S-TGR-CL2A-035-300	Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 300mm	556.50	4548583738294
656705	F3S-TGR-CL2A-035-600	Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 600mm	869.50	4548583738577
656513	F3S-TGR-CL2B-014-150	Safety light curtain, finger 14mm, range 0.2-6m, stand-alone, height 150mm	443.40	4548583738140
656784	F3S-TGR-CL2B-014-300	Safety light curtain, finger 14mm, range 0.2-6m, stand-alone, height 300mm	618.50	4548583738546
656512	F3S-TGR-CL2B-014-750	Safety light curtain, finger 14mm, range 0.2-6m, stand-alone, height 750mm	1,090.00	4548583739024
656746	F3S-TGR-CL2B-035-1050	Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 1050mm	1,107.00	4548583738904
656748	F3S-TGR-CL2B-035-1200	Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 1200mm	1,224.00	4548583738980
656528	F3S-TGR-CL2B-035-1500	Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 1500mm	1,486.00	4548583739109
656656	F3S-TGR-CL2B-035-300	Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 300mm	512.50	4548583738300
656502	F3S-TGR-CL2B-035-450	Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 450mm	696.50	4548583738423
656706	F3S-TGR-CL2B-035-600	Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 600mm	829.00	4548583738584
656583	F3S-TGR-CL2B-035-750	Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 750mm	910.50	4548583738782
656708	F3S-TGR-CL2B-035-900	Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 900mm	1,100.00	4548583738867
656742	F3S-TGR-CL4B-014-300	Safety light curtain, finger 14mm, range 0.2-6m, stand-alone, height 300mm	1,036.00	4548583738560
656659	F3S-TGR-CL4B-014-450	Safety light curtain, finger 14mm, range 0.2-6m, stand-alone, height 450mm	1,294.00	4548583738843
656792	F3S-TGR-CL4B-014-600	Safety light curtain, finger 14mm, range 0.2-6m, stand-alone, height 600mm	1,503.00	4548583738966
656527	F3S-TGR-CL4B-014-750	Safety light curtain, finger 14mm, range 0.2-6m, stand-alone, height 750mm	1,897.00	4548583739048
656589	F3S-TGR-CL4B-035-1500	Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 1500mm	1,939.00	4548583739123
656577	F3S-TGR-CL4B-035-300	Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 300mm	829.00	4548583738324
656503	F3S-TGR-CL4B-035-450	Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 450mm	984.50	4548583738447
656581	F3S-TGR-CL4B-035-600	Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 600mm	1,139.00	4548583738607
656584	F3S-TGR-CL4B-035-750	Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 750mm	1,294.00	4548583738805
656791	F3S-TGR-CL4B-035-900	Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 900mm	1,449.00	4548583738881

Short item number	Order code	Description	Price EUR	GTIN
352024	F39-TGR-AS-B-1200	Adjustable stand for F3S-TGR-CL family, height 1200 mm, 1 pcs.	521.00	4548583036680
352025	F39-TGR-AS-B-1600	Adjustable stand for F3S-TGR-CL family, height 1600 mm, 1 pcs.	808.00	4548583036697
377560	F39-TGR-CL-LLK	Laser-alignment kit including bracket for F3S-TGR-CL SLC	614.50	4547648962902
284041	F39-TGR-CVL-B-15-R	Receiver cable M12 8-pin, female connector, shielded cable 15 m	100.90	4547648866064
249239	F39-TGR-ST-ADJ	Mounting bracket (1 pc) for TGR light curtain, adjustable +/- 8°	21.52	4547648857277
249241	F39-TGR-ST-MDG2	Mounting kit to fix MDG-serie mirror on ECO-1 stand	70.75	4547648857291
249246	F39-TGR-ST-SB	Mounting bracket (1 pc) for TGR light curtain	11.38	4547648857345



### Advanced type for complex safety solutions

The F3SJ-A-family is a type 4 safety light curtain with an optical resolution of 14 mm and 30 mm. An operating range of up to 9 m and protective heights up to 2,495 mm providing end to end detection with zero dead zone.

- Detection height = sensor height
- Muting and blanking function available
- Series connection up to 4 Sets
- LED bar for easy alignment and diagnosis
- Type 4 sensor complying with EN 61496-1 and up to PLe according EN ISO 13849-1

Short item number	Order code	Description	Price EUR	GTIN
225435	F3SJ-A0545P20	Safety Light Curtain, F3SJ Advanced, Type 4, 20mm resolution, range 0.2 to 9.0m, height 545mm, PNP	1,757.00	4547648136907



### Basic type with a combination of performance and functionality

The F3SJ-B-family is a type 4 safety light curtain with an optical resolution of 25 mm. An operation range of up to 7 m and a protective height up to 2,065 mm are provided with no dead zone.

- Detection height = sensor height
- Simple hand protection
- Muting function available
- Series connection up to three sets
- Type 4 sensor complying with EN 61496-1 and up to PLe according EN ISO 13849

Short item number	Order code	Description	Price EUR	GTIN
356723	F3SJ-B0185P25	Safety Light Curtain, F3SJ Basic, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 185 mm, PNP	690.00	4548583047402
356745	F3SJ-B0225P25	Safety Light Curtain, F3SJ Basic, Type 4, 25mm resolution, range 0.2 to 7.0m, height 225mm, PNP	752.50	4548583047419
356724	F3SJ-B0305P25	Safety Light Curtain, F3SJ Basic, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 305 mm, PNP	822.50	4548583047426
356740	F3SJ-B0465P25	Safety Light Curtain, F3SJ Basic, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 465 mm, PNP	1,010.00	4548583047440
356741	F3SJ-B0545P25	Safety Light Curtain, F3SJ Basic, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 545 mm, PNP	1,027.00	4548583047457
356738	F3SJ-B0625P25	Safety Light Curtain, F3SJ Basic, Type 4, 25mm resolution, range 0.2 to 7.0m, height 625mm, PNP	1,156.00	4548583047464
356726	F3SJ-B0705P25	Safety Light Curtain, F3SJ Basic, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 705 mm, PNP	1,216.00	4548583047471
356739	F3SJ-B0785P25	Safety Light Curtain, F3SJ Basic, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 785 mm, PNP	1,306.00	4548583047488
356746	F3SJ-B0945P25	Safety Light Curtain, F3SJ Basic, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 945 mm, PNP	1,454.00	4548583047501
356728	F3SJ-B1025P25	Safety Light Curtain, F3SJ Basic, Type 4, 25mm resolution, range 0.2 to 7.0m, height 1025mm, PNP	1,540.00	4548583047518
356729	F3SJ-B1185P25	Safety Light Curtain, F3SJ Basic, Type 4, 25mm resolution, range 0.2 to 7.0m, height 1185mm, PNP	1,763.00	4548583047532
356747	F3SJ-B1265P25	Safety Light Curtain, F3SJ Basic, Type 4, 25mm resolution, range 0.2 to 7.0m, height 1265mm, PNP	1,873.00	4548583047549
356742	F3SJ-B1505P25	Safety Light Curtain, F3SJ Basic, Type 4, 25mm resolution, range 0.2 to 7.0m, height 1505mm, PNP	2,053.00	4548583047570



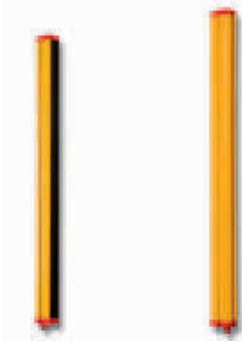
### Easy type for simple and affordable hand protection

The F3SJ-E-family is a type 4 safety light curtain with an optical resolution of 25 mm. An operation range of up to 7 m and a protective height up to 1,105 mm are provided with no dead zone.

- Detection height = sensor height
- Small housing
- Simple and affordable hand protection
- Reduced wiring, quick mount brackets and easy-to-view-alignment beams reduce mounting time
- Type 4 sensor complying with EN 61496-1 and up to PLe according EN ISO 13849

Short item number	Order code	Description	Price EUR	GTIN
356003	F3SJ-E0185P25	Safety Light Curtain, F3SJ Easy, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 185 mm, PNP	650.50	4548583047655
356005	F3SJ-E0305P25	Safety Light Curtain, F3SJ Easy, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 305 mm, PNP	825.00	4548583047679
356016	F3SJ-E0385P25	Safety Light Curtain, F3SJ Easy, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 385 mm, PNP	861.50	4548583047686
356006	F3SJ-E0465P25	Safety Light Curtain, F3SJ Easy, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 465 mm, PNP	915.00	4548583047693
356007	F3SJ-E0545P25	Safety Light Curtain, F3SJ Easy, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 545 mm, PNP	1,070.00	4548583047709
356013	F3SJ-E0625P25	Safety Light Curtain, F3SJ Easy, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 625 mm, PNP	1,114.00	4548583047716
356008	F3SJ-E0785P25	Safety Light Curtain, F3SJ Easy, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 785 mm, PNP	1,274.00	4548583047730
356009	F3SJ-E0945P25	Safety Light Curtain, F3SJ Easy, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 945 mm, PNP	1,316.00	4548583047754





### Category 4 / 2 safety light curtain

The F3S-TGR-CL safety sensor family is simple to wire, mount and configure since all models in finger-, hand- and body protection in type 2 and type 4 are designed in the same way, providing the same set of user selectable functions.

- 2-, 3 and 4 beam safety sensors
- Max. operating range 12m in active/passive
- Max. operating range 50m in active/active
- Type 2 or type 4 acc. EN61496-1
- All models with external device monitoring, interlock/start/restart and multiplex optical channels
- Advanced models for Muting, and pre-reset (selectable via built-in dip-switches)
- EN ISO 13849-1 – ready

Short item number	Order code	Description	Price EUR	GTIN
656700	F3S-TGR-CL2B-K2C-500	Safety light curtain, 2 beam, active/passive, body, beam distance 500mm, range 0.5-12m, detection zone 500mm	640.50	4548583738065
656515	F3S-TGR-CL2B-K4C-900	Safety light curtain, 4 beam, active/passive, body, beam distance 300mm, range 0.5-7m, detection zone 900mm	858.00	4548583738348
656616	F3S-TGR-CL4A-K2C-500	Safety light curtain, 2 beam, active/passive, body, beam distance 500mm, range 0.5-12m, detection zone 500mm	700.00	4548583738072
656505	F3S-TGR-CL4A-K3-800	Safety light curtain, 3 beam, active/active, body, beam distance 400mm, range 0.5-40m, detection zone 800mm	942.50	4548583738492
656738	F3S-TGR-CL4A-K3C-800	Safety light curtain, 3 beam, active/passive, body, beam distance 400mm, range 0.5-8m, detection zone 800mm	880.50	4548583738270
656622	F3S-TGR-CL4A-K4-900	Safety light curtain, 4 beam, active/active, body, beam distance 300mm, range 0.5-40m, detection zone 900mm	1,051.00	4548583738652
656740	F3S-TGR-CL4A-K4C-1200	Safety light curtain, 4 beam, active/passive, body, beam distance 400mm, range 0.5-7m, detection zone 1200mm	942.50	4548583738393
656739	F3S-TGR-CL4A-K4C-900	Safety light curtain, 4 beam, active/passive, body, beam distance 300mm, range 0.5-7m, detection zone 900mm	946.00	4548583738355
656776	F3S-TGR-CL4B-K2C-500	Safety light curtain, 2 beam, active/passive, body, beam distance 500mm, range 0.5-12m, detection zone 500mm	673.50	4548583738089
656783	F3S-TGR-CL4B-K3-800	Safety light curtain, 3 beam, active/active, body, beam distance 400mm, range 0.5-40m, detection zone 800mm	883.50	4548583738515
656576	F3S-TGR-CL4B-K3C-800	Safety light curtain, 3 beam, active/passive, body, beam distance 400mm, range 0.5-8m, detection zone 800mm	768.50	4548583738287
656788	F3S-TGR-CL4B-K4-1200	Safety light curtain, 4 beam, active/active, body, beam distance 400mm, range 0.5-40m, detection zone 1200mm	1,026.00	4548583738751
656787	F3S-TGR-CL4B-K4-900	Safety light curtain, 4 beam, active/active, body, beam distance 300mm, range 0.5-40m, detection zone 900mm	975.50	4548583738676
656780	F3S-TGR-CL4B-K4C-1200	Safety light curtain, 4 beam, active/passive, body, beam distance 400mm, range 0.5-7m, detection zone 1200mm	942.50	4548583738409
656619	F3S-TGR-CL4B-K4C-900	Safety light curtain, 4 beam, active/passive, body, beam distance 300mm, range 0.5-7m, detection zone 900mm	907.00	4548583738362

Short item number	Order code	Description	Price EUR	GTIN
150199	F39-A11	Muting lamp, to be used with F3SP controllers	86.35	4536853860066
667386	F39-BT	Safety sensor accessory, F3SG-R Advanced, bluetooth unit	94.05	4548583564350
667384	F39-BTLP	Safety Sensor Accessory, F3SG-R Advanced, bluetooth and lamp unit	84.95	4548583564367
667378	F39-GCN4	Safety sensor accessory, F3W-MA Smart Muting Actuator, 4 joint connector set (1 for receiver + 1 for emitter)	129.20	4548583594197
667567	F39-GIF	Safety sensor accessory, F3SG-R Advanced, interface unit	166.30	4548583564381
357833	F39-JBR2W	Series connection cable for extension for F3SJ	154.90	4548583047792
356813	F39-JD10A	Safety Light Curtain Accessory, F3SJ Series, emitter + receiver cable M12 8-pin, female, 10 m	359.50	4548583097124
356814	F39-JD15A	Safety Light Curtain Accessory, F3SJ Series, emitter + receiver cable M12 8-pin, female, 15 m	489.70	4548583097131
356811	F39-JD3A	Safety Light Curtain Accessory, F3SJ Series, emitter + receiver cable M12 8-pin, female, 3 m	189.20	4548583097100
356812	F39-JD7A	Safety Light Curtain Accessory, F3SJ Series, emitter + receiver cable M12 8-pin, female, 7 m	277.60	4548583097117
667628	F39-JG10A-D	Safety sensor accessory, F3SG-R Advanced, receiver cable M12 8-pin, female, 10 m	51.85	4548583567856
667630	F39-JG10A-L	Safety sensor accessory, F3SG-R Advanced, emitter cable M12 5-pin, female, 10 m	38.25	4548583567672
667600	F39-JG15A-D	Safety sensor accessory, F3SG-R Advanced, receiver cable M12 8-pin, female, 15 m	70.00	4548583567863
667626	F39-JG15A-L	Safety sensor accessory, F3SG-R Advanced, emitter cable M12 5-pin, female, 15 m	50.25	4548583567689
667634	F39-JG1B-D	Safety sensor accessory, F3SG-R Advanced, receiver extension cable M12 8-pin, male/female, 1 m	28.54	4548583567948
667631	F39-JG1B-L	Safety sensor accessory, F3SG-R Advanced, emitter extension cable M12 5-pin, male/female, 1 m	21.39	4548583567764
667633	F39-JG20A-D	Safety sensor accessory, F3SG-R Advanced, receiver cable M12 8-pin, female, 20 m	87.50	4548583567870
667644	F39-JG20A-L	Safety sensor accessory, F3SG-R Advanced, emitter cable M12 5-pin, female, 20 m	63.15	4548583567696
667599	F39-JG3A-D	Safety sensor accessory, F3SG-R Advanced, receiver cable M12 8-pin, female, 3 m	25.93	4548583567832
667598	F39-JG3A-L	Safety sensor accessory, F3SG-R Advanced, emitter cable M12 5-pin, female, 3 m	19.43	4548583567658
667627	F39-JG7A-D	Safety sensor accessory, F3SG-R Advanced, receiver cable M12 8-pin, female, 7 m	40.51	4548583567849
667625	F39-JG7A-L	Safety sensor accessory, F3SG-R Advanced, emitter cable M12 5-pin, female, 7 m	29.84	4548583567665
667568	F39-JGR2W	Safety Sensor Accessory, F3SG-R Advanced, cascading cable set (2pcs.)	42.72	4548583564398
679503	F39-JGR2WTS	Cascading cable for Safety sensor F3SG-4RA____-25-01TS (two cables per set, for emitter and receiver) M12 (8-pin) to cap connector	96.10	4548583865013
189901	F39-JJR15L	Series connection cable for F3SJ, 0.15 m (cap both ends)	112.30	4547648149631
247741	F39-JMT-10M	Transmitter MS cable, 10m length	28.88	4547648856508
667566	F39-LGA	Safety Sensor Accessory, F3SG-R Series, adjustable bracket set (2pcs.), adjustable +/- 15°	21.41	4548583564121
667565	F39-LGF	Safety sensor accessory, F3SG-R Series, fixed bracket set (2 pcs.)	13.89	4548583564114
667385	F39-LGTB	Safety Sensor Accessory, F3SG-R Series, top/bottom adjustable bracket set (4pcs.), adjustable +/- 22.5°	72.90	4548583564329
355956	F39-LJB1	Safety Light Curtain Accessory, F3SJ-E/-B Series, top/bottom bracket (4 pcs.)	38.18	4548583033092
355957	F39-LJB2	Safety Light Curtain Accessory, F3SJ-E/-B Series, intermediate-side mounting bracket (2 pcs.)	64.70	4548583033108
667337	F39-LP	Safety Sensor Accessory, F3SG-R Advanced, lamp unit	36.20	4548583564343
249222	F39-TGR-MDG0907	Mirror, 125x958mm, for 900mm Safety light curtains	209.40	4547648857109
249224	F39-TGR-MDG1207	Mirror, 125x1258mm, for 1200mm Safety light curtains	240.60	4547648857123

F39-TGR-MCL

Muting actuators



Muting actuators

The F39-TGR-MCL-\_\_ muting actuators are plug-and-play accessories for the F3S-TGR-CL Safety Sensors. Easy wiring of the entire muting system is provided by connection boxes managing all connections needed.

- Active/active and active/passive systems supported
- T- and L- shape muting by using same parts
- Selectable muting sensor sequence
- Pre-installed mounting brackets
- Pre-wired connection cables
- Supporting Type 2 and Type 4 applications

Short item number	Order code	Description	Price EUR	GTIN
337393	F39-TGR-MCL	Muting actuators for active/active safety sensor, set of Transmitter and Receiver unit, mounting bracket are pre-mounted	331.40	4547648885010
337396	F39-TGR-MCL-CMD	Muting connection box for Transceiver and Receiver	83.70	4547648885041
337395	F39-TGR-MCL-CML	Muting connection box for Transmitter	46.17	4547648885034
337394	F39-TGR-MCL-R	Muting actuators for active/passive safety sensor, set of Transceiver and Reflector unit, mounting bracket are pre-mounted	336.80	4547648885027



### Smart actuator for muting applications

The F3W-MA smart muting actuator is an integrated sensor system utilizing multiplebeam sensor technology to configure muting systems in combination with the safety light curtain.

- Point-to-point detection mode for workpieces with constant shape
- Chattering/void space prevention mode to prevent impact of small object holes

Short item number	Order code	Description	Price EUR	GTIN
667382	F3W-MA0100P	Safety Sensor Accessory, F3W-MA Smart Muting Actuator, 100mm beam gap	368.30	4548583571150
667381	F3W-MA0300P	Safety Sensor Accessory, F3W-MA Smart Muting Actuator, 300mm beam gap	461.00	4548583571167



### Safety network controller NE1A

The NE1A hosts the safety application program. All local and DeviceNet safety-based in- and outputs are monitored and controlled by the NE1A. It manages up to 16 DeviceNet safety slaves and can be seamlessly integrated in a standard DeviceNet system.

- Removable cage-clamp terminals for easy installation
- Predefined and certified function blocks for easy programming
- LED display and status LEDs for advanced diagnostics
- System status on DeviceNet for easy troubleshooting and predictive maintenance
- Easy scalability through the addition of DeviceNet safety devices

Short item number	Order code	Description	Price EUR	GTIN
231688	NE1A-SCPU01-V1 VER2.0	Safety network controller, 16x PNP inputs, 8x PNP outputs, 4x test outputs	2,047.00	4547648303385
231689	NE1A-SCPU02 VER2.0	Safety network controller, 40 x PNP inputs, 8x PNP outputs, 8x test outputs	3,601.00	4547648303392

Short item number	Order code	Description	Price EUR	GTIN
354910	WS02-CFSC1-EV3	Safety network configurator, PC software	555.00	4548583052260



### The standalone safety controller

The G9SP safety controller provides all local safety in- and outputs and controls the safety application. Standard in- and outputs can be directly connected and diagnosis information is provided via Serial or Ethernet interface.

- Three CPU-types to suit different applications
- Clear diagnosis and monitoring via Ethernet or Serial connection
- Memory cassette for easy duplication of configuration
- Unique programming software to support easy design, verification, standardization and reuse of the program
- Certified according to PLe (EN ISO 13849-1) and SIL 3 (IEC 61508)

Short item number	Order code	Description	Price EUR	GTIN
342714	G9SP-N10D	G9SP Standalone Safety controller, 10 safety input, 16 safety output, 6 test output. PNP	705.50	4547648830263
342713	G9SP-N10S	G9SP Standalone Safety controller, 10 safety input, 4 safety output, 4 test output, 4 standard output. PNP	582.50	4547648830256
342715	G9SP-N20S	G9SP Standalone Safety controller, 20 safety input, 8 safety output, 6 test output. PNP	609.00	4547648830270
393620	WS02-G9SP01-V2	G9SP Configurator, 1 license, WIN-2000/XP/Vista.	421.30	4548583546318

Short item number	Order code	Description	Price EUR	GTIN
364929	82611-0010 CM-EIP-1	G9SP EIP communications option	289.00	4548583062429

## DST-ID

## Programmable safety controllers



### DeviceNet safety I/O terminal block family

The DeviceNet safety input terminal DST-ID has 12 inputs for safety signals. Four test pulse outputs ensure crosstalk and short-circuit detection.

- Removable cage-clamp terminals for easy installation
- 12 inputs for safety signals
- 4 test pulse outputs to ensure crosstalk and short-circuit detection
- Status LEDs for advanced diagnostics
- Mixed-mode operation (safety and standard) for all inputs

Short item number	Order code	Description	Price EUR	GTIN
353672	DST1-ID12SL-1	Remote I/O terminal, 12 x PNP inputs, 4 x test outputs	832.00	4547648836821



### DeviceNet safety I/O terminal block family

The DeviceNet safety I/O-terminal DST-MD has 8 inputs for safety signals and eight solid-state safety outputs with up to 500mA. Four test pulse outputs ensure crosstalk and short-circuit detection of the inputs.

- Removable cage-clamp terminals for easy installation
- 8 inputs for safety signals
- 4 test pulse outputs to ensure crosstalk and short-circuit detection
- 8 solid-state outputs
- Status LEDs for advanced diagnostics

Short item number	Order code	Description	Price EUR	GTIN
353673	DST1-MD16SL-1	Remote I/O terminal, 8 x PNP inputs, 8 x PNP outputs, 4 x test outputs	961.00	4547648836838

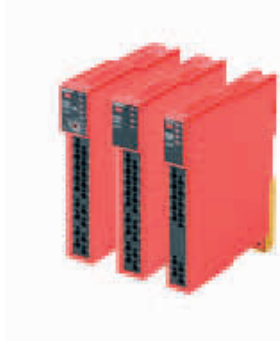


### DeviceNet safety I/O terminal block family

The DeviceNet safety I/O-terminal DST-MRD has four inputs for safety signals and four safety relay outputs with up to 2A. Four test pulse outputs ensure crosstalk and short-circuit detection of the inputs.

- Removable cage-clamp terminals for easy installation
- 4 inputs for safety signals
- 4 test pulse outputs to ensure crosstalk and short-circuit detection
- 4 relay outputs
- Status LEDs for advanced diagnostics

Short item number	Order code	Description	Price EUR	GTIN
353655	DST1-MRD08SL-1	Remote I/O terminal, 4 x PNP inputs, 4 x relay outputs, 4 x test outputs	1,010.00	4547648836845



### Slim-size safety relay unit family

G9SE-family offers compact units for E-Stop, door and safety monitoring applications. Modules with two or four safety contacts and OFF-delay timing are available on slim-size housing.

- Simple front side wiring using screw-less terminals.
- 17.5 or 22.5 mm width to save mounting space
- 15ms Max. response time
- Safe OFF delay function up to PLe
- Certification for lift standards EN 81-1, EN 81-2
- Up to PLe according to EN ISO 13849-1 and SIL 3 according to EN 61508

Short item number	Order code	Description	Price EUR	GTIN
679415	G9SE-201 DC24	Safety relay unit, 24 VDC, 2 safety outputs 5 A max, aux. output	86.85	4549734169332
679416	G9SE-221-T05 DC24	Safety relay unit, 24 VDC, 4 safety outputs 5 A max (2+2 with 5 s off delay), aux. output	109.70	4549734169356
679413	G9SE-221-T30 DC24	Safety relay unit, 24 VDC, 4 safety outputs 5 A max (2+2 with 30 s off delay), aux. output	109.70	4549734169363
679414	G9SE-401 DC24	Safety relay unit, 24 VDC, 4 safety outputs 5 A max, aux. output	91.25	4549734169349



### Expandable safety relay unit

G9SA-family offers a complete line-up of compact and expandable safety relay units. Modules with safe OFF-delay timing are available as well as a two-hand controller. Simple multiplication of safety contacts is possible by using the connection on the front.

- 45mm-wide housing, expansion units are 17.5mm wide
- Safe OFF-delay timer
- Simple expansion connection
- Certification up to PLe according to EN ISO 13849-1 depending on the application

Short item number	Order code	Description	Price EUR	GTIN
346855	G9SA-301 AC/DC24	Safety relay unit, 3PST-NO (Category 4), 5 A, SPST-NC aux, 1 or 2 channel input	118.50	4547648813945
347788	G9SA-301 AC100-240	Safety relay unit, 3PST-NO (Category 4), 5 A, SPST-NC aux, 1 or 2 channel input	173.70	4547648814058
346848	G9SA-321-T075 AC/DC24	Safety relay unit, 3PST-NO (Category 4), 5 A, SPST-NC aux, DPST-NO 0.5 to 7.5sec 'OFF-delay' category 3 outputs, 1 or 2 channel input	215.70	4547648813969
347775	G9SA-321-T075 AC100-240	Safety relay unit, 3PST-NO (Category 4), 5 A, SPST-NC aux, DPST-NO 0.5 to 7.5sec 'OFF-delay' category 3 outputs, 1 or 2 channel input	216.20	4547648814072
347783	G9SA-321-T15 AC/DC24	Safety relay unit, 3PST-NO (Category 4), 5 A, SPST-NC aux, DPST-NO 1 to 15sec 'OFF-delay' category 3 outputs, 1 or 2 channel input	215.40	4547648813976
347784	G9SA-321-T30 AC/DC24	Safety relay unit, 3PST-NO (Category 4), 5 A, SPST-NC aux, DPST-NO 2 to 30sec 'OFF-delay' category 3 outputs, 1 or 2 channel input	214.80	4547648813983
346847	G9SA-501 AC/DC24	Safety relay unit, 5PST-NO (Category 4), 5 A, SPST-NC aux, 1 or 2 channel input	167.20	4547648813952
347786	G9SA-EX301	Expansion unit for G9SA, 3PST-NO (Category 4), 5 A, SPST-NC aux	107.70	4547648814003
347785	G9SA-TH301 AC/DC24	Two-hand controller, 3PST-NO (Category 4), 5 A, SPST-NC aux, 2 channel input	130.10	4547648813990
347778	G9SA-TH301 AC100-240	Two-hand controller, 3PST-NO (category 4), 5 A, SPST-NC aux, 2 channel input	154.60	4547648814102





### Slim-size safety unit

G9SB is a family of slender safety relay units, providing two safety contacts in a 17.5mm- and three safety contacts in a 22.5mm-wide housing.

- 17.5mm- and 22.5mm-wide housing
- 1- and 2-input channel units
- Manual and automatic reset units
- Certification up to PLe according to EN ISO 13849-1 depending on the application

Short item number	Order code	Description	Price EUR	GTIN
346849	G9SB-2002-A AC/DC24	Safety relay unit, DPST-NO (Category 4), 5 A, 2 channel input, auto-reset	97.15	4547648814195
346850	G9SB-2002-C AC/DC24	Safety relay unit, DPST-NO (Category 4), 5 A, 2 channel input, manual-reset	97.15	4547648814218
347790	G9SB-200-B AC/DC24	Safety relay unit, DIN17.5mm, DPST-NO (Category 4), 5 A, 1 or 2 channel input, auto-reset (+ common input)	86.30	4547648814201
347791	G9SB-200-D AC/DC24	Safety relay unit, DIN 17.5mm, DPST-NO (Category 4), 5 A, 1 or 2 channel input, manual-reset (+ common input)	96.95	4547648814225
346851	G9SB-3010 DC24	Safety relay unit, DIN 17.5mm, 3PST-NO (Category 3), SPST-NC aux., 5 A, 2 channel direct breaking input, auto-reset	102.70	4547648814232
347792	G9SB-3012-A AC/DC24	Safety relay unit, 3PST-NO (Category 4), SPST-NC aux., 5 A, 2 channel input, auto-reset	106.70	4547648814249
346852	G9SB-3012-C AC/DC24	Safety relay unit, 3PST-NO (Category 4), SPST-NC aux., 5 A, 2 channel input, manual-reset	106.70	4547648814263
347793	G9SB-301-B AC/DC24	Safety relay unit, DIN 22.5mm, 3PST-NO (Category 4), 5 A, SPST-NC aux, 1 or 2 channel input, auto-reset (+ common input)	94.95	4547648814256
347794	G9SB-301-D AC/DC24	Safety relay unit, DIN 22.5mm, 3PST-NO (Category 4), 5 A, SPST-NC aux, 1 or 2 channel input, manual-reset (+ common input)	107.00	4547648814270



### Compact safety relay unit family

G9SR family modules operate standalone and as a system with input and output extension. All modules are simple to set up using DIP-switches and provide clear diagnosis via LEDs on the front.

- Three modules for all safety relay unit applications
- Solid-state outputs for long life and high current safety relay outputs
- Detailed LED indications enable easy diagnosis
- Safe on- and off-delay function up to PLe
- Up to PLe according to EN ISO 13949-1 and SIL 3 according to EN 61508

Short item number	Order code	Description	Price EUR	GTIN
395792	G9SR-AD201-RC	Safety relay unit, 24VDC, 2 safety 5A, aux. output	146.30	4547648989039
395791	G9SR-BC201-RC	Safety relay unit, 24VDC, 2 safety 2A max, aux. output	91.65	4547648989022
395793	G9SR-EX031-T90-RC	Safety relay unit, 24VDC, output extension, 90s, 3 safety 5A, aux. output	141.40	4547648989046



### Flexible safety unit

G9SX-family modules can be connected by a logical “AND” function to implement partial/global stopping of a machine. Solid-state outputs, detailed LED diagnosis and clever feedback signals help to keep maintenance easy. The line-up is completed by expansion units with safe timing functions.

- Clear and transparent segmentation of safety functions by use of unique “AND” connection
- Solid-state outputs for long life and relay outputs in extension box available
- Detailed LED indications enable easy diagnosis
- Clever feedback signals for easy maintenance
- Category-4 according to EN954-1 and SIL 3 according to EN 61508

Short item number	Order code	Description	Price EUR	GTIN
353677	G9SX-AD322-T15-RC DC24	Advanced unit (to be used with Basic unit), 3 x NO solid state outputs (1 A), 2 x NO off delay solid state outputs (0-15s), 2 x NO solid state auxs, logic AND output, 1 or 2 channel input, spring mounted terminals	330.20	4547648837026
353676	G9SX-AD322-T15-RT DC24	Advanced unit (to be used with Basic unit), 3 x NO solid state outputs (1 A), 2 x NO off delay solid state outputs (0-15s), 2 x NO solid state auxs, logic AND output, 1 or 2 channel input, screw terminals	340.40	4547648837019
353679	G9SX-BC202-RC DC24	Basic unit, 2 x NO solid state safety outputs (1 A), 2 x NO solid state auxs, 2 logic AND outputs, 1 or 2 channel input, spring mounted terminals	272.60	4547648837040
353678	G9SX-BC202-RT DC24	Basic unit, 2 x NO solid state safety outputs (1 A), 2 x NO solid state auxs, 2 logic AND outputs, 1 or 2 channel input, screw terminals	272.60	4547648837033
353686	G9SX-GS226-T15-RT DC24	Safety guard switching unit with two operation modes, screw terminals	558.00	4547648837194
353682	G9SX-NS202-RT DC24	Non Contact door switch controller for D40A, 2 instantaneous, 2 Aux, Screw terminals, 24DC	283.90	4547648837156
353685	G9SX-NSA222-T03-RC DC24	Safety relais for D40A non-contact switches, 2 semiconductor outputs without delay, 2 semiconductor outputs with up to 3s delay, 2 auxiliary outputs, spring-cage terminals	433.80	4547648837187
353684	G9SX-NSA222-T03-RT DC24	Non Contact door switch controller for D40A, 2 instantaneous, 2 timed, 2 Aux, Screw terminals, 24DC	433.80	4547648837170



### Safety guard switching unit

The safety controller to support maintenance mode and normal operation mode in a safe way.

- Two operation modes to support auto switching for applications where machine and worker co-operate and manual switching for applications with limitations in operation like maintenance
- Clear LED diagnosis of all in- and outputs
- Applicable up to Category 4 acc. EN 954-1

Short item number	Order code	Description	Price EUR	GTIN
155443	A4E-B200HS	Enabling switch, two outputs, horizontal mounting, no rubber seal	43.52	4536854780318
247806	A4EG-BM2B041	Emergency stop switch, enabling grip switch, momentary operation switch (2NO)	357.20	4547648521642
247804	A4EG-C000041	Emergency stop switch, enabling grip switch, 1 NC (grip output)	281.00	4547648477031

Short item number	Order code	Description	Price EUR	GTIN
247808	A4EG-OP2	Mounting bracket for securing the A4EG	61.20	4547648477062
247809	A4EG-OP3	A4EG Holding Key	52.00	4547648477079



### Standstill monitoring unit with solid state outputs

Safe Standstill monitoring unit based on Back EMF operation for two- and three phase systems.

- Ready to use - covering all standard applications without additional setup
- Easy integration in star- and delta wiring
- Clear LED diagnosis of all in- and outputs
- Applicable up to Category 4 acc. EN 954-1

Short item number	Order code	Description	Price EUR	GTIN
353669	G9SX-SM032-RC	Standstill monitoring unit with spring-cage terminals	772.50	4547648837262
353668	G9SX-SM032-RT	Standstill monitoring unit with screw terminals	772.50	4547648837255



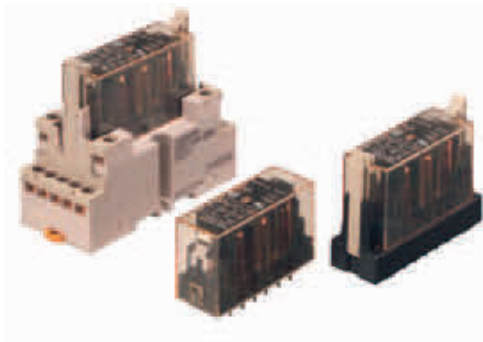
### Relays with forcibly guided contacts

The slim G7SA relay family with forcibly guided contacts is available as a four or six-pole type in various contact combinations and offers reinforced insulation. Terminals are arranged for easy PCB layout. It can be soldered directly to a PCB or used together with the P7SA sockets.

- Forcibly guided contacts
- Conforms to EN 50205
- 6 A at 240 VAC and 6 A at 24 VDC for resistive loads
- Reinforced insulation between inputs, outputs and poles
- 4- and 6-pole relays available
- Sockets available with Push-In technology

Short item number	Order code	Description	Price EUR	GTIN
146147	G7SA-2A2B 24DC	Safety relay, plug-in, DPST-NO, DPST-NC, 6 A, forcibly-guided contacts, 24 VDC	28.79	4536854579691
121590	G7SA-3A1B 24DC	Safety relay, plug-in, 3PST-NO, 3PST-NC, 6 A, forcible-guided contacts, 24 VDC	28.79	4536854579752
121592	G7SA-3A3B 24DC	Safety relay, plug-in, 3PST-NO, 3PST-NC, 6 A, forcible-guided contacts, 24 VDC	32.27	4536854579721
121591	G7SA-4A2B 24DC	Safety relay, plug-in, 4PST-NO, DPST-NC, 6 A, forcible-guided contacts, 24 VDC	32.27	4536854579714
151526	G7SA-5A1B 24DC	Safety relay, plug-in, 5PST-NO, 5PST-NC, 6 A, forcible-guided contacts, 24 VDC	32.27	4536854579707

Short item number	Order code	Description	Price EUR	GTIN
377195	P7SA-10F-ND DC24	Socket, DIN rail/surface mounting, 10 pin, screw terminals, for G7SA 4 pole relays, LED indicator	31.44	4548583409071
677437	P7SA-10F-ND-PU 24VDC	Socket, DIN rail/surface mounting, 10 pin, push-in terminals, for G7SA 4 pole relays, LED indicator	30.63	4549734136150
377193	P7SA-10P	Socket, back connecting, PCB terminals, 10-pin, for G7SA 4 pole relays	7.86	4548583409057
377196	P7SA-14F-ND DC24	Socket, DIN rail/surface mounting, 14 pin, screw terminals, for G7SA 6 pole relays, LED indicator	31.44	4548583409088
677438	P7SA-14F-ND-PU 24VDC	Socket, DIN rail/surface mounting, 14 pin, push in terminals, for G7SA 6 pole relays, LED indicator	30.63	4549734136167
377192	P7SA-14P	Socket, back connecting, PCB terminals, 14-pin, for G7SA 6 pole relays	6.91	4548583409040



### Relays with forcibly guided contacts

The slim G7S-...E relay family with forcibly guided contacts is available as a six-pole type in two different contact combinations. Terminals are arranged for easy PCB layout. It can be soldered directly to a PCB or used together with the P7SA sockets.

- Forcibly guided contacts
- Conforms to EN 50205
- NO contacts: 10 A at 250 VAC and 10 A at 30 VDC, NC contacts: 6 A at 250 VAC and 6 A at 30 VDC (for resistive loads)
- Reinforced insulation between inputs and outputs and poles
- 4- and 6-pole relays available

Short item number	Order code	Description	Price EUR	GTIN
121503	G7S-3A3B-E DC24	Safety relay, plug-in, 3PST-NO, 3PST-NC, 10 A, forcibly-guided contacts, 24 VDC	36.38	4536854872631
121504	G7S-4A2B-E DC24	Safety relay, plug-in, 4PST-NO, 2PST-NC, 10 A, forcibly-guided contacts, 24 VDC	36.38	4536854872648
113493	P7S-14F-END DC24	Socket, DIN rail/surface mounting, screw terminals, led indicator, for G7S relay	24.87	4536854872655

Short item number	Order code	Description	Price EUR	GTIN
308692	A22TK-2LL-12-K01	Safety Key Selector Switch, Operation Unit 2LL, DPST-NC + SPST-NO, Key 01	180.00	4547648715058
346846	F3SP-B1P	Control Unit for F3SJ, 3NO + 1NC, (use F39-JC_B double ended cable)	354.00	4547648813402
149979	F3SP-U3P-TGR	controller for 2 x E3FS safety photoelectric sensors	439.80	4536853864842
153354	F3SP-U5P-TGR	controller for 4 x E3FS safety photoelectric sensors complete with muting function for up to 4 muting sensors	563.50	4536853864866
679426	LR5-02KTNK	DC 24 V, Base Unit, Mounting Bracket with knock-outs/Terminal, No Flashing Buzzer, Black	42.16	4549734932332
679425	LR5-02KTNW	DC 24 V, Base Unit, Mounting Bracket with knock-outs/Terminal, No Flashing Buzzer, Off-white	42.16	4549734932325
679432	LR6-E-B	DC 24 V, LED Unit, Blue	45.52	4549734932394
679431	LR6-E-G	DC 24 V, LED Unit, Green	34.91	4549734932387
679434	LR6-E-R	Modular signal tower, LED modul, Red, 24 VDC	34.91	4549734932417
679433	LR6-E-Y	DC 24 V, LED Unit, Amber	34.91	4549734932400
679430	LR7-02KTNK	Signal Tower Ø 70 mm LR7 24 VDC Base module Black PNP/NPN	45.52	4549734932370
679428	LR7-02KTNU	DC 24 V, Base Unit, Mounting Bracket with knock-outs/Terminal, No Flashing/Buzzer, Silver	55.70	4549734932356
679429	LR7-02KTNW	DC 24 V, Base Unit, Mounting Bracket with knock-outs/Terminal, No Flashing/Buzzer, Off-white	45.52	4549734932363
679424	SZP-003U	Circular bracket, Silver.	11.65	4549734932318

Short item number	Order code	Description	Price EUR	GTIN
393975	ELMON-RAIL-41-322	Safety relay for safety edge, PL d, 24 VAC/DC, 1 channel input, relay output	283.30	4547648987516



### Protect your heating application

This temperature monitoring relay was designed specially for monitoring abnormal temperatures to prevent excessive temperature increase and to protect equipment. K8AK-TH provides temperature monitoring in slim design with a width of just 22.5mm.

- Simple function settings using DIP switch
- Selectable alarm latch and SV setting protection
- Multi-input support for thermocouple or Pt100 and Pt1000 sensor input
- Change-over relay: fail-safe selectable
- Alarm status identification with LED

Short item number	Order code	Description	Price EUR	GTIN
378187	K8AK-TH11S 100-240VAC	Monitoring relay 22.5 mm wide, over or under temperature, 0-999 °C/F Thermocouple and PT100 input types, One SPDT	50.45	4548583402515
378188	K8AK-TH11S 24VAC/DC	Monitoring relay 22.5 mm wide, over or under temperature, 0-999 °C/F Thermocouple and PT100 input types, One SPDT	50.45	4548583402522
378189	K8AK-TH12S 100-240VAC	Monitoring relay 22.5 mm wide, over or under temperature, 0 to 1700 °C/F (minimum setting 10 °C), Thermocouple input type, One SPDT	50.45	4548583402539
378190	K8AK-TH12S 24VAC/DC	Monitoring relay 22.5 mm wide, over or under temperature, 0 to 1700 °C/F (minimum setting 10 °C), Thermocouple input type, One SPDT	50.45	4548583402546

## E5C2

## Basic temperature controllers



### Easy-to-use, basic temperature controller with analogue dial setting

Omron's basic ON/OFF or PD controller features an analogue setting dial. This compact, low-cost controller has a setting accuracy of 2% of full scale. It incorporates a plug-in socket allowing for DIN-rail or flush mounting.

- Compact, cost-effective controller
- Control mode: ON/OFF or P
- Control output: relay
- Power supply: 100-120 / 200-240VAC
- Thermocouple K: 0 to 1200°C, L: 0 to 400°C, Pt100: -50 to 200°C

Short item number	Order code	Description	Price EUR	GTIN
378352	E5C2-R20J 100-240VAC 0-400	Basic temperature controller, 1/16 DIN, 48 x 48 mm, Dial knob, On-Off Control, J-Thermocouple, 0-400deg., 100 to 240V AC	87.40	4548583418288
378343	E5C2-R20K 100-240VAC 0-1200	Temp. controller, LITE, 1/16 DIN, 48x48mm, Dial knob, On-Off Control, K-Thermocouple, 0-1200deg., 100-240V AC	97.45	4548583418134
378359	E5C2-R20K 100-240VAC 0-200	Temp. controller, LITE, 1/16 DIN, 48x48mm, Dial knob, On-Off Control, K-Thermocouple, 0-200deg., 100-240V AC	107.40	4548583418073
378360	E5C2-R20K 100-240VAC 0-400	Temp. controller, LITE, 1/16 DIN, 48x48mm, Dial knob, On-Off Control, K-Thermocouple, 0-400deg., 100-240V AC	108.70	4548583418097
378361	E5C2-R20K 100-240VAC 0-600	Temp. controller, LITE, 1/16 DIN, 48x48mm, Dial knob, On-Off Control, K-Thermocouple, 0-600deg., 100-240V AC	108.70	4548583418103
378363	E5C2-R20P-D 100-240VAC 0-100	Temp. controller, LITE, 1/16 DIN, 48x48mm, Dial knob, On-Off Control, Pt100, 0-100deg., 100-240V AC	109.00	4548583418240
378364	E5C2-R20P-D 100-240VAC 0-200	Temp. controller, LITE, 1/16 DIN, 48x48mm, Dial knob, On-Off Control, Pt100, 0-200deg., 100-240V AC	112.50	4548583418325
378355	E5C2-R20P-D 100-240VAC 0-300	Temp. controller, LITE, 1/16 DIN, 48x48mm, Dial knob, On-Off Control, Pt100, 0-300deg., 100-240V AC	108.70	4548583418332





### The easy way to perfect temperature control

This multi-range 1/16 DIN controller with alarm function offers field-selectable PID control or ON/OFF control. The large, single display shows process value, direction of deviation from set point, output and alarm status.

- All setting field configurable with switches
- Multi-input (Thermocouple/Pt100)
- Clearly visible 3.5-digit display with character height of 13.5mm
- Control output: relay, voltage (for driving SSR)
- ON/OFF or 2-PID control with auto-tuning and self-tuning

Short item number	Order code	Description	Price EUR	GTIN
229456	E5CSV-Q1T-500 100-240 VAC	Temp. controller, LITE, DIN48x48, 12 VDC pulsed output, Thermocouple and RTD(PT100) input, 1 x Alarm OUT, 100-240V AC	156.10	4547648223201
229458	E5CSV-Q1TD-500 24VAC/DC	Temp. controller, LITE, DIN48x48, 12 VDC pulsed output, Thermocouple and RTD(PT100) input, 24VAC/VDC supply, 1 x Alarm OUT, 24 VAC/DC	158.80	4547648223171
229455	E5CSV-R1T-500 100-240 VAC	Temp. controller, LITE, DIN48x48, SPST relay output, Thermocouple and RTD(PT100) input, 100/240 VAC supply, 1 x Alarm OUT, 100-240V AC	156.60	4547648223195
229457	E5CSV-R1TD-500 24VAC/DC	Temp. controller, LITE, DIN48x48, SPST relay output, Thermocouple and RTD(PT100) input, supply, 1 x Alarm OUT, 24VAC/VDC	159.40	4547648223218



### Cost effective performance

The new E5CB represents our dual-display solution in the basic temperature controller segment. With eight models to choose from and all featuring the unique 2-PID control algorithm, this series provides you with the best control available. All models have an alarm relay and auto-tuning as standard.

- Precise control using our unique 2-PID system
- Easy to read from a distance via large 16.2 mm PV display
- Low unit depth (only 60 mm)

Short item number	Order code	Description	Price EUR	GTIN
352128	E5CB-Q1P 100-240 VAC	Temp. controller, LITE, 1/16DIN (48 x 48mm), 12 VDC pulsed output, Pt100, ON/OFF or PID Control, Pt100 RTD input, 1 Alarm Rel., 100-240 VAC	128.90	4548583012882
352130	E5CB-Q1PD 24VAC/DC	Temp. controller, LITE, 1/16DIN (48 x 48mm), 12 VDC pulsed output, Pt100, ON/OFF or PID Control, Pt100 RTD input, 1 Alarm Rel., 24 VAC/DC	128.90	4548583012905
352127	E5CB-Q1TC 100-240 VAC	Temp. controller, LITE, 1/16DIN (48 x 48mm), 12 VDC pulsed output, ON/OFF or PID Control, Thermocouple input, 1 Alarm Rel., 100-240 VAC	128.90	4548583012875
352129	E5CB-Q1TCD 24VAC/DC	Temp. controller, LITE, 1/16DIN (48 x 48mm), 12 VDC pulsed output, ON/OFF or PID Control, Thermocouple input, 1 Alarm Rel., 24 VAC/DC	128.90	4548583012899
352124	E5CB-R1P 100-240 VAC	Temp. controller, LITE, 1/16DIN (48 x 48mm), relay output, ON/OFF or PID Control, Pt100 RTD input, 1 Alarm Rel., 100-240 VAC	128.90	4548583012844
352126	E5CB-R1PD 24VAC/DC	Temp. controller, LITE, 1/16DIN (48 x 48mm), relay output, ON/OFF or PID Control, Pt100 RTD input, 1 Alarm Rel., 24 VAC/DC	128.90	4548583012868
352123	E5CB-R1TC 100-240 VAC	Temp. controller, LITE, 1/16DIN (48 x 48mm), relay output, ON/OFF or PID Control, Thermocouple input, 1 Alarm Rel., 100-240 VAC	128.90	4548583012820
352125	E5CB-R1TCD 24VAC/DC	Temp. controller, LITE, 1/16DIN (48 x 48mm), relay output, ON/OFF or PID Control, Thermocouple input, 1 Alarm Rel., 24 VAC/DC	128.90	4548583012851



### High performance & simplicity

The next generation E5\_C temperature controller is setting a new global standard in terms of precision and user-friendly design. Best control performance, easy set-up and outstanding visibility of the white IP66 LCD display have been integrated into a space-saving housing only 60 mm deep.

- Fast and precise regulation: 50 ms sampling loop period time
- Easy to set up, and operate intuitively via CX-Thermo without power supply
- Best contrast display using white LCD technology which is visible from a far distance and from any angle
- Useful alarm and diagnosis functions for secure operation
- Practical timer and logic operation functions eliminating the need of a PLC
- Additional models with different features are available. Please check related product catalogue.

Short item number	Order code	Description	Price EUR	GTIN
374727	E5AC-CX4A5M-000	Temp. controller, PRO; 1/4 DIN (96x96 mm); t/c & Pt100 & analog;4 alarms; 1st out current (lin)	292.90	4548583350236
374735	E5AC-CX4A5M-014	Temp. controller, PRO, 1/4 DIN (96x96mm),1x0/4-20mA curr. OUT,4 AUX,EVT. I/P 4,RS-485,Transf. OUT,100-240 VAC	434.20	4548583350311
374747	E5AC-PR4A5M-000	Temp. controller, PRO; 1/4 DIN (96x96 mm); t/c & Pt100 & analog;4 alarms;1st out relay; 2n out relay;PRR	343.50	4548583350434
374695	E5AC-QX4A5M-000	Temp. controller, PRO; 1/4 DIN (96x96 mm); t/c & Pt100 & analog;4 alarms;1st out 12 VDC	211.10	4548583349919
374703	E5AC-RR4A5M-000	Temperature controller, PRO; 1/4 DIN (96 x 96 mm); t/c & Pt100 & analog;4 alarms;1st out relay; 2nd out relay	227.60	4548583349995
374687	E5AC-RX4A5M-000	Temp. controller, PRO; 1/4 DIN (96x96 mm); t/c & Pt100 & analog;4 alarms;1st out relay	219.80	4548583349834
374689	E5AC-RX4A5M-009	Temp. controller, PRO,1/4 DIN (96x96mm),1 x Rel. OUT,4 AUX,EVT. I/P 2;RS-485,SSR fail.det./3-PH.,100-240 VAC	294.90	4548583349858
374691	E5AC-RX4A5M-010	Temp. controller, PRO; 1/4 DIN (96x96 mm); t/c & Pt100 & analog;4 alarms;1st out relay;Event IP (4);HBA;SSR failure	259.00	4548583349872
374688	E5AC-RX4D5M-000	Temp. controller, PRO; 1/4 DIN (96x96 mm); t/c & Pt100 & analog;4 alarms;1st out relay	219.80	4548583349841
669546	E5CC-QX2ABM-000	Temperature controller, 1/16DIN (48 x 48mm), 12 VDC pulse output, 2 x auxiliary relay outputs, universal input type, 100-240 VAC	138.50	4548583762343
669542	E5CC-QX2ABM-001	Temperature controller, 1/16DIN (48 x 48mm), 12 VDC pulse output, 2 x auxiliary relay outputs, universal input type, 1 x Heater burnout detection, 2 x Event input, 100-240 VAC	163.90	4548583762367
386704	E5CC-QX2AUM-000	Temp. controller, PRO, 1/16 DIN (48 x 48 mm), Plugin-type, 2 AUX, 1 x 12 VDC pulse OUT, 100 to 240 VAC	130.70	4548583466678
669543	E5CC-QX2DBM-000	Temperature controller, 1/16DIN (48 x 48mm), 12 VDC pulse output, 2 x auxiliary relay outputs, universal input type, 24 V AC/DC	138.50	4548583762350
386699	E5CC-RW2AUM-000	Ent. Universal 2 Alarmes Saída Relé 100-240Vac 48x48	113.10	4548583466616
669534	E5CC-RX2ABM-000	Temperature controller, 1/16DIN (48 x 48mm), 1 x relay output, 2 x auxiliary relay outputs, universal input type, 100-240 VAC	138.50	4548583762244
669552	E5CC-RX2DBM-000	Temperature controller, 1/16DIN (48 x 48mm), 1 x relay output, 2 x auxiliary relay outputs, universal input type, 24 V AC/DC	138.50	4548583762251
377938	E5DC-CX2DSM-000	Temp. controller, PRO, DIN Rail 22,5mm, Uni. I/P,1x0/4-20mA curr. OUT,2 AUX,No cov.,24VAC/DC	148.20	4548583422230
377942	E5DC-CX2DSM-015	Temp. controller, PRO, DIN Rail 22,5mm, Uni. I/P,1x0/4-20mA curr. OUT,2 AUX,RS-485,No cov.,24VAC/DC	171.90	4548583422278
377933	E5DC-QX0ASM-015	Temp. controller, PRO, DIN Rail 22,5mm, Uni. I/P,1 x 12 VDC pulse OUT,No AUX,RS-485,No cov.,100-240 VAC	105.00	4548583422186
377934	E5DC-QX0DSM-015	Temp. controller, PRO, DIN Rail 22,5mm, Uni. I/P,1 x 12 VDC pulse OUT,No AUX,RS-485,No cov.,24VAC/DC	105.00	4548583422193
377929	E5DC-QX2ASM-000	Temp. controller, PRO, DIN Rail 22,5mm, Uni. I/P,1 x 12 VDC pulse OUT,2 AUX,No cov.,100-240 VAC	96.15	4548583422148
377931	E5DC-QX2ASM-002	Temp. controller, PRO, DIN Rail 22,5mm, Uni. I/P,1 x 12 VDC pulse OUT,2 AUX,RS-485,Ht. Burnout SSR fail.,No cov.,100-240 VAC	134.00	4548583422162
377930	E5DC-QX2DSM-000	Temp. controller, PRO, DIN Rail 22,5mm, Uni. I/P,1 x 12 VDC pulse OUT,2 AUX,No cov.,24VAC/DC	96.15	4548583422155
377932	E5DC-QX2DSM-002	Temp. controller, PRO, DIN Rail 22,5mm, Uni. I/P,1 x 12 VDC pulse OUT,2 AUX,RS-485,Ht. Burnout SSR fail.,No cov.,24VAC/DC	134.00	4548583422179
377925	E5DC-RX0ASM-015	Temp. controller, PRO, DIN Rail 22,5mm, Uni. I/P,1 x Rel. OUT,No AUX,RS-485,No cov.,100-240 VAC	105.00	4548583422100
377926	E5DC-RX0DSM-015	Temp. controller, PRO, DIN Rail 22,5mm, Uni. I/P,1 x Rel. OUT,No AUX,RS-485,No cov.,24VAC/DC	105.00	4548583422117
377921	E5DC-RX2ASM-000	Temp. controller, PRO, DIN Rail 22,5mm, Uni. I/P,1 x Rel. OUT,2 AUX,No cov.,100-240 VAC	96.15	4548583422063
377923	E5DC-RX2ASM-002	Temp. controller, PRO, DIN Rail 22,5mm, Uni. I/P,1 x Rel. OUT,2 AUX,RS-485,Ht. Burnout SSR fail.,No cov.,100-240 VAC	134.00	4548583422087
377922	E5DC-RX2DSM-000	Temp. controller, PRO, DIN Rail 22,5mm, Uni. I/P,1 x Rel. OUT,2 AUX,No cov.,24VAC/DC	96.15	4548583422070
377924	E5DC-RX2DSM-002	Temp. controller, PRO, DIN Rail 22,5mm, Uni. I/P,1 x Rel. OUT,2 AUX,RS-485,Ht. Burnout SSR fail.,No cov.,24VAC/DC	134.00	4548583422094
356345	E5EC-CX4A5M-000	Temp. controller, PRO, 1/8 DIN (96x48mm),1x0/4-20mA curr. OUT,4 AUX,100-240 VAC	256.00	4548583091900
356347	E5EC-CX4A5M-004	Temp. controller, PRO, 1/8 DIN (96x48mm),1x0/4-20mA curr. OUT,4 AUX,EVT. I/P 2,RS-485,100-240 VAC	313.80	4548583091924
356346	E5EC-CX4D5M-000	Temp. controller, PRO, 1/8 DIN (96x48mm),1x0/4-20mA curr. OUT,4 AUX,24VAC/DC	256.00	4548583091917
374773	E5EC-PR4A5M-000	Temp. controller, PRO, 1/8 DIN (96x48mm),1 x Valve OUT + Pot.,4 AUX,100-240 VAC	316.60	4548583351073
356337	E5EC-QR4A5M-000	Temperature controller, PRO, 1/8 DIN (96 x 48 mm), 1 x 12 VDC pulse/1 x Rel. OUT,4 AUX,100 to 240 VAC	193.90	4548583091825
356313	E5EC-QX4A5M-000	Temp. controller, PRO, 1/8 DIN (96x48mm),1 x 12 VDC pulse OUT,4 AUX,100-240 VAC	178.10	4548583091580

Short item number	Order code	Description	Price EUR	GTIN
356315	E5EC-QX4A5M-009	Temp. controller, PRO, 1/8 DIN (96x48mm), 1 x 12 VDC pulse OUT, 4 AUX, EVT. I/P 2; RS-485, SSR fail. det./3-PH., 100-240 VAC	222.00	4548583091603
356317	E5EC-QX4A5M-010	Temp. controller, PRO, 1/8 DIN (96x48mm), 1 x 12 VDC pulse OUT, 4 AUX, EVT. I/P 4, Ht. Burnout SSR fail., 100-240 VAC	221.80	4548583091627
669557	E5EC-QX4ABM-000	Temperature controller, 1/8DIN (48 x 96mm), 12 VDC pulse output, 4 x auxiliary relay outputs, universal input type, 100-240 VAC	126.60	4548583762725
669582	E5EC-QX4ABM-008	Temperature controller, 1/8DIN (48 x 96mm), 12 VDC pulse output, 4 x auxiliary relay outputs, universal input type, 1 x Heater burnout detection, 2 x Event input, RS485 communications, 100-240 VAC	157.10	4548583762749
356314	E5EC-QX4D5M-000	Temp. controller, PRO, 1/8 DIN (96x48mm), 1 x 12 VDC pulse OUT, 4 AUX, 24VAC/DC	178.10	4548583091597
356321	E5EC-RR4A5M-000	Temp. controller, PRO, 1/8 DIN (96x48mm), 2 x Rel. OUT, 4 AUX, 100-240 VAC	193.90	4548583091665
356305	E5EC-RX4A5M-000	Temp. controller, PRO, 1/8 DIN (96x48mm), 1 x Rel. OUT, 4 AUX, 100-240 VAC	187.20	4548583091504
356309	E5EC-RX4A5M-010	Temp. controller, PRO, 1/8 DIN (96x48mm), 1 x Rel. OUT, 4 AUX, EVT. I/P 4, Ht. Burnout SSR fail., 100-240 VAC	224.10	4548583091542
356311	E5EC-RX4A5M-011	Temp. controller, PRO, 1/8 DIN (96x48mm), 1 x Rel. OUT, 4 AUX, EVT. I/P 6, Rem. SP I/P, Ht. Burnout SSR fail., Transf. OUT, 100-240 VAC	316.60	4548583091566
669584	E5EC-RX4ABM-000	Temperature controller, 1/8DIN (48 x 96mm), 1 x relay output, 4 x auxiliary relay outputs, universal input type, 100-240 VAC	191.40	4548583762565
669538	E5EC-RX4ABM-010	Temperature controller, 1/8DIN (48 x 96mm), 1 x relay output, 4 x auxiliary relay outputs, universal input type, 1 x Heater burnout detection, 4 x Event input, 100-240 VAC	227.60	4548583762602
356306	E5EC-RX4D5M-000	Temp. controller, PRO, 1/8 DIN (96x48mm), 1 x Rel. OUT, 4 AUX, 24VAC/DC	187.20	4548583091511
356308	E5EC-RX4D5M-009	Temp. controller, PRO, 1/8 DIN (96x48mm), 1 x Rel. OUT, 4 AUX, EVT. I/P 2; RS-485, SSR fail. det./3-PH., 24VAC/DC	257.80	4548583091535
392142	E5GC-CX1ACM-000	Temp. controller PRO, 1/32 DIN (24x48mm), screwless terminals, 1 AUX, 1x0/4-20mA curr. OUT, 100-240 VAC	212.20	4548583505469
392093	E5GC-QX1A6M-000	Temp. controller PRO, 1/32 DIN (24x48mm), screw terminals, 1 AUX, 1 x 12 VDC pulse OUT, 100-240 VAC	174.20	4548583505124
392095	E5GC-QX1ACM-000	Temp. controller PRO, 1/32 DIN (24x48mm), screwless terminals, 1 AUX, 1 x 12 VDC pulse OUT, 100-240 VAC	178.40	4548583505148
392103	E5GC-QX1DCM-000	Temp. controller PRO, 1/32 DIN (24x48mm), screwless terminals, 1 AUX, 1 x 12 VDC pulse OUT, 24V AC/DC	178.40	4548583505155
392127	E5GC-QX2ACM-000	Temp. controller PRO, 1/32 DIN (24x48mm), screwless terminals, 2 AUX, 1 x 12 VDC pulse OUT, 100-240 VAC	193.70	4548583505186
392088	E5GC-RX1ACM-000	Temp. controller PRO, 1/32 DIN (24x48mm), screwless terminals, 1 AUX, 1 x relay OUT, 100-240 VAC	169.70	4548583504820
392102	E5GC-RX1DCM-000	Temp. controller PRO, 1/32 DIN (24x48mm), screwless terminals, 1 AUX, 1 x relay OUT, 24V AC/DC	164.20	4548583504837



### Next generation of controllers

E5\_D is the next generation controllers designed to achieve optimal and automatic temperature control without human intervention.

In fact from now on all typical adjustments made in field by expert are now automated using Artificial Intelligence A.I.

- Adaptive control for self optimization of control setting due to process changes
- Specialized function for better sealing application (packaging) and for watercooled extruders (plastic)
- Draw-out structure for easier maintenance operation
- Same basic specification of E5\_C series

Short item number	Order code	Description	Price EUR	GTIN
676834	E5CD-QX2A6M-000	Temp. controller, PRO, 1/16 DIN (48 x 48 mm), 1 x 12 VDC pulse OUT, 2 AUX, 100 to 240 VAC	156.10	4549734126267
676837	E5CD-QX2D6M-000	Temp. controller, PRO, 1/16 DIN (48 x 48 mm), 1 x 12 VDC pulse OUT, 2 AUX, 24 VAC/DC	156.10	4549734126298
676828	E5CD-RX2A6M-000	Temp. controller, PRO, 1/16 DIN (48 x 48 mm), 1 x Rel. OUT, 2 AUX, 100 to 240 VAC	156.10	4549734126205



### Compact and intelligent Ramp/Soak controllers

The E5\_C-T Ramp/Soak temperature controllers expands the E5\_C family to handle process applications. Capable of addressing up to 6 event inputs and up to 4 auxiliary output all in a compact 60 mm (depth) housing, makes this controller series one of Omron's most powerful and versatile temperature controllers.

- Set up to 8 programs with 32 segments totaling 256 program segments simply via CX-Thermo software.
- The three-level display is visible simultaneously so each process status can be easily identified.
- "Segment Jump" allows users to move directly to the specified segment reducing programming time and increase production throughput.

Short item number	Order code	Description	Price EUR	GTIN
385242	E5CC-TRX3A5M-000	Temp. controller, PRO, 1/16 DIN (48 x 48 mm), Progr., 3 AUX, 1 x Relay OUT, 100 to 240 VAC	163.00	4548583472914

## Universal digital process controllers



The new E5\_N-H series takes the proven E5\_N features to the next level of process control. The N-H-series (E5CN-H, E5EN-H and E5AN-H) has the same ease of installation and operation with the same menu structure as the E5\_N series. The E5\_N-H has improved accuracy, speed and process control features.

- Same Menu structure as E5\_N
- Fast (60ms) and Accurate (0,1%PV)
- Universal inputs & modular outputs
- Setpoint profile programmers (8x32 segments)
- Valve Control

Short item number	Order code	Description	Price EUR	GTIN
246790	E5AN-HAA2HBM-500 100-240 VAC	Temp. controller, PROplus, 1/4 DIN, (96 x 96)mm,2 x OUT option,2 x Aux OUT,1 x HT Burnout SSR fail.,2 Event I/Ps,option unit,Terminal cov.,100-240V AC	459.50	4547648451826
246764	E5AN-HAA2HBMD-500 24VAC/DC	Temp. controller, PROplus, 1/4 DIN, (96 x 96)mm,2 x OUT option,2 x Aux OUT,1 x HT Burnout SSR fail.,2 Event I/Ps,option unit,Terminal cov.,24V AC/DC	472.30	4547648451901
246762	E5AN-HPRR2BM-500 100-240 VAC	Temp. controller, PROplus, 1/4 DIN, (96 x 96)mm,Pos. Prop. Control,2 x Aux OUT,2 Event I/Ps,option unit,Terminal cov.,100-240V AC	497.10	4547648451888
246794	E5CN-HC2M-500 100-240 VAC	Temp. controller, PROplus,1/16 DIN, (48 x 48)mm,1 x Current OUT,2 x Aux OUT,option unit,100-240V AC	361.90	4547648452724
246774	E5CN-HC2MD-500 24VAC/DC	Temp. controller, PROplus,1/16 DIN, (48 x 48)mm,1 x Current OUT,2 x Aux OUT,option unit,24V AC/DC	391.20	4547648452762
246793	E5CN-HQ2M-500 100-240 VAC	Temp. controller, PROplus,1/16 DIN, (48 x 48)mm,1 x Pulsed voltage OUT,2 x Aux OUT,option unit,100-240V AC	314.60	4547648452717
246773	E5CN-HQ2MD-500 24VAC/DC	Temp. controller, PROplus,1/16 DIN, (48 x 48)mm,1 x Pulsed voltage OUT,2 x Aux OUT,option unit,24V AC/DC	314.60	4547648452755
246792	E5CN-HR2M-500 100-240 VAC	Temp. controller, PROplus,1/16 DIN, (48 x 48)mm,1 x Relay Out,2 x Aux OUT,option unit,100-240V AC	314.90	4547648452700
246795	E5CN-HR2MD-500 24VAC/DC	Temp. controller, PROplus,1/16 DIN, (48 x 48)mm,1 x Relay Out,2 x Aux OUT,option unit,24V AC/DC	316.30	4547648452748
352173	E5CN-HTQ2M-500 100-240 VAC	Temp. controller, PROplus, Ramp/Soak temperature controller, 1/16DIN (48x48mm), universal input (TC, RTD, Linear), SSR driver (12 VDC) output, 100-240 VAC	319.80	4548583000520
352172	E5CN-HTR2M-500 100-240 VAC	Temp. controller, PROplus, Ramp/Soak temperature controller, 1/16DIN (48 x 48 mm), universal input (TC, RTD, Linear), relay output, 100 to 240 VAC	341.80	4548583000513
246772	E5CN-HV2M-500 100-240 VAC	Temp. controller, PROplus,1/16 DIN, (48 x 48)mm,1 x Linear Voltg. OUT,2 x Aux OUT,option unit,100-240V AC	391.20	4547648452731
246775	E5CN-HV2MD-500 24VAC/DC	Temp. controller, PROplus,1/16 DIN, (48 x 48)mm,1 x Linear Voltg. OUT,2 x Aux OUT,option unit,24V AC/DC	391.20	4547648452779
246796	E5EN-HAA2HBM-500 100-240 VAC	Temp. controller, PROplus, ,1/4 DIN, (48 x 96)mm,2 x OUT option,2 x Aux OUT,1 x HT Burnout SSR fail.,2 Event I/Ps,option unit,100-240V AC	502.00	4547648453424
246782	E5EN-HAA2HBMD-500 24VAC/DC	Temp. controller, PROplus, ,1/4 DIN, (48 x 96)mm,2 x OUT option,2 x Aux OUT,1 x HT Burnout SSR fail.,2 Event I/Ps,option unit,24V AC/DC	514.00	4547648453509
246777	E5EN-HAA2HBFM-500 100-240 VAC	Temp. controller, PROplus, ,1/4 DIN, (48 x 96)mm,2 x OUT option,2 x Aux OUT,HT Burnout SSR Fail./3Phs.,Event I/P & Transf. OUT,option unit,100-240V AC	558.50	4547648453448
246781	E5EN-HPRR2BFM-500 100-240 VAC	Temp. controller, PROplus, ,1/4 DIN, (48 x 96)mm,Pos. Prop. Control,2 x Aux OUT,Event I/P & Transf. OUT,option unit,100-240V AC	565.00	4547648453493
246797	E5EN-HPRR2BM-500 100-240 VAC	Temp. controller, PROplus, ,1/4 DIN, (48 x 96)mm,Pos. Prop. Control,2 x Aux OUT,2 Event I/Ps,option unit,100-240V AC	544.50	4547648453486
246788	E5EN-HPRR2BMD-500 24VAC/DC	Temp. controller, PROplus, ,1/4 DIN, (48 x 96)mm,Pos. Prop. Control,2 x Aux OUT,2 Event I/Ps,option unit,24V AC/DC	558.00	4547648453561



**CelciuX<sup>o</sup> - Multi-Loop temperature control - Control and Connectivity**



CelciuX<sup>o</sup> is designed to offer easy program-less communication with Omron and third-party PLCs and HMI. Above all, CelciuX<sup>o</sup> (EJ1) incorporates all “simple to use” clever temperature control technology, like 2-PID, disturbance control and various ways of tuning.

- Interfaces to a wide range of industrial networks
- Reduced engineering due to Programm-less communications, Smart Active Parts and Function Block Libraries
- Available with screw terminals and screw-less clamp terminals
- One unit handling various types of input, such as Pt, Thermocouple, mA, and V input

Short item number	Order code	Description	Price EUR	GTIN
225933	EJ1C-EDUA-NFLK	CelciuX <sup>o</sup> In-panel temperature controller end unit, connects up to 16 x basic & high function units, 24 VDC supply, 1 x RS-485 port (115kbps, CompoWay/F, MODBUS RTU), 1 x programming port, M3 screw terminals	123.70	4547648235457
243921	EJ1C-EDUC-NFLK	CelciuX <sup>o</sup> In-panel temperature controller end unit, connects up to 16 x basic & high function units, 24 VDC supply, 1 x RS-485 port (115kbps, CompoWay/F, MODBUS RTU), 1 x programming port, removable screw connector blocks	111.00	4547648510844
225935	EJ1N-TC2A-QNHB	CelciuX <sup>o</sup> In-panel temperature controller basic unit, DIN rail mounting, 2 loops, thermocouple/ Pt100/analog input, 2 x 12 VDC plus 2 x 30 VDC, 0.1 A NPN outputs, heat, cool, heat/cool, heater burnout alarm, M3 screw terminals	483.20	4547648235310
225934	EJ1N-TC4A-QQ	CelciuX <sup>o</sup> In-panel temperature controller basic unit, DIN rail mounting, 4 loops, thermocouple/ Pt100/analog input, 4 x 12 VDC outputs, heat, cool, heat/cool, M3 screw terminals	564.50	4547648235297
225930	EJ1N-TC4B-QQ	CelciuX <sup>o</sup> In-panel temperature controller basic unit, DIN rail mounting, 4 loops, thermocouple/ Pt100/analog input, 4 x 12 VDC outputs, heat, cool, heat/cool, screwless clamp terminals	564.50	4547648235303

**E52-EL**

**Temperature sensors**

**Temperature sensors for basic applications**

The E52-EL Lite Line provides best price/performance for basic applications. These models include the most popular housing and connection types.

- Best value for the money based on design and accuracy
- Wide range covering the most popular housing and connection models



Short item number	Order code	Description	Price EUR	GTIN
374422	E52-ELP4-50-2-A	Temperature sensor, Pro, smooth tube, PT100, class B, dia. 4, 50, AISI 316, pre-wired with open cable ends 2 m	29.14	4547648954815
374644	E52-ELP5-100-2-A	Temperature sensor, Lite, smooth tube, PT100, class B, dia 5, 100 mm, 304SS, pre-wired with cable end shoes 2 m	22.94	4547648955591
374643	E52-ELP5-50-2-A	Temperature sensor, Lite, smooth tube, PT100, class B, dia 5, 50mm, 304SS, pre-wired with cable end shoes 2m	22.61	4547648955584
374423	E52-ELP6-100-2-A	Temperature sensor, Pro, smooth tube, PT100, class B, dia. 6, 100, SUS 304, pre-wired with open cable ends 2 m	27.99	4547648954822
374645	E52-ELP6-50-2-A	Temperature sensor, Lite, smooth tube, PT100, 0 .. +400°C, class B, dia. 6, 50 mm, 304SS, pre-wired with TTS cable end shoes 2 m	27.99	4547648955607
374412	E52-ELTJ6-100-2-A	Temperature sensor, Lite, smooth tube, Thermocouple, J, dia. 6, 100 mm, 304SS, pre-wired with cable end shoes 2 m	17.40	4547648954716



### Temperature sensors for standard applications

E52-E temperature sensors and thermocouples provide accurate temperature sensing for standard and challenging environments and include a wide range of mounting and connection options. For best control results, the E52-E series is optimized to operate perfectly with suitable E5\_ temperature controllers.

- Thermocouples and PT100 elements
- Wide range of housing, mounting and connection options
- Best performance match with temperature controllers from the E5\_ portfolio



Short item number	Order code	Description	Price EUR	GTIN
368861	E52-CA1DY M6 1M	Temp. sensor, M6 type, Thermocouple K, 0-400 deg., SUS304, pre-wired, 1m	36.18	4548583099791
368862	E52-CA1DY M6 2M	Temp. sensor, M6 type, Thermocouple K, 0-400 deg., SUS304, pre-wired, 2m	33.60	4548583099807
368846	E52-CA35AY D=1.6 2M	Temp. sensor, Smooth tube, Thermocouple K, 0-650 deg., dia. 1.6, 350mm, ASTM316L, pre-wired, 2m	79.15	4548583098688
374374	E52-EACC-KF1-B	Temp. sensor accessory, compensation connector, female, K, thermoplastic	10.03	4547648954334
374373	E52-EACC-KM1-B	Temp. sensor accessory, compensation connector, male, K, thermoplastic	11.65	4547648954327
374342	E52-EP3-250-2-B	Temperature sensor, Pro, smooth tube, PT100, class B, dia 3mm, 250mm, AISI 316, pre-wired with open cable ends 2m	81.50	4547648954013
374350	E52-EP6-100-2-B	Temperature sensor, Pro, smooth tube, PT100, class B, dia 6, 100mm, AISI 316, pre-wired with open cable ends 2m	33.54	4547648954099
374352	E52-EP6-35-2-BG1/4G-B	Temperature sensor, Pro, bajonet mounting, PT100, class B, dia 6, 35mm, AISI 316, pre-wired with open cable ends 2m	50.60	4547648954112
374348	E52-ETJS1-B	Temperature sensor, Pro Plus, Surface temp, Thermocouple, J, dia 10, dia 4mm screw hole, Cu-Stg, pre-wired with open cable ends	20.30	4547648954075
375791	E52-P20C-N D=8	Temp. Sensor, Enclosed terminals, Pt100 class B, -200-450deg., dia. 3.2mm, 200mm, SUS 304	209.90	4548583324510

### E51B

### Auxiliaries

#### Achieve low-cost measurements with an infrared thermosensor

This infrared thermosensor provides an accurate, stable and cost-effective way to measure the temperature of objects. It behaves just like a standard K-type thermocouple, which enables it to operate with any temperature controller or alarm unit.

- Cost-effective infrared thermosensor
- Contactless, meaning no deterioration, unlike thermocouples
- 4 temperature ranges available: 10-70°C, 60-120°C, 115-165°C and 140-260°C
- Response speed 300 ms



Short item number	Order code	Description	Price EUR	GTIN
171655	E51B 10-70C	Infrared Thermosensor 10 to 70°C	355.00	4547648047654
171656	E51B 60-120C	Infrared Thermosensor 60 to 120°C	358.40	4547648047661



**Achieve superior environmental resistance and a wide measurement range of 0 to 400°C**

This infrared thermosensor provides a fast, accurate and very stable way to measure the temperature of objects. Its output provides a universal 4-20 mA signal, which enables it to operate with many temperature controllers or PLCs.

- Flexible placement with slim cylindrical shape and long focus with a distance of 500 mm and area diameter of 80 mm.
- The SUS body and silicon lens resist ambient operating temperatures of up to 70°C and resist dust and water to the equivalent of IP67.
- Fast measurement with high-speed response of 100 ms/90%.
- Strong resistance to noise with output of 4 to 20 mA.

Short item number	Order code	Description	Price EUR	GTIN
267944	ES1C-A40	Temperature sensor, non-contact infrared, M18, 0-400°C	690.00	4547648644242



**Connect Modbus slaves to ETHERNET**

The EJ1N-HFU-ETN provides the solution to connect a CelciuX<sup>®</sup> (EJ1) in-panel multi-loop PID controller to PROFINET and Modbus/TCP. Although built on the CelciuX<sup>®</sup> (EJ1) platform, this unit can be used as a gateway for discrete Modbus units when only using the EJ1N-EDU endplate.

- Connects Modbus serial slaves to PROFINET and Modbus/TCP.
- Built for integration into the CelciuX<sup>®</sup> (EJ1).
- Usable as a gateway for discrete units like E5\_N-series temperature controllers and MX2 inverters.
- Flexible implementation with standard .gsd file.
- Ethernet/IP gateway just for EJ1N-TC2 cards: up to 24 EJ1N-TC2 connectable (48 loops in total).

Short item number	Order code	Description	Price EUR	GTIN
355917	EJ1N-HFU-ETN	Ethernet to Serial Gateway, Connect PROFINET or Modbus/TCP master to any Modbus-RTU slave (special support for CelciuX(EJ1), E5_N and MX2)	570.50	4548583072527



### Omron's intelligent PROFIBUS and CompoWay/F gateway

This gateway supports all CompoWay/F equipped products, including temperature controllers, digital panel indicators, etc. It can also be used for connecting MCW151-E and E5\_K series.

- Cost-effectively integrates basic instruments into a PROFIBUS network
- Requires no complex protocol conversion writing
- Has function blocks for drag-and-drop configuration
- Connects up to 15 instruments to a single PROFIBUS point

Short item number	Order code	Description	Price EUR	GTIN
180927	PRT1-SCU11	Gateway unit, converts PROFIBUS DP to Host Link/Compoway-F	652.50	4547648089951

### Additional temperature controllers

### Additional temperature controllers

Short item number	Order code	Description	Price EUR	GTIN
129693	E53-AKB	option unit for E5AK/EK/EN, event input, 2 points	86.55	4536853362850
129680	E53-C3	Output unit for E5A/E J/K, linear 4-20mA, 600 Ohm, 12-bit	79.05	4536853362560
246554	E53-C3N	Output unit for E5A/EN-H, 4-20 mA linear output	70.65	4547648476881
243821	E53-CN01N2	E5CN-H option board- RS-232C communications, **only compatible with new E5CN-H models**	63.15	4547648463607
243809	E53-CN03N2	E5CN-H option board- RS-485 communications, **only compatible with new E5CN-H models**	62.90	4547648463485
243819	E53-CNBNF2	E5CN-H plug-in option card, event input & transfer output	152.70	4547648463584
243808	E53-CNBN2	E5CN-H option board- Event inputs, **only compatible with new E5CN-H models**	29.90	4547648463478
243806	E53-CNHB2	E5CN-H option board- heater burnout/SSR failure detection and event inputs, **only compatible with new E5CN-H models**	52.20	4547648463454
243805	E53-COV17	Terminal cover	5.60	4547648476072
353953	E53-COV19	E5CB Terminal cover	13.17	4547648841894
182424	E53-EN03	Communication unit for E5AK/EK/AN/EN, RS-485	89.45	4547648142410
105481	E53-Q	Output unit for E5A/E J/K/X, 40mA 12VDC, NPN	25.71	4536853362522
142183	E53-Q4	Output unit for E5A/E J/K, 20mA, 24VDC, PNP	22.70	4536853362553
246553	E53-QN	Output unit for E5A/EN-H, 12 VDC voltage output	25.25	4547648476874
129678	E53-R	Output unit for E5A/E J/K/X, SPST-NO, 5A relay	10.60	4536853362508
246558	E53-RN	Output unit for E5A/EN-H, relay output	11.08	4547648488488
148624	E53-V34	Output unit for E5A/E J/K, linear 0-10VDC, 12-bit	99.75	4536853362614
246556	E53-V34N	Output unit for E5A/EN-H, 0-10 V linear output	70.95	4547648476904
103241	E54-CT1	Current transformer for heater burnout detection (5.8mm dia)	29.26	4536853363079
176286	E58-CIFQ1	E5CN accessory, quick link programming cable for the E5_N and CelciuX (EJ1) range, allows direct connection without requirement for communications card. USB connection to PC/Laptop and special connector for controller, Includes USB driver	347.00	4547648103459
353471	E58-CIFQ2	E5CB & E5CC and E5EC* accessory, quick link programming cable, allows direct USB connection without requirement for communications card or power supply. Also the display will be powered (CX-Thermo v4.4 is needed). *For E5EC front connection.	306.90	4548583020627
356821	E58-CIFQ2-E	Quick link front adapter for E5EC	101.90	4548583097667
104661	Y92F-45	Panel adaptor, 48 x 48 device into 67 x 67 hole	37.11	4536854618567
372111	Y92F-52	DIN mounting adapter for E5CC	15.71	4548583318373



### Switch Mode Power Supply S8VK-X

EtherNet/IP, Modbus TCP-Compatible Maximizing System Availability Through the Connecting of Equipment to IoT

- Product replacement time, output voltage, output current, and more are acquired on the network and can be managed all at once Product status can be checked on-site using the indication monitor
- Operation possible at ambient temperatures from -40 to 70°C
- Power Boost function at 150% (240 and 480 W)
- Side-by-side mounting possible (up to 55°C)
- UL Class 2 conformance (90 W or less)
- Complies with EN/IEC 61558-2-16
- Coated PCBs for better resistance to environment

Short item number	Order code	Description	Price EUR	GTIN
680581	S8VK-X03005-EIP	Book type power supply, 30 W, 5 VDC, 5 A, DIN rail mounting, Push-in terminal, Coated, Ethernet IP / Modbus TCP compatibility	120.20	4549734172752
680586	S8VK-X06012-EIP	Book type power supply, 60 W, 12 VDC, 4.5 A, DIN rail mounting, Push-in terminal, Coated, Ethernet IP / Modbus TCP compatibility	125.80	4549734172769
680578	S8VK-X06024-EIP	Book type power supply, 60 W, 24 VDC, 2.5 A, DIN rail mounting, Push-in terminal, Coated, Ethernet IP / Modbus TCP compatibility	125.80	4549734172776
680584	S8VK-X09024A-EIP	Book type power supply, 90 W, 24 VDC, 3.75 A, DIN rail mounting, Push-in terminal, Coated, display, Ethernet IP / Modbus TCP compatibility	170.30	4549734172714
680585	S8VK-X12024A-EIP	Book type power supply, 120 W, 24 VDC, 5 A, DIN rail mounting, Push-in terminal, Coated, display, Ethernet IP / Modbus TCP compatibility	187.30	4549734172721
680579	S8VK-X12024-EIP	Book type power supply, 120 W, 24 VDC, 5 A, DIN rail mounting, Push-in terminal, Coated, Ethernet IP / Modbus TCP compatibility	158.90	4549734172790
680577	S8VK-X24024A-EIP	Book type power supply, 240 W, 24 VDC, 10 A, DIN rail mounting, Push-in terminal, Coated, display, Ethernet IP / Modbus TCP compatibility	269.40	4549734172738
680583	S8VK-X24024-EIP	Book type power supply, 240 W, 24 VDC, 10 A, DIN rail mounting, Push-in terminal, Coated, Ethernet IP / Modbus TCP compatibility	241.20	4549734172806
680580	S8VK-X48024A-EIP	Book type power supply, 480 W, 24 VDC, 20 A, DIN rail mounting, Push-in terminal, Coated, display, Ethernet IP / Modbus TCP compatibility	354.70	4549734172745
680576	S8VK-X48024-EIP	Book type power supply, 480 W, 24 VDC, 20 A, DIN rail mounting, Push-in terminal, Coated, Ethernet IP / Modbus TCP compatibility	326.50	4549734172813



### Switch mode power supply

A perfect fit for small control panels.

- Operation possible at ambient temperatures from -40 to 70°C
- DC input supported (90 to 350 VDC)
- Power boost function at 120% (60 W and 120 W)
- Power boost function at 150% (240 W and 480 W)
- Undervoltage alarm (240 W and 480 W)
- Side-by-side mounting possible (up to 55°C)
- Vibration resistance to 5G, and 300-VAC abnormal input voltage supported for 1 second.
- PCB coating protects against dust, corrosive gas and humidity.
- Certification for 3000m altitude
- RoHS compliant

Short item number	Order code	Description	Price EUR	GTIN
675333	S8VK-S03024	Book type power supply, 30 W, 24 VDC, 1.3A, DIN rail mounting, Push-in terminal, Coated	35.73	4549734134620
669508	S8VK-S06024	Book type power supply, 60 W, 24VDC, 2.5A, DIN rail mounting, Push-in terminal, Coated	41.86	4548583761117
669511	S8VK-S12024	Book type power supply, 120 W, 24VDC, 5A, DIN rail mounting, Push-in terminal, Coated	60.30	4548583761124
672485	S8VK-S24024	Book type power supply, 240 W, 24 VDC, 10 A, DIN rail mounting, Push-in terminal, Coated, undervoltage alarm	117.30	4548583761131
672486	S8VK-S48024	Book type power supply, 480 W, 24 VDC, 20 A, DIN rail mounting, Push-in terminal, Coated, undervoltage alarm	179.40	4548583761148



### The cost effective book type power supply

The S8VK-C Lite family is an ideal choice for cost-sensitive applications that require a dependable high-quality power supply. The family is available with power ratings from 60 W to 480 W.

- Operating temperature range of -25° to +60°C
- Double set of DC output terminals (three for the negative) provide easy wiring
- Universal input capability, 100 to 240 VAC and 90 to 350 VDC
- Conforms to EN61204-3, EN55011 Class A
- Improved DIN-rail mounting clip provides a better resistance to vibrations and allows easy installation (using one hand to mount in a flash)

Short item number	Order code	Description	Price EUR	GTIN
375666	S8VK-C06024	Book type power supply, Lite, 60 W, 24VDC, 2.5A, DIN rail mounting	24.97	4548583357907
375667	S8VK-C12024	Book type power supply, Lite, 120 W, 24VDC, 5A, DIN rail mounting	36.11	4548583357914
375668	S8VK-C24024	Book type power supply, Lite, 240 W, 24VDC, 10A, DIN rail mounting	64.70	4548583357921
375669	S8VK-C48024	Book type power supply, Lite, 480 W, 24VDC, 20A, DIN rail mounting	113.60	4548583357938



### The right power supply for your application

The S8VK-G offers a wide product range (from 15W up to 480W), in a very compact size. It is 13% smaller than comparable power supplies and the smallest on the market of its type.

- Wide operating temperature range (-40 to +70°C) to guarantee operation stability
- Double set of DC output terminals (three for the negative) to provide easy wiring
- High efficiency (90%) to reduce energy consumption
- Power Boost functionality (120%)
- Improved DIN-rail mounting clip to provide better vibration resistance and allow for easy installation

Short item number	Order code	Description	Price EUR	GTIN
374164	S8VK-G01505	Book type power supply, Pro, 15 W, 5VDC, 3A, DIN rail mounting	27.82	4548583357648
374165	S8VK-G01512	Book type power supply, Pro, 15 W, 12 VDC, 1.2A, DIN rail mounting	27.05	4548583357655
374166	S8VK-G01524	Book type power supply, Pro, 15 W, 24VDC, 0.65A, DIN rail mounting	27.87	4548583357662
374167	S8VK-G03005	Book type power supply, Pro, 30 W, 5VDC, 5A, DIN rail mounting	34.56	4548583357679
374168	S8VK-G03012	Book type power supply, Pro, 30 W, 12 VDC, 2.5A, DIN rail mounting	33.34	4548583357686
374169	S8VK-G03024	Book type power supply, Pro, 30 W, 24VDC, 1.3A, DIN rail mounting	33.34	4548583357693
374170	S8VK-G06012	Book type power supply, Pro, 60 W, 12 VDC, 4.5A, DIN rail mounting	38.86	4548583357709
374171	S8VK-G06024	Book type power supply, Pro, 60 W, 24VDC, 2.5A, DIN rail mounting	38.86	4548583357716
374869	S8VK-G12024	Book type power supply, Pro, 120 W, 24VDC, 5A, DIN rail mounting	58.95	4548583357723
374870	S8VK-G24024	Book type power supply, Pro, 240 W, 24VDC, 10A, DIN rail mounting	98.70	4548583357730
374871	S8VK-G24048	Book type power supply, Pro, 240 W, 48VDC, 5A, DIN rail mounting	98.70	4548583357747
374872	S8VK-G48024	Book type power supply, Pro, 480 W, 24VDC, 20A, DIN rail mounting	137.10	4548583357754
374873	S8VK-G48048	Book type power supply, Pro, 480 W, 48VDC, 10A, DIN rail mounting	137.10	4548583357761



### Power Supply with a display

The S8VS-A/B series are AC to DC Power supplies with a display of output voltage, output current, and peak hold current. The A type S8VS has a function to show the maintenance forecast time in operational years. This will contribute to the equipment maintenance and allow for replacement before the end of product life. The B type has a function of total run time monitor to allow the user to properly schedule equipment maintenance.

- Operating temperature range (-10 to +60°C)
- The 3 digit, 7 segment display
- The alarm output(Transistor:PNP, NPN)
- The screwless terminal type is available
- cULus, EN, RoHS compliant
- UL Class 2 output( 60W and 90W)

Short item number	Order code	Description	Price EUR	GTIN
324848	S8VS-01505	Power supply, plastic case, 22.5 mm wide DIN rail or direct panel mounting, 100/240 VAC supply, 10 W, 5 VDC, 2.0 A output	99.30	4547648711555
324268	S8VS-01512	Power supply, plastic case, 22.5 mm wide DIN rail or direct panel mounting, 100/240 VAC supply, 15 W, 12 VDC, 1.2 A output	99.30	4547648711562
307948	S8VS-01524	Power supply, plastic case, 22.5 mm wide DIN rail or direct panel mounting, 100/240 VAC supply, 15 W, 24 VDC, 0.65 A output	99.30	4547648711579
324849	S8VS-03005	Power supply, plastic case, 22.5 mm wide DIN rail or direct panel mounting, 100/240 VAC supply, 20 W, 5 VDC, 4 A output	125.40	4547648711586
323512	S8VS-03012	Power supply, plastic case, 22.5 mm wide DIN rail or direct panel mounting, 100/240 VAC supply, 30 W, 12 VDC, 2.5 A output	126.40	4547648711593
325147	S8VS-03024	Power supply, plastic case, 22.5 mm wide DIN rail or direct panel mounting, 100/240 VAC supply, 30 W, 24 VDC, 1.3 A output	126.40	4547648711609
247532	S8VS-06024	Power supply, 60 W, 100-240 VAC input, 24 VDC, 2.5 A output, DIN rail mounting, basic model	173.30	4547648419352
281057	S8VS-06024A	Power supply, 60 W, 100 to 240 VAC input, 24VDC 2.5A output, DIN rail mounting, digital display with running voltage and current, peak current, and maintenance monitor function	234.80	4547648639927
281059	S8VS-06024B	Power supply, 60 W, 100-240 VAC input, 24 VDC, 2.5 A output, DIN rail mounting, digital display with running voltage and current, peak current, and total run time function	188.50	4547648639941
247534	S8VS-09024	Power supply, 90W, 100-240 VAC input, 24 VDC 3.75A output, DIN rail mounting, basic model	226.70	4547648419369
281058	S8VS-09024A	Power supply, 90W, 100-240 VAC input, 24 VDC 3.75A output, DIN rail mounting, digital display with running voltage and current, peak current, and maintenance monitor function with settable alarm point	282.70	4547648639934
281069	S8VS-09024AP	Power supply, 90 W, 100 to 240 VAC input, 24 VDC 3.75A output, DIN rail mounting, digital display with running voltage and current, peak current, and maintenance monitor function with settable alarm point	267.00	4547648640046
247535	S8VS-12024	Power supply, 120 W, 100-240 VAC input, 24 VDC, 5 A output, DIN rail mounting, basic model	272.10	4547648419376
281061	S8VS-12024A	Power supply, 120 W, 100 to 240 VAC input, 24VDC 5A output, DIN rail mounting, digital display with running voltage and current, peak current, and maintenance monitor function with settable alarm point	340.50	4547648639965
281071	S8VS-12024AP	Power supply, 240 W, 100-240 VAC input, 24 VDC, 5 A output, DIN rail mounting, digital display with running voltage and current, peak current, and forecast monitoring function with settable alarm point	276.30	4547648640060
281062	S8VS-12024B	Power supply, 120 W, 100 to 240 VAC input, 24 VDC 5A output, DIN rail mounting, digital display with running voltage and current, peak current, and total run time function with settable alarm point	313.70	4547648639972
281072	S8VS-12024BP	Power supply, 240 W, 100-240 VAC input, 24 VDC, 5 A output, DIN rail mounting, digital display with running voltage and current, peak current, and total run time function with settable alarm point	306.80	4547648640077
247536	S8VS-18024	Power supply, 180W, 100-240 VAC input, 24 VDC 7.5A output, DIN rail mounting, basic model	379.60	4547648419383
281065	S8VS-18024A	Power supply, 180W, 100-240 VAC input, 24 VDC 7.5A output, DIN rail mounting, digital display with running voltage and current, peak current, and maintenance monitor function with settable alarm point	448.00	4547648640008
281073	S8VS-18024AP	Power supply, 180W, 100-240VAC input, 24VDC 7.5A output, DIN rail mounting, digital display with running voltage and current, peak current, and maintenance monitor function with settable alarm point	481.10	4547648640084
247537	S8VS-24024	Power supply, 240 W, 100-240 VAC input, 24 VDC, 10 A output, DIN rail mounting, basic model	472.10	4547648419390
281063	S8VS-24024A	Power supply, 240W, 100/240 VAC input, 24VDC 10A output, DIN rail mounting, digital display with running voltage and current, peak current, and maintenance monitor function with settable alarm point	574.00	4547648639989
281067	S8VS-24024AP	Power supply, 240 W, 100-240 VAC input, 24 VDC, 10 A output, DIN rail mounting, digital display running voltage and current, peak current, and forecast monitoring function with settable alarm point	552.00	4547648640022
281064	S8VS-24024B	Power supply, 240 W, 100 to 240 VAC input, 24VDC 10 A output, DIN rail mounting, digital display with running voltage and current, peak current, and total run time function with settable alarm point	474.10	4547648639996
281068	S8VS-24024BP	Power supply, 240 W, 100-240 VAC input, 24 VDC, 10 A output, DIN rail mounting, digital display with running voltage and current, peak current, and total run time function with settable alarm point	481.10	4547648640039
333444	S8VS-48024A	Power supply, 480 W, 100 to 240 VAC input, 24 VDC, 20 A output, DIN rail mounting, digital display running voltage and current, peak current, and forecast monitoring function with settable alarm point	585.50	4547648711661
333445	S8VS-48024B	Power supply, 480 W, 100 to 240 VAC input, 24 VDC, 20 A output, DIN rail mounting, digital display with running voltage and current, peak current, and total run time function with settable alarm point	555.50	4547648711678





### Power Supply with the circuit protector function

The S8AS series are smart power supplies with digital circuit protectors in a single package. The output is divided to 6 or 8 channels and provides adjustable tripping current range for each channel at 0.1 A increments. It can save installation space in panel with less-wiring by the integration of the circuit protector functions.

- Operating temperature range (-10 to +60°C)
- The 3 digit, 7 segment display
- Signal outputs for Tripping function and the alarms
- Maintenance forecast
- Start-up & Shut down sequence
- External tripping input
- Communication terminal, RS-485
- cULus, EN, RoHS compliant
- UL Class 2 output

Short item number	Order code	Description	Price EUR	GTIN
356597	S8AS-24006	Power supply, 240W, 24VDC, 6 branch output	1,535.00	4547648711289



### High reliability at a reasonable price

The S8FS-C Lite family of metal framed power supplies is our best standard power supply for material cost reduction. S8FS-C has high reliability. The range covers up to 350 W and is available with 5, 12, 15, 24, 36 or 48 VDC output voltages.

- **Wide range in wattage (15, 25, 35, 50, 75, 100, 150, 200, 350 W) and DC-output voltage (5, 12, 15, 24, 36 or 48 VDC)**Wide input ranges: 100 to 120 VAC and 200 to 240 VACOverload, over-voltage and short circuit protectionEasy mounting to DIN-rail with mounting brackets (sold separately)Global standards: Conforms to CE (all models), approved for UL (all models) and CCC (15 to 150 W models)EMI EN 55011 Class B compliant (15 to 150 W models)

Short item number	Order code	Description	Price EUR	GTIN
668800	S8FS-C01505J	Power supply, 15 W, 100-240 VAC input, 5 VDC, 3 A output, Front terminal	10.92	4548583751286
668734	S8FS-C01512J	Power supply, 15 W, 100-240 VAC input, 12 VDC, 1.3 A output, Front terminal	10.92	4548583751293
668755	S8FS-C01524J	Power supply, 15 W, 100-240 VAC input, 24 VDC, 0.7 A output, Front terminal	10.92	4548583751316
668806	S8FS-C02505J	Power supply, 25 W, 100-240 VAC input, 5 VDC, 5 A output, Front terminal	12.64	4548583751330
668777	S8FS-C02512	Power supply, 25 W, 100-240 VAC input, 12 VDC, 2.1 A output, Upper terminal	12.46	4548583741522
668812	S8FS-C02512J	Power supply, 25 W, 100-240 VAC input, 12 VDC, 2.1 A output, Front terminal	12.46	4548583751347
668788	S8FS-C02515J	Power supply, 25 W, 100-240 VAC input, 15 VDC, 1.7 A output, Front terminal	12.54	4548583751354
668782	S8FS-C02524	Power supply, 25 W, 100 to 240 VAC input, 24 VDC, 1.1 A output, Upper terminal	12.46	4548583741546
668760	S8FS-C02524J	Power supply, 25 W, 100-240 VAC input, 24 VDC, 1.1 A output, Front terminal	12.46	4548583751361
668742	S8FS-C03505J	Power supply, 35 W, 100-240 VAC input, 5 VDC, 7 A output, Front terminal	13.40	4548583751385
668770	S8FS-C03512	Power supply, 35 W, 100-240 VAC input, 12 VDC, 3 A output, Upper terminal	13.40	4548583741560
668764	S8FS-C03512J	Power supply, 35 W, 100-240 VAC input, 12 VDC, 3 A output, Front terminal	13.40	4548583751392
668793	S8FS-C03524	Power supply, 35 W, 100 to 240 VAC input, 24 VDC, 1.5 A output, Upper terminal	13.40	4548583741584
668731	S8FS-C03524J	Power supply, 35 W, 100-240 VAC input, 24 VDC, 1.5 A output, Front terminal	13.40	4548583751415
668763	S8FS-C05005J	Power supply, 50 W, 100-240 VAC input, 5 VDC, 10 A output, Front terminal	14.96	4548583751439
668722	S8FS-C05012	Power supply, 50 W, 100-240 VAC input, 12 VDC, 4.2 A output, Upper terminal	14.96	4548583741607
668802	S8FS-C05012J	Power supply, 50 W, 100-240 VAC input, 12 VDC, 4.2 A output, Front terminal	14.96	4548583751446
668798	S8FS-C05024	Power supply, 50 W, 100-240 VAC input, 24 VDC, 2.2 A output, Upper terminal	14.96	4548583741621
668786	S8FS-C05024J	Power supply, 50 W, 100-240 VAC input, 24 VDC, 2.2 A output, Front terminal	14.96	4548583751460
668750	S8FS-C07512	Power supply, 75 W, 100 to 240 VAC input, 12 VDC, 6.2 A output, Upper terminal	18.70	4548583741652
668789	S8FS-C07512J	Power supply, 75 W, 100-240 VAC input, 12 VDC, 6.2 A output, Front terminal	18.70	4548583751491
668817	S8FS-C07524	Power supply, 75 W, 100 to 240 VAC input, 24 VDC, 3.2 A output, Upper terminal	17.13	4548583741676
668754	S8FS-C07524J	Power supply, 75 W, 100-240 VAC input, 24 VDC, 3.2 A output, Front terminal	17.13	4548583751514
668771	S8FS-C10012	Power supply, 100 W, 100-240 VAC input, 12 VDC, 8.5 A output, Upper terminal	20.24	4548583741706
668756	S8FS-C10012J	Power supply, 100 W, 100-240 VAC input, 12 VDC, 8.5 A output, Front terminal	20.24	4548583751545
668804	S8FS-C10024	Power supply, 100 W, 100-240 VAC input, 24 VDC, 4.5 A output, Upper terminal	20.24	4548583741720
668732	S8FS-C10024J	Power supply, 100 W, 100-240 VAC input, 24 VDC, 4.5 A output, Front terminal	20.24	4548583751569
668776	S8FS-C10036J	Power supply, 100 W, 100-240 VAC input, 36 VDC, 2.8 A output, Front terminal	20.24	4548583751576
668752	S8FS-C10048J	Power supply, 100 W, 100-240 VAC input, 48 VDC, 2.3 A output, Front terminal	20.24	4548583751583
668780	S8FS-C15012	Power supply, 150 W, 100-240 VAC input, 12 VDC, 12.5 A output, Upper terminal	23.35	4548583741768
668737	S8FS-C15012J	Power supply, 150 W, 100-240 VAC input, 12 VDC, 12.5 A output, Front terminal	23.35	4548583751613
668785	S8FS-C15024	Power supply, 150 W, 100 to 240 VAC input, 24 VDC, 6.5 A output, Upper terminal	23.35	4548583741782
668751	S8FS-C15024J	Power supply, 150 W, 100-240 VAC input, 24 VDC, 6.5 A output, Front terminal	23.35	4548583751637
668784	S8FS-C20012	Power supply, 200 W, 100 to 240 VAC input, 12 VDC, 17 A output, Upper terminal	34.24	4548583741829
668787	S8FS-C20012J	Power supply, 200 W, 100-240 VAC input, 12 VDC, 17 A output, Front terminal	34.24	4548583751675
668729	S8FS-C20024	Power supply, 200 W, 100 to 240 VAC input, 24 VDC, 8.8 A output, Upper terminal	34.24	4548583741836
668762	S8FS-C20024J	Power supply, 200 W, 100-240 VAC input, 24 VDC, 8.8 A output, Front terminal	34.24	4548583751682
668805	S8FS-C20048	Power supply, 200 W, 100-240 VAC input, 48 VDC, 4.43 A output, Upper terminal	34.24	4548583741850
668775	S8FS-C20048J	Power supply, 200 W, 100-240 VAC input, 48 VDC, 4.43 A output, Front terminal	34.24	4548583751705
668803	S8FS-C35012	Power supply, 350 W, 100-240 VAC input, 12 VDC, 29 A output, Upper terminal	49.82	4548583741874
668766	S8FS-C35012J	Power supply, 350 W, 100-240 VAC input, 12 VDC, 29 A output, Front terminal	49.82	4548583751729
668810	S8FS-C35024	Power supply, 350 W, 100-240 VAC input, 24 VDC, 14.6 A output, Upper terminal	49.82	4548583741881
668733	S8FS-C35024J	Power supply, 350 W, 100-240 VAC input, 24 VDC, 14.6 A output, Front terminal	49.82	4548583751736
668718	S8FS-C35048	Power supply, 350 W, 100 to 240 VAC input, 48 VDC, 7.32 A output, Upper terminal	49.82	4548583741904
668813	S8FS-C35048J	Power supply, 350 W, 100-240 VAC input, 48 VDC, 7.32 A output, Front terminal	49.82	4548583751750



### Superior basic performance that ensures reliability. Wide range of standards certification and greater usability.

- Superior basic performance that ensures reliability Ambient temperatures up to 70°C, greater resistance to rusting with aluminum/stainless steel case, and applications at altitudes up to 3,000 m.
- Certification for Global Standards North America: UL 508 (Listing), CSA C22.2
- Europe: Overvoltage category III (EN 50178)
- EMI: Class B (EN 61204-3)
- No need for control circuit transformers for which the Machinery Directive is specified. (IEC 61558-2-16)
- Greater usability - The terminal cover prevents screws from dropping out and the front cover prevents ingress of foreign matter.

Short item number	Order code	Description	Price EUR	GTIN
677969	S8FS-G05024CD	Power supply, 50 W, 100 to 240 VAC input, 24 VDC, 2.2 A output, DIN-rail mounting	59.90	4549734104593
677960	S8FS-G10012CD	Power supply, 100 W, 100 to 240 VAC input, 12 VDC, 8.5 A output, Din-rail mounting	78.70	4549734104654
677958	S8FS-G15012CD	Power Supply, 150 W, 100 to 240 VAC input, 12 VDC, 13 A output, DIN-rail mounting	97.30	4549734104791
677986	S8FS-G15024CD	Power Supply, 150 W, 100 to 240 VAC input, 24 VDC, 6.5 A output, DIN-rail mounting	97.30	4549734104838
677975	S8FS-G30024CD	Power Supply, 300 W, 100 to 240 VAC input, 24 VDC, 14 A output, DIN-rail mounting	178.70	4549734104975
675284	S8FS-G60024C	Power supply, 600 W, 100 to 240 VAC input, 24 VDC 27 A output	280.90	4549734105125



### EMI Class B and Power Factor Correction

The main improvements provided by the S8JX-P models are harmonic current suppression/PFC (Power Factor Correction) and EMI EN55011 Class B compliance. In addition, further functions have been implemented (applies only to 300 and 600 W models):

- Remote Sensing, to compensate for voltage drops on the load lines.
- Remote Control, using an external signal allows you to turn the output ON and OFF without removing the input voltage.
- Alarm output, informing you about power supply errors, such as fan failure or insufficient voltage

Short item number	Order code	Description	Price EUR	GTIN
364921	S8JX-P60024CD	Covered Power Supplies, PROplus, 100 to 240 VAC input voltage, 600W, 24V, 27A peak current, 31A (200VAC)	663.00	4548583103740



### Compact 3-phase input power supply

The 3 phase S8VK-T series adds to the compact Power Supply range (from 120W up to 960W), giving you the best footprint size. Just like the single phase type S8VK-G. It has the wide acceptable input range including 3-Phase input (3 x 340 to 576 VAC) 2-Phase input (2 X 340 to 576 VAC) and DC input excluding 960W (450 to 810 VDC)

- Wide operating temperature range (-40 to +70°C) to guarantee operation stability
- Double set of DC output terminals (three for the negative) to provide easy wiring
- High efficiency (90%) to reduce energy consumption
- Power Boost functionality (120%)
- High vibration resistance with Metal DIN-rail mounting clip.

Short item number	Order code	Description	Price EUR	GTIN
382729	S8VK-T12024	Book type power supply, Pro, 120 W, 24VDC, 5A, DIN rail mounting	72.25	4548583357983
659380	S8VK-T12024-400	Coated version, Book type power supply, Pro, 3-phase, 120 W, 24 VDC 5A, DIN rail mounting	83.25	4548583721234
382730	S8VK-T24024	Book type power supply, Pro, 240 W, 24VDC, 10A, DIN rail mounting	108.50	4548583357990
659384	S8VK-T24024-400	Coated version, Book type power supply, Pro, 3-phase, 240 W, 24 VDC 10 A, DIN rail mounting	107.40	4548583564589
386429	S8VK-T48024	Book type power supply, Pro, 480 W, 24VDC, 20A, DIN rail mounting	200.50	4548583358003
659385	S8VK-T48024-400	Coated version, Book type power supply, Pro, Three-phase, 480 W, 24 VDC, 20 A, DIN rail mounting	228.90	4548583564596
386430	S8VK-T96024	Book type power supply, Pro, 960 W, 24VDC, 40A, DIN rail mounting	270.20	4548583358010
659379	S8VK-T96024-400	Coated version, Book type power supply, Pro, 3-phase, 960 W, 24 VDC 40 A, DIN rail mounting	300.70	4548583564602

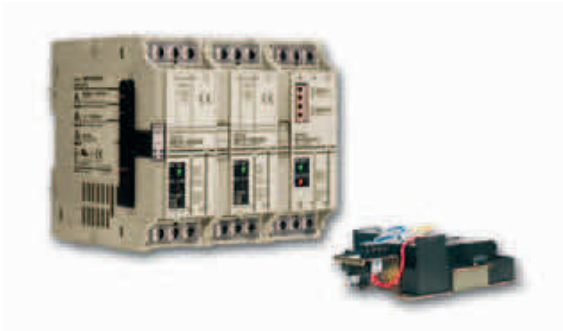


### The right redundancy unit for your back-up applications.

When the S8VK-R is used with switching power supplies, it provides a backup system for critical applications that require absolute reliability and zero downtime.

- Redundancy operating LED for status confirmation
- Signal output for failure detection of power supplies
- Operation temperature range: -40 to 70°C
- Double your operational lifetime by adjusting the power supply voltage to light-up the Balance LED
- Power Boost function is possible when used with S8VK-G series power supplies

Short item number	Order code	Description	Price EUR	GTIN
377513	S8VK-R10	Redundancy module for S8VK (input 5-30VDC, output 10A)	37.97	4548583425613
377514	S8VK-R20	Redundancy module for S8VK (input 10-60VDC, output 20A)	57.10	4548583425620



### Battery charger unit

The S8T-DCBU-01 battery backup block supplies 24 VDC for a fixed period of time during AC input outages to considerably improve system reliability.

- Supplies 24 VDC for a long period of time during AC input outages
- For system reliability improvement
- Block power supply basic block is connected by the bus line connector
- Simple system configuration
- Alarms indicated on main unit and via alarm signal output

Short item number	Order code	Description	Price EUR	GTIN
307944	S8T-DCBU-01	DC backup block for S8TS PSU	285.00	4547648711395



### Short time Buffer unit

Prevents equipment stoppage, data loss and other problems resulting from momentary power failures. One S8T-DCBU-02 buffer block provides a back-up time of 500 ms at an output current of 2.5 A. Can be wired to the 24 VDC output from any switch mode power supply.

- Connects to all Omron power supplies: S8TS, S8VS, S82J, S82K, S8VM, S8PE
- Connects to both single-phase and three-phase power supplies
- Connects to an S8TS power supply via an S8T-BUS03 bus line connector
- Parallel connection up to 4 units to increase back-up time and capacity
- Complies with Semi F47-0200 standard

Short item number	Order code	Description	Price EUR	GTIN
324267	S8T-DCBU-02	DC backup block for S8TS PSU of 500 ms at an output current of 2.5A	197.80	4547648711401



### Multi circuit protector

The S8M turns your machine directly into UL Class 2 compliant, maximum tripping current is 3,8A per channel (adjustable). This unit controls up to 4 circuits. On top of this you will get startup / shutdown –sequence control, display and alarm functions, like voltage, output current, runtime, and over temperature and external reset. These functions can be set by using the front buttons or with the free support tool software. These settings can be protected.

- 4 circuit protection up-to 4A per channel
- UL Class 2 (max. 3.8A)
- Emergency stop by external signal
- Optimize use of available power through Start-up sequence
- Maintenance Control

Short item number	Order code	Description	Price EUR	GTIN
324847	S8M-CP04	Multi circuit protector, up to 16 A, 4x4.0 A per circuit, ideal for branching, requires power supply	297.10	4547648711371
323509	S8M-CP04-RS	Multi circuit protector, up to 16 A, 4x3.8 A per circuit (UL class 2 compliant), RS-232C communications, ideal for branching, requires power supply	427.40	4547648711364

### S8V-NF

### Noise filter



### Noise Filter S8V-NF

DIN Rail Mounting Type Ideal for Control Panels Featuring a Slim Design that Saves Space Push-In Connections for Safe and Easy Wiring

- 150 kHz to 1 MHz high attenuation
- Operation possible at ambient temperatures from -40 to 85°C
- Complies with RoHS directives
- Certification for 3,000 m altitude (UL/EN 60939)

Short item number	Order code	Description	Price EUR	GTIN
680674	S8V-NFS203	Noise filter accessory power supply, 250 VAC/DC rated voltage, 3 A rated current, DIN-rail mounting, Push-in terminal	31.55	4549734175876
680575	S8V-NFS206	Noise filter accessory power supply, 250 VAC/DC rated voltage, 6 A rated current, DIN-rail mounting, Push-in terminal	33.09	4549734172707

### Additional power supplies

### Additional power supplies

Short item number	Order code	Description	Price EUR	GTIN
149574	S82S-7705	Power supply, 7.5 W, 12 to 24 VDC input, 5 VDC 1.5A output, DIN rail mounting	117.30	4536854104688

Short item number	Order code	Description	Price EUR	GTIN
668799	S82Y-FSC015DIN	Mounting bracket, DIN-rail, 15W	2.98	4548583758049
668794	S82Y-FSC025DIN	Mounting bracket, DIN-rail, 25W	2.98	4548583758056
668735	S82Y-FSC035DIN-S	Mounting bracket, bottom mounting to DIN-rail, 35 W	2.98	4548583758117
668745	S82Y-FSC050DIN	Mounting bracket, DIN-rail, 35W, 50W	2.98	4548583758063
668768	S82Y-FSC150DIN	Mounting bracket, DIN-rail, 75W, 100W, 150W	2.98	4548583758070
668791	S82Y-FSC350DIN	Mounting bracket, DIN-rail, 75W, 200W, 350W	2.98	4548583758087
668720	S82Y-FSC-C7F	Terminal Cover for front terminal, 100 W, 150 W	1.06	4548583758216
377521	S82Y-VK10F	Front-mounting bracket for S8VK (120, 240 and 480 W models)	9.19	4548583415911





## Compact DC-DC UPS with DIN-rail prevents voltage drop and power failure in industrial PCs (IPC)/controllers

System reliability greatly improved because 24VDC power supply is backed up for a certain period of time in the event of voltage drop or power failure.

- Compactness, weight reduction, and long battery life realized thanks to the adoption of a lithium-ion battery.
- Push-in terminal block adopted for the power input and output I/F.
- Shutdown in conjunction with the industrial purpose computer (IPC) or controller realized by the USB/RS-232C/I/O port installed in the UPS.
- Two types of batteries are selectable for the 480W, allowing the ideal backup time to be realized.
- A wide lineup culminating in the 960W makes it possible to provide long-lasting backup for every type of industrial controller.

Short item number	Order code	Description	Price EUR	GTIN
668093	S8BA-24D24D120LF	UPS, DIN rail type, DC-DC, 5A, 120W	793.00	4547648846608
668092	S8BA-24D24D240LF	UPS, DIN rail type, DC-DC, 10A, 240W	898.50	4547648846615
668096	S8BA-24D24D360LF	UPS, DIN rail type, DC-DC, 15A, 360W	1,105.00	4547648846622
668091	S8BA-24D24D480LF	UPS, DIN rail type, DC-DC, 20A, 480W	1,290.00	4547648846639

Short item number	Order code	Description	Price EUR	GTIN
678555	BP150XSG	Replacement battery pack for BU3002SWG	370.30	4547648849777
671160	S8BA-B120L	Replacement battery pack for S8BA	475.10	4547648846646
668097	S8BW-C01	UPS Connection cable (RS232C)	56.50	4547648846653
668098	S8BW-C02	UPS Connection cable (CONTACT)	56.50	4547648846660



## Compact DC-DC UPS with DIN-rail prevents voltage drop and power failure in industrial PCs (IPC)/controllers

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- Two types of batteries are selectable for the 480W, allowing the ideal backup time to be realized.
- A wide lineup culminating in the 960W makes it possible to provide long-lasting backup for every type of industrial controller.

Short item number	Order code	Description	Price EUR	GTIN
683502	S8BA-24D24D480SBF	UPS, DIN rail type, Separated battery type, DC-DC, 20 A, 480 W	276.10	4548583941724
683500	S8BA-24D24D960SBF	UPS, DIN rail type, Separated battery type, DC-DC, 40 A, 960 W	392.70	4548583941731
683501	S8BA-S480L	UPS, DIN rail type, Battery unit for S8BA (Separated battery type), 3.9 Ah	549.50	4548583941748
683499	S8BA-S960L	UPS, DIN rail type, Battery unit for S8BA (Separated battery type), 7.8 Ah	848.50	4548583941755



**Multiple mounting online AC-AC type UPS, useful in a variety of applications**

- Online power supply method: Continuous power supply against instantaneous voltage drop or power interruptions.
- Easy LCD operation without PC & multiple mounting methods.
- Multiple connections, input/output terminal block and RS232-C, I/O for external communication, plus external remote ON/OFF signal.
- Hot-swappable batteries: Ensures clean, uninterrupted power to protect equipment during battery replacement.

Short item number	Order code	Description	Price EUR	GTIN
671158	BUB2002RW	Replacement battery pack for BU2002RWLG	1,335.00	4547648845397
671159	BUB3002RW	Replacement battery pack for BU3002RWLG/BU5002RWL	1,621.00	4547648845403



**Multiple mounting, High Power, Online UPS**

- Online power supply method: continuous power supply against instantaneous voltage drop or power interruptions
- 7seg Operational Panel is easy to operate
- Variety of Communication I/F(USB/RS232C/I/O signal/Ethernet. (Has to be used with optional Ethernet card "SC20G2")
- Pre-installed Input/Output Terminal block & external Remote ON/OFF Signal for FA customer
- Hot-swappable batteries

Short item number	Order code	Description	Price EUR	GTIN
678554	BP100XSG	Replacement battery pack for BU1002SWG	395.50	4547648849760



### DIN 17.5-mm-wide slim timers with Push-in plus Technology for in-panel applications

- Helps save space and reduces work in control panels
- Slim timers (17.5-mm width) with two sets of contacts: One of the slimmest timers worldwide
- Reduces power consumption (active power) by up to 60% to help reduce heat generation in control panels
- Certified for maritime standards (LR/DNV GL)
- RoHS compliant

Short item number	Order code	Description	Price EUR	GTIN
669477	H3DT-A1 24-240VAC/DC	Timer, DIN rail mounting, 17.5mm, On-delay, 0.1s-1200h, 1 x SPDT, 5 A, 24-240 VAC/DC, Push-in terminal	36.75	4548583773356
669509	H3DT-A2 24-240VAC/DC	Timer, DIN rail mounting, 17.5mm, On-delay, 0.1s-1200h, 2 x SPDT, 5 A, 24-240 VAC/DC, Push-in terminal	38.68	4548583773363
669468	H3DT-F 24-240VAC/DC	Timer, DIN rail mounting, 17.5mm, Twin, 1-120s, 1 x SPDT, 5 A, 24-240 VAC/DC, Push-in terminal	57.45	4548583773370
669479	H3DT-G 24-240VAC/DC	Timer, DIN rail mounting, 17.5mm, Star-delta-delay, 1-120s, 2 x SPDT, 5 A, 24-240 VAC/DC, Push-in terminal	57.45	4548583773387
669519	H3DT-L1 24-240VAC/DC	Timer, DIN rail mounting, 17.5mm, Extended Multifunction, 0.1s-1200h, 1 x SPDT, 5 A, 24-240 VAC/DC, Push-in terminal	43.89	4548583773349
669500	H3DT-L2 24-240VAC/DC	Timer, DIN rail mounting, 17.5mm, Extended Multifunction, 0.1s-1200h, 2 x SPDT, 5 A, 24-240 VAC/DC, Push-in terminal	45.67	4548583773332
669502	H3DT-N1 24-240VAC/DC	Timer, DIN rail mounting, 17.5mm, Multifunction, 0.1s-1200h, 1 x SPDT, 5 A, 24-240 VAC/DC, Push-in terminal	43.79	4548583773325
669448	H3DT-N2 24-240VAC/DC	Timer, DIN rail mounting, 17.5mm, Multifunction, 0.1s-1200h, 2 x SPDT, 5 A, 24-240 VAC/DC, Push-in terminal	45.56	4548583773318



### DIN-rail mounted, standard 17.5mm-width solid state timer range

This broad range of timers includes many functionalities and has a wide AC/DC power supply range. Models with screwless clamp connection available.

- 17.5mm width, modular 45mm
- DIN-rail mounting
- 24-48VDC and 24-230VAC
- 0.1 s to 120 h, 7 ranges

Short item number	Order code	Description	Price EUR	GTIN
670944	H3DS-AL AC/DC	Timer, DIN rail mounting, 17.5 mm, 24-230 VAC/24-48 VDC, on-delay, 0.1 s-120 h, SPDT, 5 A, 'Smart Dial' lockable settings, no-input available, A single operating mode, screw terminal type	38.04	4548583753006
670938	H3DS-ALC	Timer, DIN rail mounting, 17.5 mm, 24-230 VAC/24-48 VDC, on-delay, 0.1 s-120 h, SPDT, 5 A, lockable settings, screwless terminals, no-input available, A single operating mode	36.46	4548583752948
670935	H3DS-FL	Timer, DIN rail mounting, 17.5 mm, 24-230 VAC/24-48 VDC, twin on & off-delay, 0.1 s-12 h, SPDT, 5 A, lockable settings, screw terminal type	61.70	4548583752917
670937	H3DS-GL	Timer, DIN rail mounting, 17.5 mm, 24-230 VAC/24-48 VDC, star-delta-delay, 1-120 s, DPST-NO, 5 A, lockable settings, screw terminal type	61.70	4548583752931
670946	H3DS-ML AC/DC	Timer, DIN rail mounting, 17.5 mm, 24-230 VAC/24-48 VDC, multifunction, 0.1 s-120 h, SPDT, 5 A, 'Smart Dial' lockable settings	46.94	4548583753020
670941	H3DS-MLC	Timer, DIN rail mounting, 17.5 mm, 24-230 VAC/24-48 VDC, multifunction, 0.1 s-120 h, SPDT, 5 A, lockable settings, screwless terminals	43.49	4548583752962
670945	H3DS-SL AC/DC	Timer, DIN rail mounting, 17.5 mm, 24-230 VAC/24-48 VDC, on/flicker-on/interval/one-shot-delay, 0.1 s-120 h, SPDT, 5 A, 'Smart Dial' lockable settings	43.20	4548583753013
670936	H3DS-XL	Timer, DIN rail mounting, 17.5 mm, 24-230 VAC/VDC, on-delay, 0.1 s-120 h, SCR output 0.7 A, 2-wire in-line load connection, lockable settings	32.64	4548583752924

Short item number	Order code	Description	Price EUR	GTIN
235530	Y92S-38	Adjustment and locking tool for H3DS	11.60	4536854577819



### 22.5 mm wide – Industrial timers designed to easily fit into panel designs

The new H3DK series of solid state timers provides you with the quality of product you've come to expect from Omron. This elaborate range of timers provides a whole series of functionality to suit multiple requirements and applications, all in a compact, 22.5 mm wide DIN-rail housing.

- Finger-safe terminal block and captive screws according to EN 50274
- New 12VDC model available in all the subfamilies
- New Star-delta model with supply voltage up to 440Vac
- 24&48v integrated in the same model for the OFF-delay Timer
- Wider time range (Time setting 0.1s to 1.200h)
- Complete compatibility with H3DE series

Short item number	Order code	Description	Price EUR	GTIN
668599	H3DK-F 24-240VAC/DC	Timer, DIN rail mounting, 22.5mm, twin on & off-delay, 0.1s-12h, SPDT, 5 A, 24-240 VAC/D	59.05	4548583745001
668604	H3DK-G 24-240VAC/DC	Timer, DIN rail mounting, 22.5mm, star-delta-delay, 1-120s, DPDT, 5 A, 24-240 VAC/DC	59.05	4548583745018
352023	H3DK-GE 240-440VAC	Timer, DIN rail mounting, 22.5mm, star-delta-delay, 1-120s, DPDT, 5 A, 240-440 VAC	59.05	4548583002418
668624	H3DK-HBL 24-48VAC/DC	Timer, DIN rail mounting, 22.5mm, power off-delay, 1-120s, SPDT, 5 A, 24 VAC/DC	59.05	4548583745025
668618	H3DK-HBS 24-48VAC/DC	Timer, DIN rail mounting, 22.5mm, power off-delay, 0.1-12s, SPDT, 5 A, 24 VAC/DC	59.05	4548583745032
668644	H3DK-HDL AC200-240V	Timer, DIN rail mounting, 22.5mm, power off-delay, 1-120s, SPDT, 5 A, 200-230 VAC	59.05	4548583745063
668617	H3DK-HDS AC200-240V	Timer, DIN rail mounting, 22.5mm, power off-delay, 0.1-12s, SPDT, 5 A, 200-240 VAC	59.05	4548583745070
668642	H3DK-M1 24-240VAC/DC	Timer, DIN-rail mounting, multi range, multi mode timer, 8 modes incl. off-delay, 1 output relay, 24 to 240 VAC/DC	42.77	4548583744967
668610	H3DK-M1A DC12	Timer, DIN-rail mounting, multi range, multi mode timer, 8 modes incl. off-delay, 1 output relay, 12 VDC	42.77	4548583745087
668641	H3DK-M2 24-240VAC/DC	Timer, DIN-rail mounting, multi range, multi mode timer, 8 modes incl. off-delay, 2 output relays, 24 to 240 VAC/DC	42.77	4548583744974
668594	H3DK-M2A DC12	Timer, DIN-rail mounting, multi range, multi mode timer, 8 modes incl. off-delay, 2 output relays, 12 VDC	45.14	4548583745094
668605	H3DK-S1 24-240VAC/DC	Timer, DIN-rail mounting, multi range, multi mode timer, 4 modes, 1 output relay, 24 to 240 VAC/DC	29.63	4548583744981
668622	H3DK-S2 24-240VAC/DC	Timer, DIN-rail mounting, multi range, multi mode timer, 4 modes, 2 output relays, 24 to 240 VAC/DC	34.31	4548583744998



**Compact, Multi-function Timers with Plug-in socket**

- The Plug-in socket with Push-in plus technology, PYF-\_\_\_-PU is available for easy wiring.
- Easy replacement and reduces your maintenance time.
- Space saving by Slim design 21.5 mm width.
- Large transparent time setting knob facilitates time setting.

Short item number	Order code	Description	Price EUR	GTIN
671567	H3Y-2 AC200-230 30S	Timer, plug-in, 8-pin, on-delay, DPDT, 200-230 VAC Supply voltage, 30 Seconds, Surface/DIN-track mounting (with socket)	47.53	4548583753075
671620	H3Y-2 DC24 10S	Timer, plug-in, 8-pin, on-delay, DPDT, 24 VDC Supply voltage, 10 Seconds, Surface/DIN-track mounting (with socket)	42.53	4548583753587
671689	H3Y-2 DC24 5S	Timer, plug-in, 8-pin, on-delay, DPDT, 24 VDC Supply voltage, 5 Seconds, Surface/DIN-track mounting (with socket)	41.50	4548583753570
671675	H3Y-4 AC200-230 10S	Timer, plug-in, 14-pin, on-delay, 4PDT, 200-230 VAC Supply voltage, 10 Second, Surface/DIN-track mounting (with socket)	42.97	4548583754294
671716	H3YN-2 100-120VAC	Timer, plug-in, 8-pin, multifunction, 0.1 s-10 m short-time range model, DPDT, 100-120 VAC supply voltage	44.86	4548583755307
671573	H3YN-2 AC200-230	Timer, plug-in, 8-pin, multifunction, 0.1 s-10 m short-time range model, DPDT, 200-230 VAC supply voltage	45.90	4548583755291
671718	H3YN-2 AC24	Timer, plug-in, 8-pin, multifunction, 0.1 s-10 m short-time range model, DPDT, 24 VAC supply voltage	43.23	4548583755314
671626	H3YN-2 DC12	Timer, plug-in, 8-pin, multifunction, 0.1 s-10 m short-time range model, DPDT, 12 VDC supply voltage	42.03	4548583755369
671562	H3YN-2 DC24	Timer, plug-in, 8-pin, multifunction, 0.1 s-10 m short-time range model, DPDT, 24 VDC supply voltage	41.86	4548583755352
671683	H3YN-21 AC200-230	Timer, plug-in, 8-pin, multifunction, 0.1min to 10h long time range model, DPDT, 200-230 VAC supply voltage	54.20	4548583755376
671630	H3YN-21 AC24	Timer, plug-in, 8-pin, multifunction, 0.1min to 10h long time range model, DPDT, 24 VAC supply voltage	55.15	4548583755390
671651	H3YN-21 DC24	Timer, plug-in, 8-pin, multifunction, 0.1min to 10h long time range model, DPDT, 24 VDC supply voltage	48.65	4548583755437
669600	H3YN-21-B AC200-230	Timer, plug-in, 8-pin, multifunction, 0.1m-10h, DPDT, 5 A, 200-230 VAC Supply, Black, Top coil side	55.20	4548583780934
669602	H3YN-2-B 100-120VAC	Timer, plug-in, 8-pin, multifunction, 0.1s-10m, DPDT, 5 A, 100-120 VAC Supply, Black, Top coil side	53.40	4548583780842
669619	H3YN-2-B AC200-230	Timer, plug-in, 8-pin, multifunction, 0.1s-10m, DPDT, 5 A, 200-230 VAC Supply, Black, Top coil side	55.20	4548583780859
669606	H3YN-2-B AC24	Timer, plug-in, 8-pin, multifunction, 0.1s-10m, DPDT, 5 A, 24 VAC Supply, Black, Top coil side	50.95	4548583780866
669620	H3YN-2-B DC12	Timer, plug-in, 8-pin, multifunction, 0.1s-10m, DPDT, 5 A, 12 VDC Supply, Black, Top coil side	49.47	4548583780873
669626	H3YN-2-B DC24	Timer, plug-in, 8-pin, multifunction, 0.1s-10m, DPDT, 5 A, 24 VDC Supply, Black, Top coil side	49.29	4548583780880
671690	H3YN-4 100-120VAC	Timer, plug-in, 14-pin, multifunction, 0.1s to 10 min short time range model, 4PDT, 100-120 VAC supply voltage	49.07	4548583755468
671591	H3YN-4 AC200-230	Timer, plug-in, 14-pin, multifunction, 0.1s to 10 min short time range model, 4PDT, 200-230 VAC supply voltage	50.15	4548583755451
671644	H3YN-4 AC24	Timer, plug-in, 14-pin, multifunction, 0.1s to 10 min short time range model, 4PDT, 24 VAC supply voltage	47.42	4548583755475
671695	H3YN-4 DC24	Timer, plug-in, 14-pin, multifunction, 0.1s to 10 min short time range model, 4PDT, 24 VDC supply voltage	46.08	4548583755512
671595	H3YN-41 100-120VAC	Timer, plug-in, 14-pin, multifunction, 0.1m to 10h long time range model, 4PDT, 100-120 VAC supply voltage	49.07	4548583755543
671602	H3YN-41 AC200-230	Timer, plug-in, 14-pin, multifunction, 0.1m to 10h long time range model, 4PDT, 200-230 VAC supply voltage	54.05	4548583755536
669624	H3YN-4-B AC200-230	Timer, plug-in, 14-pin, multifunction, 0.1s-10m, 4PDT, 3 A, 200-230 VAC Supply, Black, Top coil side	59.30	4548583781016
669615	H3YN-4-B DC24	Timer, plug-in, 14-pin, multifunction, 0.1s-10m, 4PDT, 3 A, 24 VDC Supply, Black, Top coil side	53.10	4548583781047
Short item number	Order code	Description	Price EUR	GTIN
120086	Y92H-3	Clips for H3Y(N) timer & PYF socket	0.91	4536853521516





### Compact, Multi-function Timers with Plug-in socket

- The Plug-in socket with Push-in plus technology, P2RF-\_\_\_-PU is available for easy wiring.
- Easy replacement and reduces your maintenance time
- Space saving by Slim design 15.5 mm width.

Short item number	Order code	Description	Price EUR	GTIN
147546	H3RN-1 12VDC	Timer, plug-in, 5-pin, multifunction, 0.1s-10m, SPDT, 3 A, 12 VDC	45.56	4536853509699
145454	H3RN-1 24VAC	Timer, plug-in, 5-pin, multifunction, 0.1 s-10 m, SPDT, 3 A	47.76	4536853509712
120361	H3RN-1 24VDC	Timer, plug-in, 5-pin, multifunction, 0.1 s-10 m, SPDT, 3 A	45.93	4536853509705
148556	H3RN-11 24VDC	Timer, plug-in, 5-pin, multifunction, 0.1 m-10 h, SPDT, 3 A	45.88	4536853509736
669638	H3RN-1-B 24VDC	Timer, plug-in, 5-pin, multifunction, 0.1s-10m, SPDT, 3 A, 24 VDC Supply, Black, Top coil side	52.80	4548583782952
156331	H3RN-2 24VDC	Timer, plug-in, 8-pin, multifunction, 0.1 s-10 m, DPST-NO, 3 A	51.05	4536853509767



### DIN 48 x 48mm multi-functional timer series

This elaborate range of solid state timers provides you with a multi-functional timer, twin timer, star-delta timer and a power OFF-delay timer.

- 48 x 48mm front-panel/plug-in
- High-/low-voltage models (except -H and -G)
- 0.05 s to 300 h (except -H and -G)
- DPDT, 5A at 250VAC
- Transistor 100mA at 30VDC

Short item number	Order code	Description	Price EUR	GTIN
667919	H3CR-A 100-240VAC/100-125VDC	Timer, plug-in, 11-pin, DIN 48 x 48 mm, multifunction, 0.05 s-300 h, DPDT, 5 A, 100 to 240 VAC, 100-125VDC	53.55	4548583553262
667959	H3CR-A AC24-48/DC12-48	Timer, plug-in, 11-pin, DIN 48 x 48 mm, multifunction, 0.05 s-300 h, DPDT, 5 A, 24-48VAC, 12-48VDC	53.55	4548583553279
667944	H3CR-A8 100-240VAC/100-125VDC	Timer, plug-in, 8-pin, 1/16DIN (48 x 48 mm), on/flicker-on/flicker-off/interval/one-shot-delay, 0.05s-300h, DPDT, 5 A	52.30	4548583553316
667924	H3CR-A8 AC24-48/DC12-48	Timer, plug-in, 8-pin, 1/16DIN (48 x 48 mm), on/flicker-on/flicker-off/interval/one-shot-delay, 0.05s-300h, DPDT, 5 A	52.30	4548583553323
667916	H3CR-A8E 100-240VAC/100-125VDC	Timer, plug-in, 8-pin, 1/16DIN (48 x 48 mm), on/flicker-on/flicker-off/interval/one-shot-delay, 0.05s-300h, DPDT (inc. inst.), 5 A	65.25	4548583553330
667957	H3CR-A8E 24-48VAC/DC	Timer, plug-in, 8-pin, 1/16DIN (48 x 48 mm), on/flicker-on/flicker-off/interval/one-shot-delay, 0.05s-300h, DPDT (inc. inst.), 5 A	68.10	4548583553347
667943	H3CR-A8S AC24-48/DC12-48	Timer, plug-in, 8-pin, 1/16DIN (48 x 48 mm), on/flicker-on/flicker-off/interval/one-shot-delay, 0.05s-300h, transistor output, 5 A	55.15	4548583553354
667928	H3CR-AP 100-240VAC/100-125VDC	Timer, plug-in, 11-pin, 1/16DIN (48 x 48 mm), voltage input, multifunction, 0.05s-300h, DPDT, 5 A	63.35	4548583553286
667907	H3CR-AP AC24-48/DC12-48	Timer, plug-in, 11-pin, 1/16DIN (48 x 48 mm), voltage input, multifunction, 0.05s-300h, DPDT, 5 A	55.50	4548583553293
667962	H3CR-AS AC24-48/DC12-48	Timer, plug-in, 11-pin, 1/16DIN (48 x 48 mm), voltage input, multifunction, 0.05s-300h, Transistor output (NPN/PNP universal)	50.70	4548583553309
667935	H3CR-F 100-240VAC/100-125VDC	Timer, plug-in, 11-pin, 1/16DIN (48 x 48 mm), twin on & off-delay, flicker OFF start, 0.05s-300h, DPDT, 5A, 100 to 240 VAC, 100-125VDC	85.40	4548583552845
667910	H3CR-F AC24-48/DC12-48	Timer, plug-in, 11-pin, 1/16DIN (48 x 48 mm), twin on & off-delay, flicker OFF start, 0.05s-300h, DPDT, 5A, 24-48VAC, 12-48VDC	84.45	4548583552852
667955	H3CR-F8 100-240VAC/100-125VDC	Timer, plug-in, 8-pin, 1/16DIN (48 x 48 mm), twin on & off-delay, flicker OFF start, 0.05s-300h, DPDT, 5A, 100 to 240 VAC, 100-125VDC	83.50	4548583552807
667922	H3CR-F8 24-48VAC/12-48VDC	Timer, plug-in, 8-pin, 1/16DIN (48 x 48 mm), twin on & off-delay, flicker OFF start, 0.05s-300h, DPDT, 5A, 24-48VAC, 12-48VDC	83.50	4548583552814
667913	H3CR-F8N 100-240VAC/100-125VDC	Timer, plug-in, 8-pin, 1/16DIN (48 x 48 mm), twin on & off-delay, flicker ON start, 0.05s-300h, DPDT, 5 A, 100 to 240 VAC, 100-125VDC	83.20	4548583552821
667950	H3CR-F8N AC24-48/DC12-48	Timer, plug-in, 8-pin, 1/16DIN (48 x 48 mm), twin on & off-delay, flicker ON start, 0.05s-300h, DPDT, 5 A, 24-48VAC, 12-48VDC	58.35	4548583552838
667958	H3CR-G8EL AC200-240	Timer, plug-in, 8-pin, 1/16DIN (48 x 48 mm), star-delta-delay, 0.5-120s, SPST-NO instantaneous, SPST-NO time-limit, 5 A, 200-240 VAC	85.70	4548583552913
667923	H3CR-G8L AC200-240	Timer, plug-in, 8-pin, 1/16DIN (48 x 48 mm), star-delta-delay, 0.5-120s, DPST-NO, 5 A, 200-240 VAC	78.15	4548583552890
667931	H3CR-H8L 100-120VAC M	Timer, plug-in, 8-pin, 1/16DIN (48 x 48 mm), power off-delay, 0.05-12 m, DPDT, 5 A	93.25	4548583552968
667908	H3CR-H8L 200-240VAC M	Timer, plug-in, 8-pin, 1/16DIN (48 x 48 mm), power off-delay, 0.05-12 m, DPDT, 5 A	78.75	4548583552975
667921	H3CR-H8L 200-240VAC S	Timer, plug-in, 8-pin, 1/16DIN (48 x 48mm), power off-delay, 0.05-12s, DPDT, 5 A	78.75	4548583553026
667946	H3CR-H8L 24VAC/DC M	Timer, plug-in, 8-pin, 1/16DIN (48 x 48 mm), power off-delay, 0.05-12 m, DPDT, 5 A	81.35	4548583552982
667952	H3CR-H8L 24VAC/DC S	Timer, plug-in, 8-pin, 1/16DIN (48 x 48 mm), power off-delay, 0.05-12s, DPDT, 5 A	77.15	4548583553033
Short item number	Order code	Description	Price EUR	GTIN
120806	Y92P-48GL	Panel cover for H3CR-A* timer, light grey	4.66	4536853499099



### Large setting dial and moving pointers for easy operation and monitoring

The H3AM has an easy-to-read large setting dial with moving pointers, a wide time-setting range of 0.2 s to 60 h and a broad AC power supply range (100 to 240VAC). The programmable contact facilitates the building of a self-holding relay circuit as well as built-in instantaneous contact.

- Front 96 x 96 x D 85mm
- Front panel
- 100 to 240VAC
- 0.05 s to 60 h
- DPST, 5A at 250VAC

Short item number	Order code	Description	Price EUR	GTIN
120958	H3AM-NS-A-300 100-240VAC	Timer, panel mounting, on-delay, 0.5s-30h, DPDT (inc. inst.), 5 A, self-resetting	368.80	4536854353215
157639	H3AM-NS-B-300 100-240VAC	Timer, panel mounting, on-delay, 1s-60h, DPDT (inc. inst.), 5 A self-resetting	368.60	4536854353222



### The most complete digital standard timer on the market

H5CX offers you the most complete series of products on the market today. Based on extensive customer research, these new timers have been designed with added-value features that users both need and appreciate.

- H 48 x W 48 x D 59 to 78mm
- Three-colour display value, red, green or orange
- Models with Instantaneous Contact Outputs
- 0.001 s to 9999 h, 10 ranges
- Input NPN, PNP and contact

Short item number	Order code	Description	Price EUR	GTIN
668627	H5CX-A11D-N	Timer, plug-in, 11-pin, 1/16DIN (48 x 48mm), IP66, 4 preset & 4 actual time digits, multi range 0.01s to 9999h (10 ranges), multifunction, NPN/PNP/No voltage input selectable, SPDT 5 A relay output, 12-24 VDC/24 VAC supply	197.20	4548583745247
668597	H5CX-A11-N	Timer, plug-in, 11-pin, DIN48x48mm, IP66, 4 preset & 4 actual time digits, multi range 0.01s to 9999h (10 ranges), multifunction, NPN/PNP/No voltage input selectable, SPDT 5A relay output, 100-240 VAC supply	197.20	4548583745223
668625	H5CX-AD-N	Timer, DIN 48x48 mm, IP66, 4 preset & 4 actual time digits, multi range 0.01 s to 9999 h (10 ranges), multifunction, NPN/PNP/No voltage input selectable, SPDT 5 A relay output, 12-24 VDC/24 VAC supply, includes color change display function	172.30	4548583745162
668585	H5CX-A-N	Timer, DIN 48x48 mm, IP66, 4 preset & 4 actual time digits, multi range 0.01 s to 9999 h (10 ranges), multifunction, NPN/PNP/No voltage input selectable, SPDT 5 A relay output, 100-240 VAC supply, includes color change display function	207.50	4548583745148
668609	H5CX-ASD-N	Timer, DIN48x48mm, IP66, 4 preset & 4 actual time digits, multi range 0.01s to 9999h (10 ranges), multifunction, NPN/PNP/No voltage input selectable, 100mA 30VDC NPN transistor output, 12-24VDC supply, includes color change display function	172.30	4548583745179
668592	H5CX-AS-N	Timer, DIN 48x48 mm, IP66, 4 preset & 4 actual time digits, multi range 0.01 s to 9999 h (10 ranges), multifunction, NPN/PNP/No voltage input selectable, transistor output, 100-240 VAC supply, includes color change display function	195.90	4548583745155
668620	H5CX-L8D-N	Timer, plug-in, 8-pin, DIN 48x48 mm, IP66, 4 preset & 4 actual time digits, multi range 0.01 s to 9999 h (10 ranges), economy model, NPN/PNP/No voltage input selectable, SPDT 5 A relay output, 12-24 VDC/24 VAC supply	165.90	4548583745209
668607	H5CX-L8-N	Timer, plug-in, 8-pin, DIN 48x48 mm, IP66, 4 preset & 4 actual time digits, multi range 0.01 s to 9999 h (10 ranges), economy model, NPN/PNP/No voltage input selectable, SPDT 5 A relay output, 100-240 VAC supply	171.90	4548583745186
668614	H5CX-L8SD-N	Timer, plug-in, 8-pin, DIN48x48mm, IP66, 4 preset & 4 actual time digits, multi range 0.01s to 9999h (10 ranges), economy model, NPN/PNP/No voltage input selectable, 100mA 30VDC NPN transistor output, 12-24VDC/24VAC supply	177.50	4548583745216

## Additional timers

## Additional timers

Short item number	Order code	Description	Price EUR	GTIN
372095	H5AN-4DM 100-240VAC	Digital Timer, 72 x 72 mm, 4 digit display, time limit and integrating operation, time range 0.01 to 99 h, with memory backup, screw terminals	502.50	4547648354332
243648	H5F-KB	Digital Daily Time Switch, Surface Mounting/Track Mounting, 24 h x 7 days (Operation days can be specified.)	260.30	4547648354134
243986	H5S-WB2	Digital Time Switch, Weekly, Flush mounting, 2 circuits, 100 to 240 VAC	472.10	4547648356350
243906	H7AN-4DM 100-240VAC	Preset 4 digit counter, DIN72x72 mm, non-volatile memory built-in	599.50	4547648355223
231117	H7CN-XLN 100-240VAC	Preset Counter, 48 x 48 mm, 4 digit display, up counting, max. count speed 30 cps, without memory backup, SPST-NO, 8-pin socket	362.40	4547648259620

Short item number	Order code	Description	Price EUR	GTIN
120050	Y92A-48	Protective cover for DIN48x48mm device, hard plastic (shallow)	4.96	4536853523268
120938	Y92A-48B	Protective cover for DIN 48x48 mm device, hard plastic	4.66	4536853494049
156312	Y92A-48D	Protective cover for DIN48x48mm device, soft plastic	4.93	4536854247040
151801	Y92A-48F1	Protective cover for H5/7CR timer/counter, soft plastic	13.21	4536854247088
142439	Y92A-48G	Protective cover for DIN48x48mm device	2.82	4536854506420
154196	Y92A-48N	Watertight cover for DIN 48x48 mm device, IP66, plastic	52.55	4536853362935
129704	Y92A-49N	Watertight cover for DIN48x96mm device, IP66, plastic	67.35	4536853362942
142057	Y92A-72N	Watertight cover for DIN72x72mm device, IP66, plastic	72.00	4536853362959
148625	Y92A-96N	Watertight cover for DIN 96x96 mm device, IP66, plastic	84.20	4536853362966
332154	Y92F-30	Flush panel mounting adapter for DIN 48x48 mm device	3.94	4547648769525
107361	Y92S-29	Waterproof packing for use with 48x48mm devices and Y92F30 flush mounting adapter	4.21	4536854248313



### Self-powered LCD totaliser

The H7E series is available with large display with 8.6mm character height. It includes models with backlight for improved visibility in dimly lit places. The H7E family includes total counters, time counters, tachometers and PCB-mounted counters.

- H 24 x W 48 x D 55.5mm
- 8 digits, 8.6mm character height
- Black or light-grey housing
- Dual input speed: 30Hz <-> 1kHz
- Short body: all models have a depth of 48.5mm

Short item number	Order code	Description	Price EUR	GTIN
672687	H7EC-N	Total counter, 1/32DIN (48 x 24 mm), self-powered, LCD, 8-digit, 30cps/1kcps, no-V input, grey case	68.05	4548583755635
672677	H7EC-N-B	Total counter, 1/32DIN (48 x 24 mm), self-powered, LCD, 8-digit, 30cps/1kcps, no-V input, black case	68.05	4548583755642
672659	H7EC-NFV	Total counter, 1/32DIN (48 x 24 mm), self-powered, LCD, 8-digit, 20cps, VAC/DC input, grey case	99.00	4548583755697
672683	H7EC-NFV-B	Total counter, 1/32DIN (48 x 24 mm), self-powered, LCD, 8-digit, 20cps, VAC/DC input, black case	111.40	4548583755703
672660	H7EC-NV	Total counter, 1/32DIN (48 x 24 mm), self-powered, LCD, 8-digit, 30cps/1kcps, VDC input, grey case	70.35	4548583755659
672691	H7EC-NV-B	Total counter, 1/32DIN (48 x 24 mm), self-powered, LCD, 8-digit, 30cps/1kcps, VDC input, black case	71.65	4548583755666
672661	H7EC-NV-BH	Total counter, 1/32DIN (48 x 24 mm), self-powered, LCD with backlight, 8-digit, 30cps/1kcps, VDC input, black case	75.40	4548583755680
672690	H7EC-NV-H	Total counter, 1/32DIN (48 x 24 mm), self-powered, LCD with backlight, 8-digit, 30cps/1kcps, VDC input, grey case	75.80	4548583755673





### Self-powered time counter

The H7E series is available with large display with 8.6mm character height. It includes models with backlight for improved visibility in dimly lit places. The H7E family includes total counters, time counters, tachometers and PCB-mounted counters.

- H 24 x W 48 x D 55.5mm
- 7 digits, 8.6mm character height
- Black or light-grey housing
- Dual time range 999999.9h <-> 3999d23.9h or 999h59m59s <-> 9999h59.9m

Short item number	Order code	Description	Price EUR	GTIN
672656	H7ET-N	Time counter, 1/32DIN (48 x 24 mm), self-powered, LCD, 7-digit, 999999.9h / 3999d23.9h, no-V input, grey case	70.10	4548583755833
672657	H7ET-N1	Time counter, 1/32DIN (48 x 24 mm), self-powered, LCD, 7-digit, 999h59m59s / 9999h59.9m, no-V input, grey case	82.50	4548583755857
672672	H7ET-N-B	Time counter, 1/32DIN (48 x 24 mm), self-powered, LCD, 7-digit, 999999.9h / 3999d23.9h, no-V input, black case	72.90	4548583755840
672681	H7ET-NFV	Time counter, 1/32DIN (48 x 24 mm), self-powered, LCD, 7-digit, 999999.9h / 3999d23.9h, VAC/DC input, grey case	108.50	4548583755956
672674	H7ET-NFV1	Time counter, 1/32DIN (48 x 24 mm), self-powered, LCD, 7-digit, 999h59m59s / 9999h59.9m, VAC/DC input, grey case	106.30	4548583755970
672663	H7ET-NFV-B	Time counter, 1/32DIN (48 x 24 mm), self-powered, LCD, 7-digit, 999999.9h / 3999d23.9h, VAC/DC input, black case	101.80	4548583755963
672665	H7ET-NV	Time counter, 1/32DIN (48 x 24 mm), self-powered, LCD, 7-digit, 999999.9h / 3999d23.9h, VDC input, grey case	72.60	4548583755871
672658	H7ET-NV1	Time counter, 1/32DIN (48 x 24 mm), self-powered, LCD, 7-digit, 999h59m59s / 9999h59.9m, VDC input, grey case	88.20	4548583755918
672664	H7ET-NV-H	Time counter, 1/32DIN (48 x 24 mm), self-powered, LCD with backlight, 7-digit, 999999.9h / 3999d23.9h, VDC input, grey case	77.30	4548583755895



### Self-powered tachometer

The H7E series is available with large display with 8.6mm character height. It includes models with backlight for improved visibility in dimly lit places. The H7E family includes total counters, time counters, tachometers and PCB-mounted counters.

- H 24 x W 48 x D 53.5mm
- 5 digits, 8.6mm character height
- Black or light-grey housing
- Dual revolution display

Short item number	Order code	Description	Price EUR	GTIN
672673	H7ER-N	Tachometer, DIN 48 x 24 mm, self-powered, LCD, 4-digit, 1/60 ppr, no-V input, grey case	73.90	4548583755734
672680	H7ER-NV	Tachometer, DIN 48x24 mm, self-powered, LCD, 4-digit, 1/60 ppr, VDC input, grey case	80.85	4548583755758
672678	H7ER-NV1	Tachometer, DIN 48x24 mm, self-powered, LCD, 5-digit, 1/60 ppr, VDC input, grey case	80.85	4548583755796



### Compact total counters and time counters with easy-to-read displays

The H7GP features a high-visibility, negative transmissive LCD display with 8.5mm-high characters and built-in red LED backlight with low power consumption. It has a compact (80mm) body.

- Total/timer counter
- H 24 x W 48 x D 80mm
- Red negative transmissive LCD
- 6 digits, 8.5mm height
- 12-24VDC or 100-240VAC

Short item number	Order code	Description	Price EUR	GTIN
243926	H7GP-C	Total counter, 1/32DIN (48 x 24mm), 100-240 VAC, LCD, 6-digit, 30cps or 5kcps, NPN/PNP input, manual reset	154.60	4547648353571
243927	H7GP-CD	Total counter, 1/32DIN (48 x 24mm), 12-24 VDC, LCD, 6-digit, 30cps or 5kcps, NPN/PNP input, manual reset	140.10	4547648353588
243928	H7GP-T	Time counter, 1/32DIN (48 x 24mm), 100-240 VAC, LCD, 6-digit, 30cps or 5kcps, NPN/PNP input, manual reset	180.70	4547648353595
243929	H7GP-TD	Time counter, 1/32DIN (48 x 24mm), 12-24 VDC, LCD, 6-digit, 30cps or 5kcps, NPN/PNP input, manual reset	140.40	4547648353601



### Compact total counters and time counters with easy-to-read displays

The H7HP has a large, easy-to-read display: 15mm-high characters for 6-digit models or 12mm-high characters for 8-digit models. It features a high-visibility, negative transmissive LCD display with built-in red LED backlight with low power consumption. It has a compact (66mm) body.

- Total/timer counter
- H 36 x W 72 x D 65.8mm
- Red negative transmissive LCD
- 6 digits, 15mm height / 8 digits, 12mm height
- 12-24VDC or 100-240VAC

Short item number	Order code	Description	Price EUR	GTIN
243933	H7HP-A	Total/time counter, DIN72x36mm, 100-240 VAC, LCD, 6-digit, 30cps or 5kcps, NPN/PNP input, manual reset	179.80	4547648353885
243934	H7HP-AD	Total/time counter, DIN72x36mm, 12-24 VDC, LCD, 6-digit, 30cps or 5kcps, NPN/PNP input, manual reset	163.80	4547648353892
243936	H7HP-C8D	Total counter, DIN72x36 mm, 12 to 24 VDC, LCD, 8-digit, 30cps or 5kcps, NPN/PNP input, manual reset	196.70	4547648353915



### The most complete digital standard counter on the market

H7CX offers you the most complete series of products on the market today. Based on extensive customer research, these new counters have been designed with added-value features that users both need and appreciate.

- H 48 x W 48 x D 59 to 78mm
- Three-colour display value, red, green or orange
- Twin counter mode
- 6-digit model -99999 to 999999, set value -99999 to 999999 or 0 to 999999
- Input contact, NPN or PNP

Short item number	Order code	Description	Price EUR	GTIN
668600	H7CX-A114D1-N	Counter, plug-in, 11-pin, DIN48x48mm, IP66, 4 digits, multifunction: 1-stage & total, SPST-NO 3A relay output, 12-24VDC/24VAC supply, 12VDC aux supply	285.00	4548583745353
668637	H7CX-A114-N	Counter, plug-in, 11-pin, 1/16DIN (48 x 48mm), IP66, 4 digits, multifunction: 1-stage & total, SPST-NO 3 A relay output, 100-240 VAC supply, 12 VDC aux supply	245.10	4548583745339
668595	H7CX-A11D1-N	Counter, plug-in, 11-pin, DIN 48x48 mm, IP66, 6 preset & 6 actual count digits, multifunction: 1-stage & total, SPST-NO 3 A relay output, 12-24 VDC/24 VAC supply, 12 VDC aux. supply	245.10	4548583745315
668611	H7CX-A11-N	Counter, plug-in, 11-pin, DIN 48x48 mm, IP66, 6 preset & 6 actual count digits, multifunction: 1-stage & total, SPST-NO 3 A relay output, 100-240 VAC supply, 12 VDC aux. supply	242.00	4548583745292
668621	H7CX-A4D-N	Counter, 1/16DIN (48 x 48mm), IP66, 4 preset & 4 actual count digits, multifunction:1-stage & total, SPST-NO 3 A relay output, 12-24 VDC/24 VAC supply, includes colour change display function	205.50	4548583745421
668623	H7CX-A4-N	Counter, 1/16DIN (48 x 48mm), IP66, 4 preset & 4 actual count digits, multifunction:1-stage & total, SPST-NO 3 A relay output, 100-240 VAC supply, 12 VDC aux supply, includes colour change display function	285.40	4548583745407
668601	H7CX-A4SD-N	Counter, 1/16DIN (48 x 48mm), IP66, 4 preset & 4 actual count digits, multifunction:1-stage & total, transistor output, 12-24 VDC/24 VAC supply, includes colour change display function	194.60	4548583745438
668590	H7CX-A4W-N	Counter, 1/16DIN (48 x 48mm), IP66, 4 preset & 4 actual count digits, multifunction:2-stage & total, SPST-NO 3 A relay output, 100-240 VAC supply, 12 VDC aux supply, includes colour change display function	350.20	4548583745490
668628	H7CX-AD-N	Counter, 1/16DIN (48 x 48mm), IP66, 6 preset & 6 actual count digits, multifunction:1-stage & total, SPST-NO 3 A relay output, 12-24 VDC/24 VAC supply, includes colour change display function	239.30	4548583745384
668633	H7CX-A-N	Counter, plug-in, screw terminal, 1/16DIN (48 x 48mm), IP66, 6 preset & 6 actual count digits, multifunction: 1-stage & total, SPST-NO 3 A relay output, 100-240 VAC supply, 12 VDC aux supply	238.90	4548583745360
311858	H7CX-AUD1-N	Counter, DIN 48x48 mm, IP66, 6 preset & 6 actual count digits, multifunction: 1-stage/2-stage/total/batch/dual/tachometer, SPST-NO 3 A relay & 100 mA, 30 VDC NPN transistor outputs, 12-24 VDC/24 VAC supply, 12 VDC aux. supply, includes color change displ	251.40	4547648642712
311857	H7CX-AU-N	Counter, DIN 48x48 mm, IP66, 6 preset & 6 actual count digits, multifunction: 1-stage/2-stage/total/batch/dual/tachometer, SPST-NO 3 A relay & 100 mA, 30 VDC NPN transistor outputs, 100-240 VAC supply, 12 VDC aux. supply, includes color change display	251.20	4547648642705
311859	H7CX-AUSD1-N	Counter, DIN48x48mm, IP66, 6 preset & 6 actual count digits, multifunction: 1-stage/2-stage/total/batch/ dual/tachometer, 2x 100mA 30VDC NPN transistor outputs, 12-24VDC/24VAC supply, 12 VDC aux supply, includes color change display function	295.50	4547648642729
668634	H7CX-AWD1-N	Counter, 1/16DIN (48 x 48mm), IP66, 6 preset & 6 actual count digits, multifunction: 1-stage/2-stage/total/batch/ dual/tachometer, two relay outputs, 12-24 VDC/24 VAC supply, 12 VDC aux supply, includes color change display function	257.60	4548583745469
668588	H7CX-AW-N	Counter, 1/16DIN (48 x 48mm), IP66, 6 preset & 6 actual count digits, multifunction: 1-stage/2-stage/total/batch/ dual/tachometer, two relay outputs, 100-240 VAC supply, 12 VDC aux supply, includes color change display function	257.60	4548583745445
668643	H7CX-AWS-N	Counter, 1/16DIN (48 x 48mm), IP66, 6 preset & 6 actual count digits, multifunction: 1-stage/2-stage/total/batch/ dual/tachometer, two transistor outputs, 100-240 VAC supply, 12 VDC aux supply, includes colour change display function	316.00	4548583745452
668598	H7CX-R11D1-N	Tachometer, plug-in, 11-pin, DIN48 x 48 mm, IP66, 6 preset & 6 actual count digits, multifunction, SPST-NO 3A relay output, 12-24VDC/24 VAC supply, 12VDC aux supply	275.70	4548583745520



### Multifunction Counter DIN 72x72mm

H7BX with the backlit LCD gives an excellent display view. The main display PV has a height of 13.5mm and SV has a height of 9.5mm. It can be green or red and it can be programmed to change if a specific value is reached. All basic counter functions are covered with many different output modes. Easy setup by dip-switches for the basic functions.

- H 72 x W 72 x D 100mm
- Total and preset counter, batch counter, dual counter and tachometer
- Two-color display value, red or green
- 6-digit, -99999 to 999999, set value -99999 to 999999 or 0 to 999999
- Input contact, NPN or PNP
- Easy operation with a key for each digit

Short item number	Order code	Description	Price EUR	GTIN
241306	H7BX-A	Counter, DIN 72x72 mm, digital, multifunction, preset to 1-stage, SPST-NO, 3 A	518.00	4547648453615
241308	H7BX-AD1	Counter, DIN 72x72 mm, digital, multifunction, preset to 1-stage, SPST-NO, 3 A	518.00	4547648453639
241307	H7BX-AW	Counter, DIN 72x72 mm, digital, multifunction, preset to 2-stage, SPST-NO, 3 A	554.00	4547648453622
241309	H7BX-AWD1	Counter, DIN 72x72 mm, digital, multifunction, preset to 2-stage, SPST-NO, 3 A	554.00	4547648453646



### Compact, easy-to-use cam positioner

The H8PS provides high-speed operation at 1,600 r/min and high-precision settings to 0.5° ensuring widespread application. H8PS features a highly visible display with backlit negative transmissive LCD. Advance angle compensation function compensates for output delays.

- H 96 to 121.2 x W 96 x D 60.6 to 67.5 mm
- Front-panel / DIN-rail
- 24VDC
- 8-, 16- and 32-outputs
- NPN/PNP 100mA at 30VDC

Short item number	Order code	Description	Price EUR	GTIN
169011	H8PS-16BFP	Rotary positioner, 1/4DIN (96 x 96mm), track/surface mounting, 24 VDC, 16x PNP outputs (requires E6CP/E6F encoder)	858.50	4547648042628
169010	H8PS-16BP	Rotary positioner, 1/4DIN (96 x 96mm) panel mounting, 24 VDC, 16x PNP outputs (requires E6CP/E6F encoder)	855.50	4547648042611
169015	H8PS-32BFP	Rotary positioner, 1/4DIN (96 x 96mm), track/surface mounting, 24 VDC, 32x PNP outputs (requires E6CP/E6F encoder)	1,173.00	4547648042703
169014	H8PS-32BP	Rotary positioner, 1/4DIN (96 x 96mm) panel mounting, 24 VDC, 32x PNP outputs (requires E6CP/E6F encoder)	1,173.00	4547648042697
142010	H8PS-8B	Rotary positioner, DIN 96x96 mm panel mounting, 24 VDC, 8x NPN outputs (requires E6CP/E6F encoder)	497.80	4536853532451
119514	H8PS-8BF	Rotary positioner, 1/4DIN (96 x 96mm), track/surface mounting, 24 VDC, 8x NPN outputs (requires E6CP/E6F encoder)	528.00	4536853532468
119516	H8PS-8BFP	Rotary positioner, DIN 96x96 mm, track/surface mounting, 24 VDC, 8x PNP outputs (requires E6CP/E6F encoder)	511.00	4536853532482
119515	H8PS-8BP	Rotary positioner, DIN 96x96 mm panel mounting, 24 VDC, 8x PNP outputs (requires E6CP/E6F encoder)	502.00	4536853532475

Short item number	Order code	Description	Price EUR	GTIN
142011	Y92A-96B	Protective cover for DIN96x96mm device, hard plastic	11.60	4536853532512
156348	Y92F-91	DIN rail mounting base for H8PS rotary positioner	26.80	4536853532529
169367	Y92S-41-200	Output cable, free wire ends, 2m long (1pc required for 16 output, 2pcs required for 32 output)	79.00	4547648043861

Short item number	Order code	Description	Price EUR	GTIN
107355	Y92F-35	Flush panel mounting adapter for H7E	4.91	4536854819872
154955	Y92F-75	Flush mounting adapter for H7E, panel cut-out 45.3 x 26 mm	3.94	4536853531324

## ZEN-10C

## Programmable relays



## Flexible automation

With the choice of 4 different 10 I/O CPU units we fulfill all needed functionality to do all kind of control automation. Three of them (C1/C2/C4) are expandable up-to 34 I/O. The C3 has fixed 10 I/O. All DC models have analogue input and a high-speed counter input up to 150Hz. The C4 model is equipped with communication.

- DC input/supply units have analogue input + high speed counter
- The ZEN-10C4 has RS-485 communication
- Expansion available with relay output or transistor output
- ZEN-Kits the best choice to start!

Short item number	Order code	Description	Price EUR	GTIN
240972	ZEN-10C1AR-A-V2	Programmable relay, 100-240 VAC supply, 6x 100-240 VAC inputs, 4x relay outputs 5 A, RTC, LCD display	212.20	4547648391047
240974	ZEN-10C1DR-D-V2	Programmable relay, 24 VDC supply, 6x 24 VDC inputs (2 of which can be 0-10 V analog inputs), 4x relay outputs 5 A, RTC, LCD display	212.20	4547648391061
240979	ZEN-10C1DT-D-V2	Programmable relay, 24 VDC supply, 6x 24 VDC inputs (2 of which can be 0-10 V analog inputs), 4x transistor outputs, RTC, LCD display	212.20	4547648391115
240973	ZEN-10C2AR-A-V2	Programmable relay, 100-240 VAC supply, 6x 100-240 VAC inputs, 4x relay outputs 5 A	178.10	4547648391054
240975	ZEN-10C2DR-D-V2	Programmable relay, 24 VDC supply, 6x 24 VDC inputs (2 of which can be 0-10 V analog inputs), 4x relay outputs 5 A	178.10	4547648391078
240983	ZEN-10C3AR-A-V2	Programmable relay, 100-240 VAC supply, 6x 100-240 VAC inputs, 4x relay outputs 5A, RTC, LCD display, unexpandable	166.50	4547648391160
240984	ZEN-10C3DR-D-V2	Programmable relay, 24 VDC supply, 6x 24 VDC inputs (2 of which can be 0-10V analog inputs), 4x relay outputs 5A, RTC, LCD display, unexpandable	166.50	4547648391177
240987	ZEN-10C4AR-A-V2	Programmable relay, 24 VDC supply, 6x 100-240 VAC inputs (2 of which can be 0-10 V analog inputs), 4x relay outputs 5 A, RTC, LCD display, expandable	244.70	4547648391207
240988	ZEN-10C4DR-D-V2	Programmable relay, 24 VDC supply, 6x 24 VDC inputs (2 of which can be 0-10 V analog inputs), 4x relay outputs 5 A, RTC, LCD display, expandable	244.70	4547648391214

Short item number	Order code	Description	Price EUR	GTIN
240970	ZEN-BAT01	Battery for ZEN programmable relay	49.87	4547648391023
240969	ZEN-CIF01	Cable, 2 m, for connecting ZEN programmable relay to a PC	116.90	4547648391016
240971	ZEN-ME01	Memory cassette, EEPROM	46.51	4547648391030
240995	ZEN-SOFT01-V4	Programming software for ZEN programmable relay, CD-ROM	70.35	4547648391283



### Extended flexible automation

With the ZEN-20 I/O you get in one unit 12 Inputs and 8 Outputs relays or transistor. Here-with you can do a lot of bigger scale automation whereas the 10 I/O versions are just too short of I/O's. The 20 I/O unit is available in three different versions starting from C1 with LCD display, control/ program buttons, calendar and clock or C2 with LED status indication or C3 same as C1 but fixed I/O.

- ZEN-20C1/C2 expandable up to 44 I/Os
- ZEN DC units have analogue input 0-10 VDC
- DC models have as well high speed counter 150 Hz.
- Expansion available with relay output or transistor output

Short item number	Order code	Description	Price EUR	GTIN
240989	ZEN-20C1AR-A-V2	Programmable relay, 100-240 VAC supply, 12x 100-240 VAC inputs, 8x relay outputs 5 A, RTC, LCD display	274.70	4547648391221
240991	ZEN-20C1DR-D-V2	Programmable relay, 24 VDC supply, 12x 24 VDC inputs (2 of which can be 0-10 V analog inputs), 8x relay outputs 5 A, RTC, LCD display	274.70	4547648391245
240993	ZEN-20C1DT-D-V2	Programmable relay, 24 VDC supply, 12x 24 VDC inputs (2 of which can be 0-10 V analog inputs), 8x transistor outputs, RTC, LCD display	274.70	4547648391269
240990	ZEN-20C2AR-A-V2	Programmable relay, 100-240 VAC supply, 12x 100-240 VAC inputs, 8x relay outputs 5 A	256.00	4547648391238
240992	ZEN-20C2DR-D-V2	Programmable relay, 24 VDC supply, 12x 24 VDC inputs (2 of which can be 0-10 V analog inputs), 8x relay outputs 5 A	256.00	4547648391252
240994	ZEN-20C2DT-D-V2	Programmable relay, 24 VDC supply, 12x 24 VDC inputs (2 of which can be 0-10 V analog inputs), 8x transistor outputs	256.00	4547648391276
240985	ZEN-20C3AR-A-V2	Programmable relay, 100-240 VAC supply, 12x 100-240 VAC inputs, 8x relay outputs 5A, unexpandable	244.70	4547648391184
240986	ZEN-20C3DR-D-V2	Programmable relay, 24 VDC supply, 12x 24 VDC inputs (2 of which can be 0-10V analog inputs), 8x relay outputs 5A, unexpandable	244.70	4547648391191



### ZEN Expansion units

To enlarge your ZEN application we provide three different expansion units in only 35 mm width ZEN housing. All expansion units have standard 4 inputs and 4 outputs. You can add maximum 3 expansion units to one CPU.

- 4 inputs, 100 to 240VAC or 12 to 24VDC
- 4 outputs, either relays or transistors (only DC models)
- DIN-rail mounting
- H 90 x W 35 x D 56mm

Short item number	Order code	Description	Price EUR	GTIN
240976	ZEN-8E1AR	I/O expansion unit, 4 x 100-240 VAC inputs, 4 x relay outputs 5 A	99.45	4547648391085
240977	ZEN-8E1DR	I/O expansion unit, 4 x 24 VDC inputs, 4 x relay outputs 5 A	90.75	4547648391092
240981	ZEN-8E1DT	I/O expansion unit, 4 x 24 VDC inputs, 4 x transistor outputs	86.50	4547648391139





### Compact and intelligent digital panel meter

The K3GN is able to cover a wide variety of applications with its 3 main functions: process meter, RPM processor/tachometer and digital data display for PC/PLC. Configuration is easy and the design is advanced and compact.

- Process indicator DC voltage/current
- RPM process/tachometer
- Digital data display for PC/PLC
- Very compact 1/32 DIN housing: H 24 x W 48 x D 83mm
- 5-digit display with programmable display colour, in red or green

Short item number	Order code	Description	Price EUR	GTIN
227823	K3GN-NDC 24VDC	Digital panel meter, DIN48x24mm, DC voltage/current + NPN input, 2x relay outputs, includes color display function, 24VDC, without data transmission output	269.90	4547648238328
227824	K3GN-PDC 24VDC	Digital panel meter, DIN 48x24 mm, DC voltage/current + PNP input, 2x relay outputs, includes color display function, without data transmission output	270.40	4547648238342
227825	K3GN-PDT2 24VDC	Digital panel meter, DIN 48x24 mm, DC voltage/current + PNP input, 3x PNP transistor outputs, includes color display function	242.70	4547648238359



### Highly visible LCD display with 2-colour (red and green) LEDs

The K3MA-J is a process meter with a supply voltage of either 100 to 240VAC or 24VAC/VDC. Both are equipped with the same quality display and have the same short depth of 80mm.

- DIN-size of H 48 x W 96mm
- Highly visible, negative transmissive back-lit LCD display
- 14.2mm-high characters
- 5 digits (-19999 to 99999)
- Front-panel IP66

Short item number	Order code	Description	Price EUR	GTIN
228010	K3MA-J 100-240VAC	Process meter, DIN 96 x 48 mm, colour change display, DC voltage/ current input	249.60	4547648238694
227976	K3MA-J 24VAC/DC	Process meter, DIN 96 x 48 mm, colour change display, DC voltage/ current input	228.10	4547648238700
227977	K3MA-J-A2 100-240VAC	Process meter, DIN 96x48 mm, color change display, DC voltage/ current input, 2NO relay output, 100-240AC	251.50	4547648238717
227978	K3MA-J-A2 24VAC/DC	Process meter, DIN 96x48 mm, color change display, DC voltage/ current input, 2NO relay output, 24 VAC/DC	240.00	4547648238724





### Highly visible LCD display with 2-colour (red and green) LEDs

The K3MA-L is a temperature meter with a supply voltage of either 100 to 240VAC or 24VAC/VDC. Both are equipped with the same quality display and have the same short depth of 80mm.

- DIN-size of H 48 x W 96mm
- Highly visible, negative transmissive back-lit LCD display
- 14.2mm-high characters
- 4 digits
- Front-panel IP66

Short item number	Order code	Description	Price EUR	GTIN
227981	K3MA-L-C 100-240VAC	Temperature meter, DIN 96x48 mm, color change display, thermocouple/ RTD input, 1C/O relay output, 100-240AC	251.40	4547648238755
227982	K3MA-L-C 24VAC/DC	Temperature meter, DIN 96x48 mm, color change display, thermocouple/ RTD input, 1C/O relay output, 24 VAC/DC	240.00	4547648238762



### Highly visible LCD display with 2-colour (red and green) LEDs

The K3MA-F is a frequency/rate meter with a supply voltage of either 100 to 240VAC or 24VAC/VDC. Both are equipped with the same quality display and have the same short depth of 80mm.

- DIN-size of H 48 x W 96mm
- Highly visible, negative transmissive back-lit LCD display
- 14.2mm-high characters
- 5 digits (-19999 to 99999)
- Front-panel IP66

Short item number	Order code	Description	Price EUR	GTIN
227985	K3MA-F-A2 100-240VAC	Frequency/rate meter, DIN 96x48 mm, color change display, pulse input, 2NO relay output, 100-240 VAC	264.20	4547648238793
228009	K3MA-F-A2 24VAC/DC	Frequency/rate meter, DIN 96x48 mm, color change display, pulse input, 2NO relay output, 24 VAC/DC	261.30	4547648238809



### Process indicator ideal for discriminating and displaying measurements

These indicators with analogue input feature a clear and easy-to-use colour-change display. All models are equipped with an IP66 housing. K3HB series is high speed, with a sample rate of 50Hz.

- Position meter indication for easy monitoring
- Optional DeviceNet, RS-232C, RS-485
- Double display, with 5 digits, in two colours
- Dimensions: H 48 x W 96 x D 100mm

Short item number	Order code	Description	Price EUR	GTIN
168496	K3HB-XAA 100-240VAC	Digital panel meter, DIN1/8 (48(h) x 96(w)), 2 line display with dual color change for actual value, output and option slots, AC current input 0-19.999mA to 0-10A, 100-240 VAC supply	482.00	4547648021814
168444	K3HB-XAD 100-240VAC	Digital panel meter, DIN1/8 (48(h) x 96(w)), 2 line display with dual color change for actual value, output and option slots, DC current input $\pm 199.99$ mA and 4.000 to 20.000mA, 100-240 VAC supply	416.10	4547648021777
168445	K3HB-XAD 24VAC/VDC	Digital panel meter, DIN1/8 (48(h) x 96(w)), 2 line display with dual color change for actual value, output and option slots, DC current input $\pm 199.99$ mA and 4.000 to 20.000mA, 24 VAC/VDC supply	439.20	4547648021784
168442	K3HB-XVD 100-240VAC	Digital panel meter, DIN1/8 (48(h) x 96(w)), 2 line display with dual color change for actual value, output and option slots, DC voltage input $\pm 199.99$ V and 1.0000 to 5.0000V, 100-240 VAC supply	429.10	4547648021753
168443	K3HB-XVD 24VAC/VDC	Digital panel meter, DIN1/8 (48(h) x 96(w)), 2 line display with dual color change for actual value, output and option slots, DC voltage input $\pm 199.99$ V and 1.0000 to 5.0000V, 24 VAC/VDC supply	432.30	4547648021760



### New high-speed, high-precision temperature indicator

These indicators with analogue input feature a clear and easy-to-use colour-change display. All models are equipped with an IP66 housing. K3HB series is high speed, with a sample rate of 50Hz.

- Position meter indication for easy monitoring
- Optional DeviceNet, RS-232C, RS-485
- Double display, with 5 digits, in two colours
- Dimensions: H 48 x W 96 x D 100mm

Short item number	Order code	Description	Price EUR	GTIN
168448	K3HB-HTA 100-240VAC	Digital panel meter, DIN1/8 (48(h) x 96(w)), 2 line display with dual color change for actual value, output and option slots, Temperature sensor input S, PT100, K, J, T, E, L, U, N, R, S, B, W, 100-240 VAC supply	572.50	4547648022651



### Weighing indicator measuring pressure, load, torque and weight

These indicators with analogue input feature a clear and easy-to-use colour-change display. All models are equipped with an IP66 housing. K3HB series is high speed, with a sample rate of 50Hz.

- Position meter indication for easy monitoring
- Optional DeviceNet, RS-232C, RS-485
- Double display, with 5 digits, in two colours
- Dimensions: H 48 x W 96 x D 100mm

Short item number	Order code	Description	Price EUR	GTIN
168446	K3HB-VLC 100-240VAC	Digital panel meter, DIN1/8 (48(h) x 96(w)), 2 line display with dual color change for actual value, output and option slots, Load cell input (DC low voltage input), 0.00 to 19.999mV/0.000 to 19.999mV/100.00 to 199.99mV, 100-240 VAC supply	426.00	4547648022477
168447	K3HB-VLC 24VAC/VDC	Digital panel meter, DIN1/8 (48(h) x 96(w)), 2 line display with dual color change for actual value, output and option slots, Load cell input (DC low voltage input), 0.00 to 19.999mV/0.000 to 19.999mV/100.00 to 199.99mV, 24 VAC/VDC supply	426.00	4547648022484



### Linear sensor indicator capable of high-speed response

These indicators with analogue input feature a clear and easy-to-use colour-change display. All models are equipped with an IP66 housing. K3HB series is high speed, with a sample rate of 2,000Hz.

- Position meter indication for easy monitoring
- Optional DeviceNet, RS-232C, RS-485
- Double display, with 5 digits, in two colours
- Dimensions: H 48 x W 96 x D 100mm

Short item number	Order code	Description	Price EUR	GTIN
118207	K3HB-SSD 24VAC/DC	Digital panel meter, DIN1/8 (48(h) x 96(w)), 2 line display with dual color change for actual value, output and option slots, Linear sensor/transducer input, DC process inputs scaled 0 to 5v, 1 to 5V, -5 to +5V, -10 to +10V, 0 to 20mA or 4 to 20mA 24 VAC	812.00	4547648008501



### High-speed up-/down-counting pulse indicator

These indicators with digital input feature a clear and easy-to-use colour-change display. All models are equipped with an IP66 housing. K3HB-C is high speed, with a sample rate up to 50kHz.

- Position meter indication for easy monitoring
- Optional DeviceNet, RS-232C, RS-485
- Double display, with 5 digits, in two colours
- Dimensions: H 48 x W 96 x D 100mm

Short item number	Order code	Description	Price EUR	GTIN
180120	K3HB-CNB 100-240VAC	Digital panel meter, DIN1/8 (48(h) x 96(w)), 2 line display with dual color change for actual value, output and option slots, Up/Down counting pulse, 30Hz to 50kHz No voltage, voltage or NPN open collector, 100-240 VAC supply	429.10	4547648109864
181448	K3HB-CPB 24VAC/VDC	Digital panel meter, DIN1/8 (48(h) x 96(w)), 2 line display with dual color change for actual value, output and option slots, Up/Down counting pulse, 30Hz to 50kHz No voltage, voltage or PNP open collector, 24 VAC/VDC supply	432.30	4547648140348



### Rotary pulse indicator capable of 50kHz measurements

These indicators with digital input feature a clear and easy-to-use colour-change display. All models are equipped with an IP66 housing. K3HB-R is high speed, with a sample rate up to 50kHz.

- Position meter indication for easy monitoring
- Optional DeviceNet, RS-232C, RS-485
- Double display, with 5 digits, in two colours
- Dimensions: H 48 x W 96 x D 100mm

Short item number	Order code	Description	Price EUR	GTIN
180112	K3HB-RNB 100-240VAC	Digital panel meter, DIN1/8 (48(h) x 96(w)), 2 line display with dual color change for actual value, output and option slots, Rotary pulse/Rate indicator, 30Hz to 50kHz No voltage, voltage or NPN open collector, 100-240 VAC supply	429.10	4547648109789
180113	K3HB-RNB 24VAC/VDC	Digital panel meter, DIN1/8 (48(h) x 96(w)), 2 line display with dual color change for actual value, output and option slots, Rotary pulse/Rate indicator, 30Hz to 50kHz No voltage, voltage or NPN open collector, 24 VAC/VDC supply	442.30	4547648109796
180114	K3HB-RPB 100-240VAC	Digital panel meter, DIN1/8 (48(h) x 96(w)), 2 line display with dual colour change for actual value, output and option slots, Rotary pulse/Rate indicator, 30Hz to 50kHz No voltage, voltage or PNP open collector, 100-240 VAC supply	439.20	4547648109802
180115	K3HB-RPB 24VAC/VDC	Digital panel meter, DIN1/8 (48(h) x 96(w)), 2 line display with dual colour change for actual value, output and option slots, Rotary pulse/Rate indicator, 30Hz to 50kHz No voltage, voltage or PNP open collector, 24 VAC/VDC supply	419.50	4547648109819

## 1/8 DIN indicators accessories

## 1/8 DIN advanced indicators

Short item number	Order code	Description	Price EUR	GTIN
147813	K33-A	option board (Slot B), not compatible with K3N models, 12 VDC 80mA sensor power supply , not suitable for K3HB-V models	50.75	4536854951220
168451	K33-B	option board (Slot B), not compatible with K3N models, 10 VDC 100mA sensor power supply for K3HB-V models	52.15	4547648022842
105740	K33-CPA	option board (Slot B), not compatible with K3N models, 1 relay (PASS) SPDT and 12 VDC 80mA sensor power supply	60.70	4536854951213
168450	K33-CPB	option board (Slot B), not compatible with K3N series, 1 relay (PASS) SPDT and 10 VDC 100mA power supply	63.35	4547648022835
168458	K33-FLK3A	option board (Slot B), not compatible with K3N models, Communications RS-485 and 10 VDC 100mA sensor power supply	109.30	4547648022910
168459	K33-FLK3B	option board (Slot B), not compatible with K3N models, Communications RS-485 and 10 VDC 100mA sensor power supply	129.00	4547648022927
168452	K33-L1A	option board (Slot B), not compatible with K3N models, Linear DC (0)4-20mA Output and 12 VDC 80mA sensor power supply	206.10	4547648022859
168453	K33-L1B	option board (Slot B), not compatible with K3N models, Linear DC (0)4-20mA Output and 12 VDC 80mA sensor power supply	232.90	4547648022866
168454	K33-L2A	option board (Slot B), not compatible with K3N models, Linear DC(0)1-5V or 0 to 10V Output and 12 VDC 80mA sensor power supply	206.10	4547648022873
168455	K33-L2B	option board (Slot B), not compatible with K3N models, Linear DC(0)1-5V or 0 to 10V Output and 12 VDC 80mA sensor power supply	242.70	4547648022880
155312	K34-C1	option board (Slot C), not compatible with K3N models, 2 relays (High/Low) SPDT for each relay	73.25	4536854927195
118248	K34-C2	option board (Slot C), not compatible with K3N models, 4 relays (HH/H/L/LL) SPNO for each relay	92.50	4536854927201
118249	K34-T1	option board (Slot C), not compatible with K3N models, 5 NPN open collector output (HH/H/PASS/L/LL)	85.25	4536854927218
118250	K34-T2	option board (Slot C), not compatible with K3N models, 5 PNP open collector output (HH/H/PASS/L/LL)	84.20	4536854927225
118251	K35-1	option board (Slot D), not compatible with K3N models, NPN open collector event input card 5 points M3 terminal block	65.35	4536854927232
144606	K35-3	option board (Slot D), not compatible with K3N models, PNP open collector event input card 5 points M3 terminal block	79.60	4536854927249

## Additional panel indicators

## Additional panel indicators

Short item number	Order code	Description	Price EUR	GTIN
117712	K35C-10 100-240VAC	Communications converter, RS-232C/USB to RS-422/RS-485, DIN rail or direct panel mounting, operation LED indicators for quick reference, Baud rate to 38400bps, quick dip switch setting, small size only 30x79x78 mm (wxhxd), 100 to 240 VAC supply voltage	361.80	4536854712531
115897	M7E-01HRP2	Digital display, Hexadecimal, positive logic input, Red display colour	70.75	4536853702878

Short item number	Order code	Description	Price EUR	GTIN
118244	K32-49HC	Hard cover for use with 96x48mm panel meter	6.64	4536853597092
146531	K32-49SC	Splash-proof soft cover for use with 96x48mm panel meter	22.81	4536853597153



**Global power monitor for mounting inside control panels**

- Solve design, installation, and operation topics.
- You can measure up to four circuits with one power monitor.
- Use general-purpose CTs and handle a variety of worksites.
- Large, easy-to-read white LCD for improved visibility.
- IEC Class 0.5S high-precision measurements (Power monitor only).

Short item number	Order code	Description	Price EUR	GTIN
669418	KM-N2-FLK	Multi-circuit compact power monitor device for DIN rail mounting	191.70	4548583795624



**Global power monitor for On-panel installation**

- Solve design, installation, and operation topics.
- You can measure up to four circuits with one power monitor.
- Use general-purpose CTs and handle a variety of worksites.
- Large, easy-to-read white and green LCD for improved visibility.
- IEC Class 0.5S high-precision measurements (Power monitor only).

Short item number	Order code	Description	Price EUR	GTIN
672546	KM-N3-FLK	Multi-circuit compact power monitor device for on panel installation	184.20	4548583800199





**Highly visible on-panel energy monitoring**

KM50 can measure produced and consumed Power, Current and Voltage as well as leading reactive power, lagging reactive power, power factor, frequency amongst others.

- Assist energy saving analysis with built in energy classification functionality.
- High precision measurements even for currents below 5% of the nominal value through automatic range switching.
- Able to measure and distinguished consumed and generated power.
- Measurement of reactive power and power factor.
- Pulse measurement integrated and direct conversion to measure Energy Management KPI (f.i. n. of pcs / kWh).
- No VT required, direct voltage detection / openable CTs
- Multi-colored display
- Modbus communications
- Built-in data logging

Short item number	Order code	Description	Price EUR	GTIN
380520	KM50-E1-FLK	Power monitor, on-panel 48x96 mm with LED display, 1-phase / 2-wire,3-phase / 3-wire, Compoway/F and Modbus	177.50	4547648822220

**Additional energy monitoring devices**

**Additional energy monitoring devices**

Short item number	Order code	Description	Price EUR	GTIN
380519	KM20-CTF-50A	Current transformer, field installation, 50 A, for cable dia. 9.5 mm max	22.93	4547648706223
380509	KM20-CTF-CB3	Cable for current transformer, 3 m	16.81	4547648706780



### IoT Flow Sensors

Detect Signs of Abnormalities in Cooling Water by Simultaneous Measurement of "Flow Rate + Temperature"

- Multi-sensing of "Flow rate + temperature" for preventing a sudden stops or manufacturing defects.
- Various lineup of replacement adapters to enable easy replacement of your current pressure gauges and flow meters.
- Analog current output function in addition to the IO-Link communications function that can perform self-diagnosis of abnormalities in the sensor itself.

Short item number	Order code	Description	Price EUR	GTIN
684379	E8FC-YA-R25A	Flow sensor adapter, R taper thread, 25A 1, SUS304	65.00	4549734213097

## E8PC Pressure Sensors

## Pressure control



### IoT Pressure Sensors

Detect Signs of Abnormalities in Cooling Water and Hydraulic Oil by Simultaneous Measurement of "Pressure + Temperature"

- Multi-sensing of "Pressure + temperature" for preventing a sudden stops or manufacturing defects.
- Various lineup of replacement adapters to enable easy replacement of your current pressure gauges and flow meters.
- Analog current output function in addition to the IO-Link communications function that can perform self-diagnosis of abnormalities in the sensor itself.

Short item number	Order code	Description	Price EUR	GTIN
684402	E8PC-YA-A38	Pressure sensor adapter, R taper thread, male, 10A 3/8, SUS304	94.95	4549734213325

## Additional control components

## Additional control components

Short item number	Order code	Description	Price EUR	GTIN
382980	MS16MOLLE	Hold down and release clip, plastic, relay height 16 mm	0.38	8020028144274
382981	MS25 MOLLE	Hold down and release clip, plastic, relay height 25 mm	0.35	8020028144281
382992	TYPE 42	Plug-in module with LED and damping diode, 6-24 VDC, for mounting on PES 50, PES35, PES50/3, PES15/4B	2.51	8020028142683

## The only truly industrial 6 mm relay



Having been designed from first principles, instead of being adapted from a PCB relay, Omron's G2RV series is the only genuine slim industrial relay on the market. As a result, the G2RV offers a wide array of benefits to machine manufacturers and panel builders. Just 6mm wide, the relay is ideal for compact panels and equipment, yet it offers all of the durability and reliability required for industrial applications.

- Push-in plus Technology – easy wiring
- Lockable test switch models available
- Large plug-in pins – excellent connection
- LED/mechanical flag – check operation
- Transparent housing – check condition
- Slim outline – space saving
- Special input type with gold plated contacts
- G3RV compatible

Short item number	Order code	Description	Price EUR	GTIN
678033	G2RV-SR500 110VAC	Slimline relay 6 mm incl. socket, SPDT, 6 A, Push-in terminals, 110 VAC	12.92	4549734135887
678027	G2RV-SR500 12VDC	Slimline relay 6 mm incl. socket, SPDT, 6 A, Push-in terminals, 12 VDC	12.41	4549734135856
678019	G2RV-SR500 230VAC	Slimline relay 6 mm incl. socket, SPDT, 6 A, Push-in terminals, 230 VAC	12.92	4549734135900
678028	G2RV-SR500 24VAC/DC	Slimline relay 6mm incl. socket, SPDT, 6 A, Push-in terminals, 24 VAC/DC	10.88	4549734135917
678005	G2RV-SR500 24VDC	Slimline relay 6mm incl. socket, SPDT, 6 A, Push-in terminals, 24 VDC	12.41	4549734135863
678030	G2RV-SR500 48VAC/DC	Slimline relay 6 mm incl. socket, SPDT, 6 A, Push-in terminals, 48 VAC/DC	13.53	4549734135924
678039	G2RV-SR500-AP 230VAC	Slimline input relay 6 mm incl. socket, SPDT, 50 mA, Push-in terminals, 230 VAC	15.47	4549734135825
678038	G2RV-SR500-AP 24VAC/DC	Slimline input relay 6 mm incl. socket, SPDT, 50 mA, Push-in terminals, 24 VAC/DC	13.55	4549734135832
678007	G2RV-SR500-AP 24VDC	Slimline input relay 6 mm incl. socket, SPDT, 50 mA, Push-in terminals, 24 VDC	12.32	4549734135788
678017	G2RV-SR501 24VAC/DC	Slimline relay 6mm incl. socket, SPDT, 6 A, Push-in terminals, 24 VAC/DC, Test switch	13.97	4549734135948
678015	G2RV-SR501 24VDC	Slimline relay 6mm incl. socket, SPDT, 6 A, Push-in terminals, 24 VDC, Test switch	11.63	4549734135931
678020	G2RV-SR700 110VAC	Slimline relay 6 mm incl. socket, SPDT, 6 A, Screw terminals, 110 VAC	12.53	4549734136068
678006	G2RV-SR700 12VDC	Slimline relay 6 mm incl. socket, SPDT, 6 A, Screw terminals, 12 VDC	12.00	4549734136037
678040	G2RV-SR700 230VAC	Slimline relay 6 mm incl. socket, SPDT, 6 A, Screw terminals, 230 VAC	12.53	4549734136082
678013	G2RV-SR700 24VAC/DC	Slimline relay 6mm incl. socket, SPDT, 6 A, Screw terminals, 24 VAC/DC	12.08	4549734136099
678023	G2RV-SR700 24VDC	Slimline relay 6 mm incl. socket, SPDT, 6 A, Screw terminals, 24 VDC	12.00	4549734136044
678010	G2RV-SR700 48VAC/DC	Slimline relay 6 mm incl. socket, SPDT, 6 A, Screw terminals, 48 VAC/DC	12.06	4549734136105
678025	G2RV-SR700-AP 230VAC	Slimline input relay 6 mm incl. socket, SPDT, 50 mA, Screw terminals, 230 VAC	15.27	4549734136006
678026	G2RV-SR700-AP 24VAC/DC	Slimline input relay 6 mm incl. socket, SPDT, 50 mA, Screw terminals, 24 VAC/DC	14.23	4549734136013
678034	G2RV-SR700-AP 24VDC	Slimline input relay 6 mm incl. socket, SPDT, 50 mA, Screw terminals, 24 VDC	12.15	4549734135962
678016	G2RV-SR701 24VAC/DC	Slimline relay 6mm incl. socket, SPDT, 6 A, Screw terminals, 24 VAC/DC, test switch	11.25	4549734136129
678031	G2RV-SR701 24VDC	Slimline relay 6mm incl. socket, SPDT, 6 A, Screw terminals, 24 VDC, test switch	13.15	4549734136112

Short item number	Order code	Description	Price EUR	GTIN
670565	G2RV-1-S-AP-G 21VDC	Slimline input relay (6 mm width), SPDT, 50 mA, for replacement in G2RV-SR***-AP 24DC or 24 VAC/DC	5.29	4548583793736
670574	G2RV-1-S-G 21VDC	Relay, SPCO, 6 A contacts, for replacement in G2RV-SR*00 24DC or 24 VAC/DC	4.82	4548583793705
392551	G2RV-1-SI 21VDC	Slimline relay (6mm width), lockable test switch, SPDT, 6 A, for replacement in G2RV-SL701/501 24VDC or 24VAC/DC	5.15	4548583545649
670567	G2RV-1-SI-G 21VDC	Slimline relay (6 mm width), lockable test switch, SPDT, 6 A, for replacement in G2RV-SR701/501 24VDC or 24 VAC/DC	5.15	4548583793750
379395	P2RV-4-100C	G2RV interface cable for use between CJ1W-OD232/OD262 and 4 P2RV-8-O-F modules, 1 m	84.25	4548583493346
379396	P2RV-4-200C	G2RV interface cable for use between CJ1W-OD232/OD262 and 4 P2RV-8-O-F modules, 2 m	116.20	4548583493353
379407	P2RV-A100C	G2RV interface cable with flying leads for use with P2RV-8-O-F or P2RV-8-I-F module, 1 m	25.18	4548583493469
379416	P2RV-A100C-OMR NX	G2RV interface cable for use between NX-OD4256 and P2RV-8-O-F module, 1 m	37.63	4548583493551
379408	P2RV-A200C	G2RV interface cable with flying leads for use with P2RV-8-O-F or P2RV-8-I-F module, 2 m	25.18	4548583493476
670361	P2RVC-8-I-5-1	Interface unit for G2RV-SR/G3RV-SR Push-in, PLC Input, 8 channels, PNP, 30V AC/DC, Total 2A, Push-in	41.97	4548583798625
670364	P2RVC-8-I-7-1	Interface unit for G2RV-SR/G3RV-SR Screw, PLC Input, 8 channels, PNP, 30V AC/DC, Total 2A, Rising-up screw	41.15	4548583798632
670383	P2RVC-8-O-5-1	Interface unit for G2RV-SR/G3RV-SR Push-in, PLC Output, 8 channels, PNP, 30V AC/DC, Total 2A, Push-in	42.80	4548583798656
670355	P2RVC-8-O-7-1	Interface unit for G2RV-SR/G3RV-SR Screw, PLC Output, 8 channels, PNP, 30V AC/DC, Total 2A, Rising-up screw	42.37	4548583798663
670352	PYDN-6.2-020R	Accessory for G2RV-SR/G3RV-SR, Cross bar, 2 poles, Red color	2.88	4548583798458
670362	PYDN-6.2-020S	Accessory for G2RV-SR/G3RV-SR, Cross bar, 2 poles, Blue color	2.88	4548583798465
670350	PYDN-6.2-030R	Accessory for G2RV-SR/G3RV-SR, Cross bar, 3 poles, Red color	4.28	4548583798489
670378	PYDN-6.2-030S	Accessory for G2RV-SR/G3RV-SR, Cross bar, 3 poles, Blue color	4.28	4548583798496
670351	PYDN-6.2-030Y	Accessory for G2RV-SR/G3RV-SR, Cross bar, 3 poles, Yellow color	4.28	4548583798502
670365	PYDN-6.2-040R	Accessory for G2RV-SR/G3RV-SR, Cross bar, 4 poles, Red color	5.69	4548583798519
670368	PYDN-6.2-040S	Accessory for G2RV-SR/G3RV-SR, Cross bar, 4 poles, Blue color	5.69	4548583798526
670360	PYDN-6.2-100R	Accessory for G2RV-SR/G3RV-SR, Cross bar, 10 poles, Red color	5.94	4548583798540

Short item number	Order code	Description	Price EUR	GTIN
670379	PYDN-6.2-100S	Accessory for G2RV-SR/G3RV-SR, Cross bar, 10 poles, Blue color	5.94	4548583798557
670353	PYDN-6.2-100Y	Accessory for G2RV-SR/G3RV-SR, Cross bar, 10 poles, Yellow color	5.94	4548583798564
670349	PYDN-6.2-200R	Accessory for G2RV-SR/G3RV-SR, Cross bar, 20 poles, Red color	6.80	4548583798571
670371	PYDN-6.2-200S	Accessory for G2RV-SR/G3RV-SR, Cross bar, 20 poles, Blue color	6.80	4548583798588
670372	PYDN-6.2-200Y	Accessory for G2RV-SR/G3RV-SR, Cross bar, 20 poles, Yellow color	6.80	4548583798595

## G2R-\_-S

## Industrial plug-in relays

### Plug-in relay with enhanced features covers a wide range of applications

G2RS series, which comes as standard with a mechanical indicator and nameplate covering a wide range of interface applications. Optionally available with gold clad contacts and diode, whilst the socket and crossbar range offer maximum flexibility during installation.

- SPDT type 10A / DPDT type 5 A
- Mechanical Flag, LED indicator and momentary / lockable testbutton optional
- Transparent housing
- Screwless clamp terminal sockets available
- Space saving – 16 mm width (including sockets)



Short item number	Order code	Description	Price EUR	GTIN
103539	G2R-1-S 110VAC (S)	Relay, plug-in, SPDT, 10 A, mechanical indicator, 110 VAC	5.27	4536854936449
125430	G2R-1-S 12VDC (S)	Relay, plug-in, SPDT, 10 A, mechanical indicator, 12 VDC	3.98	4536854937149
163223	G2R-1-S 230VAC (S)	Relay, plug-in, 5-pin, SPDT, 10 A, mech indicator, label facility, 230 VAC	8.00	4536854936463
157868	G2R-1-S 24VAC (S)	Relay, plug-in, 5-pin, SPDT, 10 A, mech indicator, label facility, 24 VAC	4.76	4536854936432
146726	G2R-1-S 24VDC (S)	Relay, plug-in, 5-pin, SPDT, 10 A, mech indicator, label facility, 24 VDC	3.89	4536854937156
125342	G2R-1-SN 110VAC (S)	Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, label facility	8.37	4536854936517
204264	G2R-1-SN 12VAC (S)	Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, label facility, 12 VAC	7.27	4547648001137
125339	G2R-1-SN 12VDC (S)	Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, label facility	6.03	4536854937163
125344	G2R-1-SN 230VAC (S)	Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, label facility	11.61	4536854936531
142329	G2R-1-SN 240VAC (S)	Relay, plug-in, SPDT, 10 A, mech. & LED indicator, 240 VAC	10.88	4536854936555
155293	G2R-1-SN 24VAC (S)	Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, label facility	7.65	4536854936500
125340	G2R-1-SN 24VDC (S)	Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, label facility	6.03	4536854937170
125341	G2R-1-SNI 48VDC (S)	Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, label facility, 48 VDC	4.88	4536854936494
125351	G2R-1-SND 24VDC (S)	Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, coil suppressor, label facility	7.65	4536854937200
125352	G2R-1-SND 48VDC (S)	Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, coil suppressor, label facility	7.61	4536854936616
177299	G2R-1-SND-AP3 24VDC (S)	Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, coil suppressor, label facility, Au-plating	11.26	4547648000505
157870	G2R-1-SNDI 12VDC (S)	Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, coil suppressor, lockable test button, label facility, 12 VDC	8.71	4536854936722
125358	G2R-1-SNDI 24VDC (S)	Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, coil suppressor, lockable test button, label facility	8.00	4536854936739
171112	G2R-1-SNDI-AP3 24VDC (S)	Relay, plug-in, 5-pin, SPDT, 10 A gold plate contacts, mech & LED indicators, coil suppressor, lockable test button, label facility	8.00	4547648074704
142328	G2R-1-SNI 110VAC (S)	Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, lockable test button, label facility, 110 AC	8.37	4536854936678
152249	G2R-1-SNI 12VDC (S)	Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, lockable test button, label facility	6.12	4536854936630
152248	G2R-1-SNI 230VAC (S)	Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, lockable test button, label facility	10.53	4536854936692
156685	G2R-1-SNI 24VAC (S)	Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, lockable test button, label facility	7.65	4536854936661
154479	G2R-1-SNI 24VDC (S)	Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, lockable test button, label facility	6.12	4536854936647
125365	G2R-2-S 110VAC (S)	Relay, plug-in, DPDT, 5 A, mechanical indicator, 110 VAC	6.90	4536854936791
125361	G2R-2-S 12VDC (S)	Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator, label facility, 12 VDC	5.02	4536854937217
162371	G2R-2-S 230VAC (S)	Relay, plug-in, DPST, 10 A, mechanical indicator, 230 VAC	8.00	4536854936814
125367	G2R-2-S 240VAC (S)	Relay, plug-in, DPDT, 5 A, mechanical indicator, 240 VAC	10.16	4536854936821
125364	G2R-2-S 24VAC (S)	Relay, plug-in, DPDT, 5 A, mechanical indicator, 24 VAC	5.32	4536854936784
125362	G2R-2-S 24VDC (S)	Relay, plug-in, 8-pin, DPDT, 5 A, label facility, 24 VDC	4.95	4536854937224
125372	G2R-2-SN 110VAC (S)	Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, label facility, 110 VAC	9.08	4536854936883
191253	G2R-2-SN 110VDC (S)	Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, label facility, 110 VDC	12.00	4547648001380
157869	G2R-2-SN 120VAC (S)	Relay, plug-in, DPDT, 5 A, mech. & LED indicator, 120 VAC	11.61	4536854936890
193950	G2R-2-SN 12VAC (S)	Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, label facility, 12 VAC	9.08	4547648001229
125369	G2R-2-SN 12VDC (S)	Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, label facility, 12 VDC	6.52	4536854936845
125373	G2R-2-SN 230VAC (S)	Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, label facility, 230 VAC	12.35	4536854936906
154480	G2R-2-SN 240VAC (S)	Relay, plug-in, DPDT, 5 A, mech. & LED indicator, 240 VAC	11.61	4536854936913
125371	G2R-2-SN 24VAC (S)	Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, label facility, 24 VAC	10.53	4536854936876
143419	G2R-2-SN 24VDC (S)	Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, label facility, 24 VDC	6.52	4536854936852
125370	G2R-2-SN 48VDC (S)	Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, label facility, 48 VDC	6.52	4536854936869
177302	G2R-2-SN-AP3 230VAC (S)	Relay, plug-in, 8-pin, DPDT, 5 A, gold-plated contacts, LED indicator	18.51	4547648000710
177303	G2R-2-SN-AP3 24VDC (S)	Relay, plug-in, 8-pin, DPDT, 5 A, gold-plated contacts, LED indicator	11.26	4547648000727

Short item number	Order code	Description	Price EUR	GTIN
125377	G2R-2-SND 12VDC (S)	Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, coil suppressor, label facility, 12 VDC	8.71	4536854936982
105724	G2R-2-SND 24VDC (S)	Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, coil suppressor, label facility	9.08	4536854936999
145666	G2R-2-SND 48VDC (S)	Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, coil suppressor, label facility, 48 VDC	8.37	4536854937002
177300	G2R-2-SND-AP3 24VDC (S)	Relay, plug-in, 8-pin, DPDT, 5 A, gold-plated contacts, mech & LED indicators, coil suppressor, label facility	9.08	4547648000635
125290	G2R-2-SNDI 12VDC (S)	Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, coil suppressor, lockable test button, label facility, 12 VDC	9.08	4536854937118
125291	G2R-2-SNDI 24VDC (S)	Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, coil suppressor, lockable test button, label facility	8.71	4536854937125
171113	G2R-2-SNDI-AP3 24VDC (S)	Relay, plug-in, 8-pin, SPDT, 5 A, mech & LED indicators, coil suppressor, label test button, Au-plating	12.00	4547648074711
154482	G2R-2-SNI 110VAC (S)	Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, lockable test button, label facility	9.45	4536854937064
125379	G2R-2-SNI 12VDC (S)	Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, lockable test button, label facility, 12 VDC	6.90	4536854937026
125383	G2R-2-SNI 230VAC (S)	Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, lockable test button, label facility	14.19	4536854937088
125382	G2R-2-SNI 24VAC (S)	Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, lockable test button, label facility	6.90	4536854937057
125380	G2R-2-SNI 24VDC (S)	Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, lockable test button, label facility	6.90	4536854937033
183088	G2R-2-SNI 48VAC (S)	Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, lockable test button, label facility	9.08	4547648000406
171111	G2R-2-SNI-AP3 230VAC (S)	Relay, plug-in, DPDT (gold plated), 5 A, mech. & LED indicator, test button, 230 VAC	18.89	4547648074698

Short item number	Order code	Description	Price EUR	GTIN
378831	P2CM-ESS	Clip & release lever for P2RF-**-ESS socket (1 pc = 1 bag including 10 levers)	3.12	4548583488021
145976	P2CM-S	Clip for use with P2RF-S	0.28	4536854886522
151502	P2R-05P	Socket, back-connecting, 5-pin, PCB terminals	1.64	4536854742576
113545	P2R-08P	Socket, back-connecting, 8-pin, PCB terminals	2.03	4536854742569
113336	P2RM-SB	Socket bridge (for use with P2RF_S)	25.43	4536854894480
103463	P2RM-SR	Socket bridge (for use with P2RF_S)	26.16	4536854894473
147906	PPF-M	End plate	1.96	4536853722715
379324	PYC-TR	Name plate for P2RF-**-ESS socket (1 pc = 1 bag including 10 plates)	2.37	4547648969277

### A miniature power relay



The LY series is equipped with arc barrier and built-in diode. LY comes in single-, double-, three- and four-pole models. The available mounting types are DIN-rail by socket, PCB & flange mounting.

- SPDT, DPDT, 3PDT and 4PDT contact types
- DIN-rail by socket, PCB and flange mounting types available
- 10A rated load

Short item number	Order code	Description	Price EUR	GTIN
116888	LY1 24VDC	Relay, plug-in, 5-pin, SPDT, 15 A, 24 VDC	4.87	4536853605544
116875	LY1N-D2 24VDC	Relay, plug-in, 5-pin, SPDT, 15 A, LED indicator, coil suppression, 24 VDC	13.46	4536853604868
144278	LY2 100/110VAC	Relay, plug-in, 8-pin, DPDT, 10 A, 100/110 VAC	5.56	4536853611439
153006	LY2 100/110VDC	Relay, plug-in, 8-pin, DPDT, 10 A, 100/110 VDC	6.02	4536853611545
116738	LY2 110/120VAC	Relay, plug-in, 8-pin, DPDT, 10 A, 110/120 VAC	5.56	4536853611446
153005	LY2 12VAC	Relay, plug-in, 8-pin, DPDT, 10 A, 12 VAC	5.56	4536853611378
116741	LY2 12VDC	Relay, plug-in, 8-pin, DPDT, 10 A, 12 VDC	5.56	4536853611491
116739	LY2 200/220VAC	Relay, plug-in, DPDT, 10 A, 200/220 VAC	6.02	4536853611460
154980	LY2 220/240VAC	Relay, plug-in, 8-pin, DPDT, 10 A, 220/240 VAC	6.02	4536853611477
150789	LY2 24VAC	Relay, plug-in, 8-pin, DPDT, 10 A, 24 VAC	5.56	4536853611385
116742	LY2 24VDC	Relay, plug-in, 8-pin, DPDT, 10 A, 24 VDC	5.56	4536853611507
103958	LY2 48VDC	Relay, plug-in, 8-pin, DPDT, 10A, 48 VDC	5.56	4536853611521
116633	LY2-0 24VDC	Relay, PCB pins, 8-pin, DPDT, 10 A, 24 VDC	5.92	4536853615284
116787	LY2-D 24VDC	Relay, plug-in, 8-pin, DPDT, 10 A, coil suppression, 24 VDC	12.26	4536853608477
116656	LY2F 220/240VAC	Relay, Flange mount, plug-in, 8-pin, DPDT, 10 A, 220/240 VAC	6.54	4536853611668
116681	LY2I4N 110/120VAC	Relay, plug-in, 8-pin, DPDT, 10 A, LED indicator, test button	6.91	4536853612672
116682	LY2I4N 220/240VAC	Relay, plug-in, 8-pin, DPDT, 10 A, LED indicator, test button	7.29	4536853612702
103143	LY2I4N 24VAC	Relay, plug-in, 8-pin, DPDT, 10 A, LED indicator, test button	6.91	4536853612719
157562	LY2I4N 24VDC	Relay, plug-in, 8-pin, DPDT, 10 A, LED indicator, test button	6.91	4536853612757
150790	LY2N 100/110VAC	Relay, plug-in, 8-pin, DPDT, 10 A, LED indicator, 100/110 VAC	6.70	4536853612399
116664	LY2N 220/240VAC	Relay, plug-in, 8-pin, DPDT, 10 A, LED indicator, 220/240 VAC	10.39	4536853612429
149665	LY2N 24VDC	Relay, plug-in, 8-pin, DPDT, 10 A, LED indicator, 24 VDC	9.20	4536853612450
150062	LY2N-CR 220/240VAC	Relay, plug-in, DPDT, 10 A, LED indicator, RC circuit, 220/240 VAC	20.73	4536853609542
156651	LY2N-D2 24VDC	Relay, plug-in, 8-pin, DPDT, 10 A, LED indicator, coil suppressor	14.99	4536853608811
103960	LY4 100/110VAC	Relay, plug-in, 14-pin, 4PDT, 10 A, 100/110 VAC	10.75	4536853621063
116452	LY4 100/110VDC	Relay, plug-in, 14-pin, 4PDT, 10 A, 100/110 VDC	11.15	4536853621186
116448	LY4 12VDC	Relay, plug-in, 14-pin, 4PDT, 10 A, 12 VDC	10.75	4536853621124
116367	LY4 230VAC	Relay, plug-in, 14-pin, 4PDT, 10 A, 230 VAC	11.15	4536853621605
116441	LY4 24VAC	Relay, plug-in, 14-pin, 4PDT, 10 A, 24 VAC	10.75	4536853621025
116449	LY4 24VDC	Relay, plug-in, 14-pin, 4PDT, 10 A, 24 VDC	10.75	4536853621131
143117	LY4 48VDC	Relay, plug-in, 14-pin, 4PDT, 10 A, 48 VDC	10.75	4536853621162
116395	LY4I4N 110/120VAC	Relay, plug-in, 14-pin, 4PDT, 10 A, LED indicator, test button	12.26	4536853621940
103147	LY4I4N 230VAC	Relay, plug-in, 14-pin, 4PDT, 10 A, LED indicator, test button	12.69	4536853621971
116399	LY4I4N 24VDC	Relay, plug-in, 14-pin, 4PDT, 10 A, LED indicator, test button	11.90	4536853622039
145374	LY4N 100/110VAC	Relay, plug-in, 14-pin, 4PDT, 10 A, LED indicator, 100/110 VAC	11.90	4536853621698
116375	LY4N 200/220VAC	Relay, plug-in, 14-pin, 4PDT, 10 A, LED indicator, 200/220 VAC	12.69	4536853621728
116382	LY4N 24VDC	Relay, plug-in, 14-pin, 4PDT, 10 A, LED indicator, 24 VDC	11.90	4536853621797
155264	LY4N-D2 100/110VDC	Relay, plug-in, 4PDT, 10 A, LED indicator, diode, 100/110 VDC	17.95	4536853620578
153315	LY4N-D2 24VDC	Relay, plug-in, 14-pin, 4PDT, 10 A, LED indicator, coil suppressor, 24 VDC	21.89	4536853620509

Short item number	Order code	Description	Price EUR	GTIN
113372	PT14-0	Socket, back-connecting, 14-pin, PCB terminals	3.05	4536853724443
113374	PTF08A	Socket, DIN rail/surface mounting, 8-pin, screw terminal (plate clamp)	5.10	4536853724573
113375	PTF11A	Socket, DIN rail/surface mounting, 11-pin, screw terminals	7.69	4536853724580
113378	PTF14A-E	Socket, DIN rail/surface mounting, 14-pin, screw terminals	7.69	4536853724672



Exceptionally reliable general-purpose relay



The MK(S) series has proven to be exceptionally reliable since its introduction almost 50 years ago. In order to provide the same easy testing as our other relay families, the MK-S is equipped with a lockable test button offering the same function/operation as the MY(S) and G2R(S) families.

- 8-pin DPDT and 11-pin 3PDT contact types
- Switching current up to 10 A
- Lockable test button for easy testing
- Temperature rating from -40C up to 60C

Short item number	Order code	Description	Price EUR	GTIN
376281	MKS2P 110VAC	Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator	11.78	4547648413046
376285	MKS2P 230VAC	Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator	9.32	4547648413084
376278	MKS2P 24VAC	Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator	10.29	4547648413015
376289	MKS2P 24VDC	Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator	8.67	4547648413121
376681	MKS2PI 110VAC	Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator, test button	8.81	4547648413893
376677	MKS2PI 12VAC	Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator, test button	8.67	4547648413855
376688	MKS2PI 12VDC	Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator, test button	10.14	4547648413961
376685	MKS2PI 230VAC	Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator, test button	9.29	4547648413930
376678	MKS2PI 24VAC	Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator, test button	8.62	4547648413862
376689	MKS2PI 24VDC	Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator, test button	8.67	4547648413978
376766	MKS2PIN 110VAC	Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicator, test button	9.95	4547648440868
376770	MKS2PIN 230VAC	Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicator, test button	10.55	4547648440905
376763	MKS2PIN 24VAC	Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicator, test button	11.77	4547648440837
376774	MKS2PIN 24VDC	Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, latchable test button, 24 VDC	9.81	4547648440943
376374	MKS2PN 24VDC	Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicator	9.81	4547648437790
376319	MKS3P 230VAC	Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator	10.77	4547648413428
376323	MKS3P 24VDC	Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator	9.89	4547648413466
376349	MKS3P-5 110VAC	Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator	10.00	4547648413725
376353	MKS3P-5 230VAC	Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator	10.77	4547648413763
376346	MKS3P-5 24VAC	Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator	9.89	4547648413695
376357	MKS3P-5 24VDC	Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator	9.45	4547648413800
376719	MKS3PI 230VAC	Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator, test button	9.75	4547648414272
376723	MKS3PI 24VDC	Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator, test button	9.89	4547648414319
376749	MKS3PI-5 110VAC	Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator, test button	9.57	4547648414579
376760	MKS3PI-5 110VDC	Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator, test button	10.55	4547648414685
376745	MKS3PI-5 12VAC	Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator, test button	9.89	4547648414531
376756	MKS3PI-5 12VDC	Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator, test button	9.72	4547648414647
376753	MKS3PI-5 230VAC	Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator, test button	10.05	4547648414616
376746	MKS3PI-5 24VAC	Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator, test button	9.68	4547648414548
376757	MKS3PI-5 24VDC	Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator, test button	9.64	4547648414654
377095	MKS3PI-5 48VAC	Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator, test button	13.68	4547648767538
376758	MKS3PI-5 48VDC	Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator, test button	10.60	4547648414661
376902	MKS3PI-D-5 24VDC	Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator, test button, coil suppression	10.56	4547648442220
376804	MKS3PIN 230VAC	Relay, plug-in, 11-pin, 3PDT, 10 A, mech & LED indicator, test button	11.94	4547648441247
376808	MKS3PIN 24VDC	Relay, plug-in, 11-pin, 3PDT, 10 A, mech & LED indicator, test button	11.04	4547648441285
376834	MKS3PIN-5 110VAC	Relay, plug-in, 11-pin, 3PDT, 10 A, mech & LED indicator, test button	11.15	4547648441544
376841	MKS3PIN-5 12VDC	Relay, plug-in, 11-pin, 3PDT, 10 A, mech & LED indicator, test button	13.24	4547648441612
376838	MKS3PIN-5 230VAC	Relay, plug-in, 11-pin, 3PDT, 10 A, mech & LED indicator, test button	11.44	4547648441582
376831	MKS3PIN-5 24VAC	Relay, plug-in, 11-pin, 3PDT, 10 A, mech & LED indicator, test button	11.04	4547648441513
376842	MKS3PIN-5 24VDC	Relay, plug-in, 11-pin, 3PDT, 10 A, mech & LED indicator, test button	10.98	4547648441629
377017	MKS3PIN-D-5 24VDC	Relay, plug-in, 11-pin, 3PDT, 10 A, mech & LED indicator, test button, coil suppression	11.54	4547648443371

Short item number	Order code	Description	Price EUR	GTIN
382988	PF083A-D	Socket, DIN rail/surface mounting, 8-pin, screw terminals (box clamp)	5.01	4547648973458
333396	PF083A-E	Socket, DIN rail/surface mounting, 8-pin, screw terminals (standard)	2.84	4547648825917
148890	PF085A(N)	Socket, DIN rail/surface mounting, 8-pin, screw terminals	5.24	4536853723064
382989	PF113A-D	Socket, DIN rail/surface mounting, 11-pin, screw terminals (box clamp)	4.59	4547648973465
333397	PF113A-E	Socket, DIN rail/surface mounting, 11-pin, screw terminals (standard)	2.87	4547648825931
382990	PF113A-N	Socket, DIN rail/surface mounting, 11-pin, screw terminals (IEC/VDE).	6.43	4547648973472
113525	PFC-A1	Retaining clips for MK relay & PF*-AE sockets	0.87	4536853723156
113514	PPF-50N	Din rail track, 500 mm	11.70	4536853722708
148889	PPF-S	Spacer	1.16	4536853722722
113440	PL08	Socket, back-connecting, 8-pin, solder terminals	2.13	4536853723903





## Best-selling, general-purpose relays that can be selected based on operating environment and application

MY family has as standard feature on all models\* like: transparent cover, mechanical indicator to easily check the contacts status and the LED not only to indicate the correct operation of the relay, but also to immediately identify the coil voltage type: red LED for AC coil and green LED for DC coil

Less temperature increase thanks to the 2.6 mm wide pins which offer a higher conductivity. Selection is possible to suit the application, such as models with operation indicators and models with latching levers (MY plug-in terminals).

Wiring work can be shortened by as much as 60%\*\* compared to conventional screw terminal sockets. Combining the MY with the push-in plus terminal sockets (PYF-[]-PU) the light insertion force permits to reduce the wiring time.

\* Special models are excluded

\*\* When both push-in plus terminals and screw terminal sockets are combined with plug-in terminal types

Short item number	Order code	Description	Price EUR	GTIN
151180	MY2 110/120VAC (S)	Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator, label facility, 110/120 VAC	5.43	4536854362828
114080	MY2 12VAC (S)	Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator, label facility, 12 VAC	5.33	4536854362798
114082	MY2 12VDC (S)	Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator, label facility, 12 VDC	5.15	4536854362859
114081	MY2 220/240VAC (S)	Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator, label facility	5.57	4536854362835
103514	MY2 24VAC (S)	Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator, label facility	5.36	4536854362804
114083	MY2 24VDC (S)	Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator, label facility	5.15	4536854362866
153319	MY2 48/50VAC (S)	Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator, label facility, 48/50 VAC	5.40	4536854362811
114084	MY2 48VDC (S)	Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator, label facility, 48 VDC	5.29	4536854362873
155266	MY2IN 100/110VDC (S)	Relay, plug-in, DPDT, 10 A, mech. & LED indicator, test button, 100/110 VDC (A2 '+')	7.03	4536854363177
114101	MY2IN 110/120VAC (S)	Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, test button, label facility	6.25	4536854363115
156657	MY2IN 12VAC (S)	Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, lockable push to test button, label facility, 12 VAC	6.10	4536854363085
114103	MY2IN 12VDC (S)	Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, lockable push to test button, label facility	6.10	4536854363146
156658	MY2IN 220/240VAC (S)	Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, lockable push to test button, label facility	7.03	4536854363122
114099	MY2IN 24VAC (S)	Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, test button, label facility	6.10	4536854363092
153320	MY2IN 24VDC (S)	Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, lockable push to test button, label facility	6.10	4536854363153
114100	MY2IN 48/50VAC (S)	Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, lockable push to test button, label facility	6.10	4536854363108
114104	MY2IN 48VDC (S)	Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, lockable push to test button, label facility	6.28	4536854363160
114020	MY2IN1 24VDC (S)	Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, lockable push to test button, label facility, reversed polarity	6.10	4536854363320
154452	MY2IN1-D2 24VDC (S)	Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, coil suppressor, lockable push to test button, label facility, 24 VDC	9.94	4536854363429
114013	MY2IN-CR 220/240VAC (S)	Relay, plug-in, DPDT, 10 A, mech. & LED indicator, test button, RC circuit, 220/240 VAC	8.15	4536854363245
143510	MY2IN-D2 24VDC (S)	Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, coil suppressor, lockable push to test button, label facility, 24 VDC	9.94	4536854363207
114089	MY2N 110/120VAC (S)	Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, label facility, 110/120 VAC	5.93	4536854362934
156656	MY2N 12VDC (S)	Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, label facility, 12 VDC	5.73	4536854362965
114090	MY2N 220/240VAC (S)	Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, label facility, 220/240 VAC	6.66	4536854362941
104348	MY2N 24VAC (S)	Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, label facility, 24 VAC	5.73	4536854362910
103515	MY2N 24VDC (S)	Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, label facility, 24 VDC	5.73	4536854362972
142429	MY2N-CR 110/120VAC (S)	Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, coil suppressor, label facility, 110/120 VAC	11.12	4536854363054
114098	MY2N-CR 220/240VAC (S)	Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, coil suppressor, label facility	11.53	4536854363061
114095	MY2N-D2 24VDC (S)	Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, coil suppressor, label facility, 24 VDC	8.75	4536854363023
114033	MY4 100/110VDC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech indicator, label facility, 100/110 VDC	6.69	4536854363559
145767	MY4 110/120VAC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech indicator, label facility, 110/120 VAC	6.39	4536854363498
145768	MY4 125VDC (S)	Relay, plug-in, 4PDT, 5 A, mechanical indicator, 125 VDC	7.47	4536854485824
114028	MY4 12VAC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech indicator, label facility, 12 VAC	6.28	4536854363467
114031	MY4 12VDC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech indicator, label facility, 12 VDC	6.10	4536854363528
147900	MY4 220/240VAC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech indicator, label facility	6.50	4536854363504
103517	MY4 24VAC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech indicator, label facility	6.23	4536854363474
157842	MY4 24VDC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech indicator, label facility	6.09	4536854363535
114029	MY4 48/50VAC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech indicator, label facility, 48/50 VAC	6.35	4536854363481
114032	MY4 48VDC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech indicator, label facility, 48 VDC	6.25	4536854363542
114054	MY4IN 100/110VDC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, lockable push to test button, label facility, 100/110 VDC	7.92	4536854363849
114050	MY4IN 110/120VAC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, test button, label facility	7.13	4536854363788
114047	MY4IN 12VAC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, lockable push to test button, label facility, 12 VAC	7.13	4536854363757
114053	MY4IN 12VDC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, lockable push to test button, label facility	7.13	4536854363818
114051	MY4IN 220/240VAC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, lockable push to test button, label facility	7.92	4536854363795
114048	MY4IN 24VAC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, test button, label facility	7.13	4536854363764
152216	MY4IN 24VDC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, lockable push to test button, label facility	7.13	4536854363825
114049	MY4IN 48/50VAC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, lockable push to test button, label facility	7.13	4536854363771

Short item number	Order code	Description	Price EUR	GTIN
103518	MY4IN 48VDC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, lockable push to test button, label facility	7.13	4536854363832
113970	MY4IN1 100/110VDC (S)	Relay, plug-in, 14-pin, 4PDT, reverse coil polarity, 5 A, mech & LED indicators, lockable push to test button, label facility, 100/110 VDC	7.92	4536854364013
143511	MY4IN1 24VDC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, lockable push to test button, label facility, reversed polarity	7.13	4536854363993
113975	MY4IN1-D2 24VDC (S)	Relay, plug-in, 14-pin, 4PDT, reverse coil polarity, 5 A, mech & LED indicators, coil suppressor, lockable push to test button, label facility, 24 VDC	10.73	4536854364099
142432	MY4IN-CR 110/120VAC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, coil suppressor, lockable push to test button, label facility, 100/120 VAC	8.79	4536854363900
113963	MY4IN-CR 220/240VAC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, coil suppressor, lockable push to test button, label facility, 220/240 VAC VDC	15.86	4536854363917
114056	MY4IN-D2 12VDC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, coil suppressor, lockable push to test button, label facility, 12 VDC	10.73	4536854363863
146835	MY4IN-D2 24VDC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, coil suppressor, lockable push to test button, label facility, 24 VDC	10.73	4536854363870
150066	MY4N 100/110VDC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, label facility, 100/110 VDC	7.54	4536854363665
155268	MY4N 110/120VAC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, label facility, 110/120 VAC	6.93	4536854363603
114039	MY4N 12VDC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, label facility, 12 VDC	6.76	4536854363634
147901	MY4N 220/240VAC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, label facility, 220/240 VAC	7.54	4536854363610
114036	MY4N 24VAC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, label facility, 24 VAC	6.76	4536854363580
114040	MY4N 24VDC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, label facility, 24 VDC	6.76	4536854363641
113966	MY4N1 24VDC (S)	Relay, plug-in, 14-pin, 4PDT, reverse coil polarity, 5 A, mech & LED indicators, label facility, 24 VDC	9.15	4536854363948
114044	MY4N-CR 110/120VAC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, coil suppressor, label facility, 110/120 VAC	11.89	4536854363726
114045	MY4N-CR 220/240VAC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, coil suppressor, label facility, 220/240 VAC	12.69	4536854363733
154453	MY4N-D2 12VDC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, coil suppressor, label facility, 12 VDC	9.94	4536854363689
144683	MY4N-D2 24VDC (S)	Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, coil suppressor, label facility, 24 VDC	9.53	4536854363696
113980	MY4Z 24VDC (S)	Relay, plug-in, 14-pin, bifurcated contacts, 4PDT, 5 A, mech indicator, label facility, 24 VDC	11.12	4536854364204
113986	MY4ZN 220/240VAC (S)	Relay, plug-in, 4PDT (bifurcated), 3 A, mech. + LED indicator, 220/240 VAC	13.88	4536854364280
113987	MY4ZN 24VDC (S)	Relay, plug-in, 14-pin, 4PDT, bifurcated contacts, 5 A, mech & LED indicators, label facility, 24 VDC	13.10	4536854364310
114005	MY4ZN-D2 24VDC (S)	Relay, plug-in, 14-pin, 4PDT, bifurcated contacts, 5 A, mech & LED indicators, coil suppressor label facility, 24 VDC	15.86	4536854364570

Short item number	Order code	Description	Price EUR	GTIN
104360	PY08-02	Socket, back-connecting, 8-pin, PCB terminals	1.39	4536853725693
113299	PY14	Socket, back-connecting, 14-pin, solder terminals	1.80	4536853725334
149949	PY14-02	Socket, back-connecting, 14-pin, PCB terminals	1.80	4536853725617
383002	PYC-0	Metal retaining clip (wire sprig clip) for use with PYF14-ESN/ESS (for use with relays only).Sold in multiples of 10 per package, not available separately	2.77	4547648973595
371504	PYC-35-B	Hold-down clip, plastic, for PYF14-ESS-B/-ES-B, sold in multiples of 10 per package	4.25	4547648942225
113324	PYC-A1	Retaining clips for LY/MY relay & PTF/PYF_E/N socket	0.37	4536853726171
156669	PYC-E1	Retaining clips for MY2IN(S) relay & PYF_E/N socket	0.45	4536854382406
157441	PYCM-08S	Clip and release lever for PYF08S socket	0.28	4536854750793
142635	PYCM-14S	Clip and release lever for PYF14S socket	0.41	4536854750816
154464	PYC-P	Retaining clip for LY/MY relay & PT/PY socket	0.22	4536853726058
659477	PYC-TR1	Labels for PYF14-ESN/ESS sockets. (1 pc = 1 bag including 10 labels)	1.57	4548583953093



### DC-switching relay that can switch 220 VDC, 10 A (resistive load)

The MK-S(X) is the smallest relay in the world that can switch 220VDC 10A resistive load. Applications include the safe and reliable switching of valves, solenoids, contactor coils and other instances where high resistive loads are encountered.

- Suitable for DC-switching
- DC load switching up to 10 A; 220 VDC (resistive load)
- AC load models are capable of switching up to 15 A; 250 VAC (resistive load)
- SPST-NO/SPST-NC contact form enables contact welding detection
- Lockable test button for easy testing

Short item number	Order code	Description	Price EUR	GTIN
367822	MKS1XTIN-10 24VDC	Relay for DC load, 5-pin plug-in, 10 A, 220 VDC, SPST-NO, LED indicator, lockable test button	21.98	4548583310315



### A high-capacity multi-pole relay used like a contactor

With a rated load current of 25A due to the miniature hinge for maximum switching power, the G7J can switch both motor loads as well as resistive and inductive loads. G7J has no contact chattering for momentary voltage drops up to 50% of its rated voltage.

- 4PST-NO, 3PST-NO / SPST-NC or DPST-NO / DPST-NC contact types
- Quick-connect, PCB or screw terminals
- 25A rated load
- Compatible with momentary voltage drops
- Can be used like a contactor

Short item number	Order code	Description	Price EUR	GTIN
121804	G7J-3A1B-B 24VDC	Power Relay, 3PST-NO/SPST-NC, W-bracket mounting, 25 A, 24 VDC	19.91	4536853475390
149737	G7J-3A1B-P 24VDC	Power relay, PCB mounting, 3PST-NO/SPST-NC, 25 A, 24 VDC	20.70	4536853475239
377176	G7J-4A-B 24VDC	Power Relay, 4PST-NO, screw terminal, 24 VDC	23.54	4547648393706
121790	G7J-4A-P 24VDC	Power relay, PCB mounting, 4PST-NO, 25 A, 24 VDC	24.50	4536853475215
151903	G7J-4A-T 200/240VAC	Power relay, W-bracket mounting, quick connect terminals, 4PST-NO, 25 A, 200/240 VAC	24.10	4536853476090
121829	G7J-4A-T 24VDC	Power relay, W-bracket mounting, quick connect terminals, 4PST-NO, 25 A, 24 VDC	23.63	4536853476144



### Multi-pole power relay

A high-capacity, high-dielectric-strength relay compatible with momentary voltage drops. G7L is equipped with a double-break mechanism and a test button (excluding -P models).

- SPST-NO or DPST-NO contact types
- Quick connect, PCB or screw terminals
- 20, 25 or 30A rated load
- Compatible with momentary voltage drops
- Wide range of applications with 100 or 200V coils

Short item number	Order code	Description	Price EUR	GTIN
112515	R99-04 FOR G5F	Surface mounting W-bracket for G7J relay	0.82	4536853729486



### Compact 160 Amp Power Relay

G7Z series provides a compact, cost efficient solution for applications such as inverters, UPS, solar and fuel-cell battery circuits. Relay in combination with auxiliary contact block meets EN 60947-4-1. Coil ratings are available in 12 and 24 VDC. Power consumption is less than 4 watts.

- Switching current 160 A (40 A rating / 4-pole / IEC-AC1)
- Switching voltage 440 VAC
- Safety function with mirror contacts in various configurations
- Power consumption less than 4 Watts
- Low Switching Noise (70 dB)

Short item number	Order code	Description	Price EUR	GTIN
351605	G7Z-4A 24VDC	Power relay, 40 A, 4PST-NO	66.30	4547648298964



### Push-In Plus technology sockets

Sockets with Push-In Plus technology to save work added to series for MY and G2R-S relays

- Push-In Plus technology is used to save wiring work in comparison with traditional screw terminals
- No screw loosening means maintenance-free application
- Light insertion force and strong pull-out strength to achieve both less wiring work and high reliability
- 'Hand-free' structure that holds an inserted screwdriver to achieve easier wiring work for stranded wires
- Two wires can be independently inserted into each terminal hole
- DIN Track mounting or screw mounting

Short item number	Order code	Description	Price EUR	GTIN
113538	P2RF-05-E	Socket, DIN rail/surface mounting, 5-pin, screw terminals	3.99	4536854742316
378829	P2RF-05-ESS	G2RS socket, 1-pole, DIN-rail/surface-mounting, screw (box type)	4.18	4548583488007
113546	P2RF-05-S	Socket, DIN rail/surface mounting, 5-pin, screwless terminals	4.40	4536854883453
113543	P2RF-08	Socket, DIN rail/surface mounting, 8-pin, screw terminals	9.86	4536854742514
113539	P2RF-08-E	Socket, DIN rail/surface mounting, 8-pin, screw terminals	6.36	4536854742323
378830	P2RF-08-ESS	G2RS socket, 2-pole, DIN-rail/surface-mounting, screw (box type)	3.93	4548583488014
113547	P2RF-08-S	Socket, DIN rail/surface mounting, 8-pin, screwless terminals	7.00	4536854883460
168907	PYF08A-E	Socket, DIN rail/surface mounting, 8-pin, screw terminals (standard)	4.17	4547648009195
168910	PYF08A-N	Socket, DIN rail/surface mounting, 8-pin, screw terminals (IEC/VDE)	3.96	4547648009232
113312	PYF08S	Socket, DIN rail mounting, 8-pin, screwless terminals	4.01	4536854750762
154463	PYF11A	Socket, DIN rail/surface mounting, 11-pin, screw terminals	7.10	4536853725594
168908	PYF14A-E	Socket, DIN rail/surface mounting, 14-pin, screw terminals (standard)	6.13	4547648009218
168911	PYF14A-N	Socket, DIN rail/surface mounting, 14-pin, screw terminals (IEC/VDE)	4.40	4547648009256
371508	PYF14-ESN-B	Socket, with common and coil terminals on the bottom and with the NC & NO terminal on the top - Black.	3.81	4547648942263
371510	PYF14-ESS-B	Socket, with common, NC & NO terminals at the top and the coil terminals at the bottom - Black	4.32	4547648942287
113313	PYF14S	Socket, DIN rail mounting, 14-pin, screwless terminals	4.82	4536854750786

Short item number	Order code	Description	Price EUR	GTIN
670377	PYDN-15.5-080R	Accessory for PYF-PU, 15.5mm pitch, 8 Poles, Red color	5.74	4548583798304
670366	PYDN-15.5-080S	Accessory for PYF-PU, 15.5mm pitch, 8 Poles, Blue color	5.74	4548583798311
670356	PYDN-15.5-080Y	Accessory for PYF-PU, 15.5mm pitch, 8 Poles, Yellow color	5.74	4548583798328
670348	PYDN-31.0-080R	Accessory for PYF-PU, 31mm pitch, 8 Poles, Red color	6.68	4548583798274
670363	PYDN-31.0-080S	Accessory for PYF-PU, 31mm pitch, 8 Poles, Blue color	6.68	4548583798281
670373	PYDN-7.75-020S	Accessory for PYF-PU/P2RF-PU, 7.75mm pitch, 2 Poles, Blue color	3.72	4548583798342
670384	PYDN-7.75-040R	Accessory for PYF-PU/P2RF-PU, 7.75mm pitch, 4 Poles, Red color	5.74	4548583798397
670358	PYDN-7.75-040S	Accessory for PYF-PU/P2RF-PU, 7.75mm pitch, 4 Poles, Blue color	5.74	4548583798403
670374	PYDN-7.75-200R	Accessory for PYF-PU/P2RF-PU, 7.75mm pitch, 20 Poles, Red color	6.86	4548583798427
670359	PYDN-7.75-200S	Accessory for PYF-PU/P2RF-PU, 7.75mm pitch, 20 Poles, Blue color	6.86	4548583798434
670382	PYDN-7.75-200Y	Accessory for PYF-PU/P2RF-PU, 7.75mm pitch, 20 Poles, Yellow color	6.86	4548583798441

## Additional relay sockets

## Relay sockets

Short item number	Order code	Description	Price EUR	GTIN
113518	14PFA	Socket, DIN rail/surface mounting, 14-pin, screw terminals	9.96	4536853722777
113516	8PFA	Socket, DIN rail/surface mounting, 8-pin, screw terminals	4.53	4536853722746
113517	8PFA1	Socket, DIN rail/surface mounting, 8-pin, screw terminals	4.78	4536853722753
113612	P2CF-08-E	Socket, DIN rail/surface mounting, 8-pin, screw terminals	7.58	4536854821103
113613	P2CF-11-E	Socket, DIN rail/surface mounting, 11-pin, screw terminals	9.74	4536854821004
142420	P3G-08	Socket, back-connecting, 8-pin, screw terminals	8.14	4536854821035
120939	P3GA-11	Socket, back-connecting, 11-pin, screw terminals	10.36	4536854821141
377102	P7MF-06-D	Socket, DIN rail/surface for 1- and 2-pole MK-S_X/T relays, with built-in diode	9.78	4547648737036

Short item number	Order code	Description	Price EUR	GTIN
382985	PES-35	Socket, DIN rail/surface mounting, 5-pin, screw terminals, for G2R-1 PCB relay	3.11	8020028273509
382986	PES-50	Socket, DIN rail/surface mounting, screw terminals	5.32	8020028273592
382987	PES50/3	Socket, DIN rail/surface mounting, 8-pin, screw terminals, for G2R-2 PCB relay	3.75	8020028274919

## Additional relays

## Additional relays

Short item number	Order code	Description	Price EUR	GTIN
143184	G78-16-P2RF-E	Relay common busbar for 16x P2RF socket base	5.05	4536853484668
377103	P7TF-05	Socket, DIN rail/surface mounting, 5-pin, screw terminals	11.02	4536854793455





### Industrial 6 mm “slim” SSR

As well as being slim and thus saving panel space, G3RV relays are very strong, have a large contact area and non-bendable pins. Connection to a PLC is easy and achieved faultlessly in a few seconds via click connectors. In addition, power switching in G3RV relays with DC outputs is managed by a MOSFET in the output, which has ideal heat dissipation characteristics.

- G2RV compatible
- LED indicator built in SSR
- Push-in plus technology and accessories for easy wiring

Short item number	Order code	Description	Price EUR	GTIN
323541	G3RV-202S 24VDC	Slim solid state relay, plug-in, 5-pin, 2A, 75-264VAC	19.97	4547648741071
323547	G3RV-D03SL 24VDC	Slim solid state relay, plug-in, 5-pin, 3 A, 5 - 24 VDC	17.66	4547648741132
669868	G3RV-SR500-A 24VAC/DC	Slimline SSR 6mm, incl. socket, AC output TRIAC, 2A, Push-in terminals, 24V AC/DC, Zero-cross	33.87	4548583797819
669922	G3RV-SR500-A 24VDC	Slimline SSR 6mm, incl. socket, AC output TRIAC, 2 A, Push-in terminals, 24VDC, Zero-cross	33.87	4548583797765
669860	G3RV-SR500-D 24VAC/DC	Slimline SSR 6mm, incl. socket, DC output MOSFET, 3A, Push-in terminals, 24V AC/DC	34.28	4548583797734
669870	G3RV-SR500-D 24VDC	Slimline SSR 6mm, incl. socket, DC output MOSFET, 3A, Push-in terminals, 24V DC	33.30	4548583797680
669907	G3RV-SR700-A 230VAC	Slimline SSR 6mm, incl. socket, AC output TRIAC, 2A, Screw terminals, 230V AC, Zero-cross	39.00	4548583798045
669916	G3RV-SR700-A 24VAC/DC	Slimline SSR 6mm, incl. socket, AC output TRIAC, 2A, Screw terminals, 24V AC/DC, Zero-cross	33.77	4548583798052
669865	G3RV-SR700-A 24VDC	Slimline SSR 6mm, incl. socket, AC output TRIAC, 2A, Screw terminals, 24V DC, Zero-cross	32.88	4548583798007
669892	G3RV-SR700-D 12VDC	Slimline SSR 6mm, incl. socket, DC output MOSFET, 3A, Screw terminals, 12V DC	33.83	4548583797918
669894	G3RV-SR700-D 24VAC/DC	Slimline SSR 6mm, incl. socket, DC output MOSFET, 3A, Screw terminals, 24V AC/DC	34.24	4548583797970
669919	G3RV-SR700-D 24VDC	Slimline SSR 6mm, incl. socket, DC output MOSFET, 3A, Screw terminals, 24V DC	32.48	4548583797925



### Compact SSR for I/O interface with high dielectric strength requirements

High-speed models with optimum input ratings for a variety of sensors are available, as well as input and output modules that can be used instead of the G2RS. Use a coupler conforming to VDE 0884 and assuring an I/O dielectric strength of 4,000V.

- 1.5 and 2A output current
- 5 to 200VDC/100 to 240VAC output voltages
- Compatible with G2RS electromechanical relays
- DIN-rail mounting via sockets
- Operation indicator to confirm input

Short item number	Order code	Description	Price EUR	GTIN
124671	G3R-IDZR1SN-UTU 12-24VDC	Solid state relay (input), plug-in, 0.1-100 mA (4-32 VDC), high-speed (1 kHz), 12-24 VDC	20.73	4536853418625
124673	G3R-OA202SLN-UTU 5-24VDC	Solid state relay, plug-in, 5-pin, 1-pole, 2 A, 75-264 VAC	19.97	4536853418632
124674	G3R-OA202SZN-UTU 5-24VDC	Solid state relay, plug-in, 5-pin, 1-pole, 2 A, 75-264 VAC	19.97	4536853418649
124676	G3R-OD201SN-UTU 5-24VDC	Solid state relay, plug-in, 5-pin, 1-pole, 1.5A, 48-200VDC	23.40	4536853418663
124675	G3R-ODX02SN-UTU 5-24VDC	Solid state relay, plug-in, 5-pin, 1-pole, 2 A, 4-60 VDC	22.67	4536853418656



### Hockey puck style SSR with 5-90A output currents

All models feature the same compact dimensions to provide a uniform mounting pitch. A built-in varistor effectively absorbs external surges. The operation indicator enables monitoring operation.

- 5-90A output current
- 24-480VAC/5-200VDC output voltages
- Built-in varistor
- Operation indicator (red LED)
- Protective cover for greater safety

Short item number	Order code	Description	Price EUR	GTIN
377386	G3NA-210B-UTU 5-24VDC	Solid state relay, surface mounting, zero crossing, 1-pole, 10 A, 24 to 240 VAC	21.89	4536854807954
377387	G3NA-220B-UTU 5-24VDC	Solid state relay, surface mounting, zero crossing, 1-pole, 20 A, 24 to 240 VAC	28.10	4536854808012
377388	G3NA-240B-UTU 5-24VDC	Solid state relay, surface mounting, zero crossing, 1-pole, 40 A, 24 to 240 VAC	51.20	4547648573580
377389	G3NA-425B-UTU-2 5-24VDC	Solid state relay, surface mounting, zero crossing, 1-pole, 25 A, 200 to 480 VAC	55.85	4548583045514
377390	G3NA-450B-UTU-2 5-24VDC	Solid state relay, surface mounting, zero crossing, 1-pole, 50 A, 200 to 480 VAC	73.55	4548583045538

Short item number	Order code	Description	Price EUR	GTIN
114077	R99-11	Nameplate for MY relay (packet of 100) (not PYF14ESN / ESS)	14.79	4536854445897
166375	R99-12 FOR G3NA	Mounting bracket for G3NA	14.79	4536854912924
154222	Y92B-A100	Heat sink, economic model, for G3NA-205B/-210B/-D210B/-220B/-410B/-420B	22.41	4536853411190
107399	Y92B-N100	Heat sink for G3NA-220/420B SSR	33.57	4536854247149
107400	Y92B-N150	Heat sink for G3NA-240/440B SSR	46.06	4536854247156
105361	Y92B-N50	Heat sink for G3NA-205/210B SSR	19.81	4536854247132
171957	Y92B-P250NF	Heat sink for G3NA-275/290/475/490B SSR	280.90	4547648087520



### Solid State Relays with exchangeable power cartridge

Optimum design of the heat sink has contributed to the downsizing of this product. The power element cartridges of the G3PA are easily replaceable for easy maintenance. G3PA can be mounted on a DIN-rail or using screws.

- 20-60 A output current
- 24-480 VAC output voltages
- Applicable with 3-phase loads
- Replaceable power element cartridges

Short item number	Order code	Description	Price EUR	GTIN
376268	G3PA-240B-VD 5-24VDC	Solid state relay, DIN rail/surface mounting, 1-pole, 40 A, 264 VAC max	81.80	4536854864407
376269	G3PA-260B-VD 5-24VDC	Solid state relay, DIN rail/surface mounting, 1-pole, 60 A, 264 VAC max	118.30	4536854864414
376270	G3PA-420B-VD 12-24VDC	Solid state relay, DIN rail/surface mounting, 1-pole, 20 A, 440 VAC max	80.85	4536854864568
124813	G3PA-420B-VD-2 12-24VDC	Solid state relay, DIN rail/surface mounting, 1-pole, 20 A, 440 VAC max	104.50	4536854487217
376271	G3PA-430B-VD 12-24VDC	Solid state relay, DIN rail/surface mounting, 1-pole, 30 A, 440 VAC max	131.80	4536854864575
124815	G3PA-430B-VD-2 12-24VDC	Solid state relay, DIN rail/surface mounting, 1-pole, 30 A, 440 VAC max	176.70	4536854515484
124814	G3PA-450B-VD-2 12-24VDC	Solid state relay, DIN rail/surface mounting, 1-pole, 50 A, 440 VAC max	234.80	4536854515477

Short item number	Order code	Description	Price EUR	GTIN
377393	G32A-A40-VD 5-24VDC	Replacement cartridge for G3PA-240B SSR, suitable for 'VD' versions only	61.90	4536854866722
377395	G32A-A420-VD 12-24VDC	Replacement cartridge for G3PA-420B-VD SSR	91.95	4536854866784
377396	G32A-A430-VD 12-24VDC	Replacement cartridge for G3PA-430B-VD SSR	108.70	4536854866791
377394	G32A-A60-VD 5-24VDC	Replacement cartridge for G3PA-260B SSR, suitable for 'VD' versions only	101.20	4536854866739
125216	G32A-EA 100-240VAC	Cycle controller for use with SSR's	104.30	4536853420246



### Solid state relays for heaters

Single-phase SSR for low heat generation enables carrying 25 A (G3PJ-\_25B(-PU)) even for close mounting of three SSRs to contribute to downsizing of control panels. Models available with push-in plus input terminals.

- SCCR of 10 kA (UL 508)
- Surge pass protection improves surge dielectric strength for output currents
- Both push-in plus and screw terminal input terminals available
- Mount to DIN Track or with screws
- RoHS compliant

Short item number	Order code	Description	Price EUR	GTIN
669862	G3PJ-215B DC12-24	Solid-state relay, 1 phase, 18A, 24-240V AC, with heat sink, DIN rail mount, input voltage 12-24V DC	42.23	4548583783331
669912	G3PJ-215B-PU DC12-24	Solid-state relay, 1 phase, 15A, 24-240V AC, with heat sink, DIN rail mount, input voltage 12-24V DC with Push-in terminal	47.64	4548583783379
669893	G3PJ-225B DC12-24	Solid-state relay, 1 phase, 27A, 24-240V AC, with heat sink, DIN rail mount, input voltage 12-24V DC	52.30	4548583783348
669857	G3PJ-225B-PU DC12-24	Solid-state relay, 1 phase, 27A, 24-240 VAC, with heat sink, DIN rail mount, input voltage 12-24V DC with Push-in terminals	57.30	4548583783386
669945	G3PJ-515B DC12-24	Solid-state relay, 1 phase, 23A, 100-480V AC, with heat sink, DIN rail mount, input voltage 12-24V DC	65.40	4548583783355
669883	G3PJ-515B-PU DC12-24	Solid-state relay, 1 phase, 23A, 100-480V AC, with heat sink, DIN rail mount, input voltage 12-24V DC with Push-in terminals	70.90	4548583783393
669932	G3PJ-525B DC12-24	Solid-state relay, 1 phase, 27A, 100-480 VAC, with heat sink, DIN rail mount, input voltage 12-24V DC	76.00	4548583783362
669913	G3PJ-525B-PU DC12-24	Solid-state relay, 1 phase, 27A, 100-480V AC, with heat sink, DIN rail mount, input voltage 12-24V DC with Push-in terminals	80.60	4548583783409



### Omron's G3PE Compact Industrial SSR with outstanding surge endurance

The G3PE features an original surge-pass circuit that gives outstanding surge endurance and protects the semiconductor device against voltages in excess of 30kV.

- Single and three phase, 15-45 A output current
- 100-240VAC and 200-480 VAC output voltages
- Models available without zero cross
- Improved surge dielectric strength for output circuits
- Terminal cover with finger protection
- Mount to DIN track or with screws

Short item number	Order code	Description	Price EUR	GTIN
376272	G3PE-215B 12-24VDC	Solid state relay, 1 phase, 15A 100-240 VAC, with heat sink, DIN rail mount	42.72	4547648524896
375422	G3PE-215B-3N 12-24VDC	Solid-State relay, 3-pole, DIN-track mounting, 15 A, 264 VAC max	154.40	4548583409958
376273	G3PE-225B 12-24VDC	Solid state relay, 1 phase, 25A 100-240 VAC, with heat sink, DIN rail mount	48.97	4547648524902
375423	G3PE-225B-3N 12-24VDC	Solid-State relay, 3-pole, DIN-track mounting, 25A, 264 VAC max	196.70	4548583409965
375391	G3PE-235B 12-24VDC	Solid state relay, 1-pole, DIN-track mounting, 35 A, 264 VAC max	57.20	4548583409613
375392	G3PE-245B 12-24VDC	Solid state relay, 1-pole, DIN-track mounting, 45 A, 264 VAC max	71.65	4548583409620
375395	G3PE-515B 12-24VDC	Solid state relay, 1-pole, DIN-track mounting, 15 A, 528 VAC max	69.20	4548583409675
375414	G3PE-515B-3 12-24VDC	Solid-State relay, 3-pole, screw mounting, 15A, 528VAC max	172.20	4548583409873
375430	G3PE-515B-3N 12-24VDC	Solid state relay, 3-pole, DIN-track mounting, 15 A, 528 VAC max	166.50	4548583410039
375396	G3PE-525B 12-24VDC	Solid state relay, 1-pole, DIN-track mounting, 25 A, 528 VAC max	73.20	4548583409682
375427	G3PE-525B-2N 12-24VDC	Solid state relay, 2-pole, DIN-track mounting, 25A, 528VAC max	148.50	4548583410008
375415	G3PE-525B-3 12-24VDC	Solid-State relay, 3-pole, screw mounting, 25A, 528VAC max	204.70	4548583409880
375447	G3PE-525B-3H 12-24VDC	Solid-State relay, 3-pole 25 A, 528 VAC max	125.80	4548583410206
375431	G3PE-525B-3N 12-24VDC	Solid state relay, 3-pole, DIN-track mounting, 25 A, 528 VAC max	204.70	4548583410046
375397	G3PE-535B 12-24VDC	Solid state relay, 1-pole, DIN-track mounting, 35 A, 528 VAC max	82.95	4548583409699
375428	G3PE-535B-2N 12-24VDC	Solid state relay, 2-pole, DIN-track mounting, 35A, 528VAC max	189.90	4548583410015
375432	G3PE-535B-3N 12-24VDC	Solid state relay, 3-pole, DIN-track mounting, 35 A, 528 VAC max	246.20	4548583410053
375390	G3PE-545B 12-24VDC	Solid state relay, 1-pole, DIN-track mounting, 45 A, 528 VAC max	84.50	4548583409705
375429	G3PE-545B-2N 12-24VDC	Solid state relay, 2-pole, DIN-track mounting, 35A, 528VAC max	200.90	4548583410022
375417	G3PE-545B-3 12-24VDC	Solid-State relay, 3-pole, screw mounting, 45A, 528VAC max	233.40	4548583409903
375433	G3PE-545B-3N 12-24VDC	Solid state relay, 3-pole, DIN-track mounting, 45 A, 528 VAC max	267.60	4548583410060



### High-power, load-control SSRs with high current of 75 or 150 A at 240 or 480 VAC

The G3PH high power SSRs are designed to switch heaters like alloyed metal heaters (NI-CR heaters f.i.) and lamp heaters (halogen heaters f.i.). It has a replaceable power cartridge in order to save maintenance costs. The easy-to-mount monoblock construction incorporates a heatsink.

- 75 or 150 A; 240 or 480 VAC
- Replacable power elements
- Built-in operation indicator
- Zero-cross and non zero-cross models available
- Surge-pass circuit

Short item number	Order code	Description	Price EUR	GTIN
355576	G3PH-5150B 5-24VDC	Solid State Relay, surface mounting, max. load: 150 A, 180 to 480 VAC	858.00	4548583055612



### Thyristor-type single-phase power controller that enables precise temperature control

Compact and the possibility for side-by-side mounting for multiple units are the basics for this new generation of power controllers. Process value can be easily monitored via the 7-segment display on the front panel.

- Precise heater burnout detection
- Phase control or optimum cycle control
- RS-485 communications to set manipulated variables and monitor load current
- Total runtime monitoring
- Application with various loads: constant load resistance, variable load resistance

Short item number	Order code	Description	Price EUR	GTIN
125222	G32X-V2K	External variable resistor, 2 kW, for G3PW power controller	45.01	4536853420321
260085	G3PW-A220EC-C-FLK	Single phase power controller, constant current type, 20 A, SLC terminals	424.80	4547648600422
260082	G3PW-A220EU-S	Single phase power controller, standard type, 20 A, screw terminals	363.60	4547648600361
260083	G3PW-A245EU-S	Single phase power controller, standard type, 45 A, screw terminals	477.50	4547648600378



### Compact, low-cost, SSR switching 5 to 20A

This solid-state relay has a wide load voltage range: 75 to 264VAC. Both 100V and 200V loads can be handled with the same model. Dedicated, compact aluminum PCB and power elements are used. Its built-in varistor effectively absorbs external surges.

- 5-20A output current
- 75-264VAC output voltages
- Built-in varistor
- Quick-connect 110V input and 250V output terminals

Short item number	Order code	Description	Price EUR	GTIN
679635	G3NE-210T-US 12VDC	SSR (quick connect), 1 ph, w/o heatsink, 10 A (100 to 240 VAC), zero cross, 12 VDC	30.38	4547648016223
230921	G3NE-220T-US 24VDC	Compact SSR, 20A, 264 VAC max, zero cross over	21.12	4536854921360



### Main mini contactor relay, 4-pole

Three basic units can be combined with different additional auxiliary contacts. 4-pole, 6-pole and 8-pole versions in different configurations are possible as well as different coil voltages (AC and DC). Accessories such as suppressors are available.

- Mirror contacts
- Screw fixing and snap fitting (35mm DIN-rail)
- Rated current = 10A (I-th)
- Suitable for electronic devices (DIN 19240)
- Finger proof (BGV A2)

Short item number	Order code	Description	Price EUR	GTIN
119016	J7KNA-AR-22 24D	Contact relay, 4-pole, 2M2B, 10A thermal current/3A AC-15, 24 VDC	18.93	4536854851469
119023	J7KNA-AR-31 24D	Contact relay, 4-pole, 3M1B, 10A thermal current/3A AC-15, 24 VDC	16.14	4536854851544
158036	J7KNA-AR-40 230	Contact relay, 4-pole, 4M, 10 A thermal current/3 A AC-15, 230 VAC	14.77	4536854851414
119029	J7KNA-AR-40 24D	Contact relay, 4-pole, 4M, 10A thermal current/3A AC-15, 24 VDC	20.84	4536854851629
119031	J7KNA-AR-40 24VS	Contact relay, 4-pole, 4M, 10 A thermal current/3 A AC-15 with diode suppressor, 24 VDC	21.49	4536854851667

Short item number	Order code	Description	Price EUR	GTIN
119338	J73KN-A-11	Auxiliary contacts, 2-pole, 1M1B for J7KNA-AR relay	3.99	4536854854736
119340	J73KN-A-22	Auxiliary contacts, 4-pole, 2M2B for J7KNA-AR relay	6.88	4536854854750
119341	J73KN-A-40	Auxiliary contacts, 4-pole, 4M for J7KNA-AR relay	6.88	4536854854767



### Motor contactors from 4-5.5kW for normal duty switching



This modular system consists of main contactors and additional contact blocks. The basic units can be combined with auxiliary contacts (top mounting). Reversed versions, including integrated mechanical interlock, are available as well as 3-main-pole and 4-main-pole versions.

- 4kW and 5.5kW versions are available
- Different coil voltages (AC and DC)
- Mini and normal-size versions are available
- The contactors can be mounted with screw fixing and snap fitting on a DIN-rail
- All components are finger proof

Short item number	Order code	Description	Price EUR	GTIN
145970	J7KNA-09-01 230	Contactors, 3-pole, 9 A/4 kW AC3 (20 A AC1) + 1B auxiliary, 230 VAC	13.30	4536854850486
119139	J7KNA-09-01 24	Contactors, 3-pole, 9 A/4 kW AC3 (20 A AC1) + 1B auxiliary, 24 VAC	13.27	4536854850431
119056	J7KNA-09-01 24D	Contactors, 3-pole, 9 A/4 kW AC3 (20 A AC1) + 1B auxiliary, 24 VDC	19.00	4536854850615
149193	J7KNA-09-01 24VS	Contactors, 3-pole, 9 A/4 kW AC3 (20 A AC1) + 1B auxiliary with diode suppressor, 24 VDC	21.11	4536854850653
119134	J7KNA-09-10 230	Contactors, 3-pole, 9 A/4 kW AC3 (20 A AC1) + 1M auxiliary, 230 VAC	13.30	4536854850387
119132	J7KNA-09-10 24	Contactors, 3-pole, 9 A/4 kW AC3 (20 A AC1) + 1M auxiliary, 24 VAC	13.30	4536854850332
119051	J7KNA-09-10 24D	Contactors, 3-pole, 9 A/4 kW AC3 (20 A AC1) + 1M auxiliary, 24 VDC	19.00	4536854850530
119054	J7KNA-09-10 24VS	Contactors, 3-pole, 9 A/4 kW AC3 (20 A AC1) + 1M auxiliary with diode suppressor, 24 VDC	21.11	4536854850578
119136	J7KNA-09-10 400	Mini contactors, 3-pole, 4 kW; 9 A AC3 (400 VAC) + 1 NO, 400 VAC	13.55	4536854850400
119076	J7KNA-12-01 230	Contactors, 3-pole, 12 A/5.5 kW AC3 (20 A AC1) + 1B auxiliary, 230 VAC	16.41	4536854850950
151253	J7KNA-12-01 24D	Contactors, 3-pole, 12 A/5.5 kW AC3 (20 A AC1) + 1B auxiliary, 24 VDC	23.42	4536854851087
119087	J7KNA-12-01 24VS	Contactors, 3-pole, 12 A/5.5 kW AC3 (20 A AC1) + 1B auxiliary with diode suppressor, 24 VDC	25.52	4536854851124
119068	J7KNA-12-10 230	Contactors, 3-pole, 12 A/5.5 kW AC3 (20 A AC1) + 1M auxiliary, 230 VAC	16.49	4536854850851
119065	J7KNA-12-10 24	Contactors, 3-pole, 12 A/5.5 kW AC3 (20 A AC1) + 1M auxiliary, 24 VAC	16.41	4536854850806
119080	J7KNA-12-10 24D	Contactors, 3-pole, 12 A/5.5 kW AC3 (20 A AC1) + 1M auxiliary, 24 VDC	23.42	4536854851001

Short item number	Order code	Description	Price EUR	GTIN
119342	J73KN-AM-11	Auxiliary contacts, 2-pole, 1M1B for J7KNA contactor	3.85	4536854854774
119344	J73KN-AM-22	Auxiliary contacts, 4-pole, 2M2B for J7KNA contactor	6.88	4536854854798
119345	J73KN-B-01	Auxiliary contact, 1-pole, 1B, front mounting, 10 A for J7KN10-74	2.03	4536854854804
191890	J73KN-B-01U	Auxiliary contact, 1-pole, 1B, front mounting, 10 A for J7KN10-74 (EM & LM version)	5.45	4547648192057
119346	J73KN-B-10	Auxiliary contact, 1-pole, 1M, front mounting, 10 A for J7KN10-74	2.03	4536854854811
183577	J73KN-B-10A	Auxiliary contact, 1-pole, 1M, front mounting, 6A for J7KN10-74	4.82	4547648171373
119347	J73KN-C-11S	Auxiliary contacts, 2-pole, 1M1B side mounting, 10 A for J7KN24-74	5.90	4536854854828

Motor contactors from 4-500kW for normal and heavy-duty switching.



This modular system consists of main contactors and additional contact blocks. The basic units can be combined with auxiliary contacts. AC and DC versions, integrated mechanical interlock, are available as well as 3-main-pole and 4-main-pole versions.

- Basic units can be combined with auxiliary contacts (top/side mounting)
- 3-main-pole and 4-main-pole versions are possible
- The power range covers 4 to 500kW
- Different coil voltages (AC and DC)
- J7KN-10D to J7KN-22D models have integrated auxiliary contact for electronic circuits (3-pole versions)

Short item number	Order code	Description	Price EUR	GTIN
367391	J74-WKR-B2	Busbars for reversing contactors (2 parts), J7KN-10 - J7KN-22	8.62	4548583137929
367266	J7KN-10D-01 230	Contactors, 3-pole, 10 A/4 kW AC3 (25 A AC1) + 1B auxiliary, 230 VAC	15.61	4548583135482
367274	J7KN-10D-10 110	Contactors, 3-pole, 4 kW; 10 A AC3 (380-415 VAC) + 1 NO aux., 110 VAC	15.59	4548583135567
367278	J7KN-10D-10 230	Contactors, 3-pole, 4 kW; 10 A AC3 (380-415 VAC) + 1 NO aux., 230 VAC	15.54	4548583135604
367279	J7KN-10D-10 24	Contactors, 3-pole, 4 kW; 10 A AC3 (380-415 VAC) + 1 NO aux., 24 VAC	15.59	4548583135611
367280	J7KN-10D-10 24D	Contactors, 3-pole, 4 kW; 10 A AC3 (380-415 VAC) + 1 NO aux., 24 VDC	24.57	4548583135628
245090	J7KN-115 230	Contactors, 3-pole, 55 kW; 115 A AC3 (380-415 VAC), 230 VAC/DC	189.70	4547648526005
367298	J7KN-14D-01 230	Contactors, 3-pole, 14 A/5.5 kW AC3 (25 A AC1) + 1B auxiliary, 230 VAC	16.84	4548583135802
367300	J7KN-14D-01 24D	Contactors, 3-pole, 5.5 kW; 14 A AC3 (380-415 VAC) + 1 NC aux., 24 VDC	26.29	4548583135826
367310	J7KN-14D-10 230	Contactors, 3-pole, 14 A/5.5 kW AC3 (25 A AC1) + 1M auxiliary, 230 VAC	16.93	4548583135925
367311	J7KN-14D-10 24	Contactors, 3-pole, 14 A/5.5 kW AC3 (25 A AC1) + 1M auxiliary, 24 VAC	16.96	4548583135932
367312	J7KN-14D-10 24D	Contactors, 3-pole, 5.5 kW; 14 A AC3 (380-415 VAC) + 1 NO aux., 24 VDC	26.29	4548583135949
183524	J7KN-151 230	Contactors, 3-pole, 150 A/75 kW AC3 (230 A AC1), 230 VAC	268.70	4547648170840
367330	J7KN-18D-01 230	Contactors, 3-pole, 18 A/7.5 kW AC3 (32 A AC1) + 1B auxiliary, 230 VAC	25.09	4548583136120
367332	J7KN-18D-01 24D	Contactors, 3-pole, 7.5 kW; 18 A AC3 (380-415 VAC) + 1 NC aux., 24 VDC	32.38	4548583136144
367338	J7KN-18D-10 110	Contactors, 3-pole, 7.5 kW; 18 A AC3 (380-415 VAC) + 1 NO aux., 110 VAC	25.09	4548583136205
367342	J7KN-18D-10 230	Contactors, 3-pole, 18 A/7.5 kW AC3 (32 A AC1) + 1M auxiliary, 230 VAC	25.09	4548583136243
367343	J7KN-18D-10 24	Contactors, 3-pole, 18 A/7.5 kW AC3 (32 A AC1) + 1M auxiliary, 24 VAC	25.09	4548583136250
367344	J7KN-18D-10 24D	Contactors, 3-pole, 7.5 kW; 18 A AC3 (380-415 VAC) + 1 NO aux., 24 VDC	32.38	4548583136267
367362	J7KN-22D-01 230	Contactors, 3-pole, 22 A/11 kW AC3 (32 A AC1) + 1B auxiliary, 230 VAC	34.10	4548583136441
367364	J7KN-22D-01 24D	Contactors, 3-pole, 11 kW; 22 A AC3 (380-415 VAC) + 1 NC aux., 24 VDC	38.68	4548583136465
367374	J7KN-22D-10 230	Contactors, 3-pole, 22 A/11 kW AC3 (32 A AC1) + 1M auxiliary, 230 VAC	34.10	4548583136564
367376	J7KN-22D-10 24D	Contactors, 3-pole, 11 kW; 22 A AC3 (380-415 VAC) + 1 NO aux., 24 VDC	38.68	4548583136588
148113	J7KN-24 230	Contactors, 3-pole, 24 A/11 kW AC-3 (50 A AC1), 230 VAC	35.30	4536854852794
152417	J7KN-24 24	Contactors, 3-pole, 24 A/11 kW AC-3 (50 A AC1), 24 VAC	35.30	4536854852749
151258	J7KN-24 24D	Contactors, 3-pole, 24A/11kW AC-3 (50A AC1), 24 VDC	34.44	4536854852824
104537	J7KN-32 110	Contactors, 3-pole, 32A/15kW AC-3 (65A AC1), 110 VAC	48.17	4536854852893
158039	J7KN-32 230	Contactors, 3-pole, 32 A/15 kW AC-3 (65 A AC1), 230 VAC	48.17	4536854852916
118897	J7KN-32 24	Contactors, 3-pole, 32 A/15 kW AC-3 (65 A AC1), 24 VAC	48.17	4536854852862
118903	J7KN-32 24D	Contactors, 3-pole, 32A/15kW AC-3 (65A AC1), 24 VDC	52.40	4536854852947
118814	J7KN-40 230	Contactors, 3-pole, 40 A/18.5 kW AC-3 (80 A AC1), 230 VAC	58.35	4536854853036
118816	J7KN-40 24D	Contactors, 3-pole, 40A/18.5kW AC-3 (80A AC1), 24 VDC	61.50	4536854853067
118823	J7KN-50 230	Contactors, 3-pole, 50 A/22 kW AC-3 (110 A AC1), 230 VAC	73.90	4536854853159
118825	J7KN-50 24D	Contactors, 3-pole, 50 A/22 kW AC-3 (110 A AC1), 24 VDC	76.40	4536854853180
150146	J7KN-62 230	Contactors, 3-pole, 62 A/30 kW AC-3 (120 A AC1), 230 VAC	105.70	4536854853272
118834	J7KN-62 24D	Contactors, 3-pole, 62 A/30 kW AC-3 (120 A AC1), 24 VDC	104.30	4536854853302
118841	J7KN-74 230	Contactors, 3-pole, 74 A/37 kW AC-3 (130 A AC1), 230 VAC	121.60	4536854853395
245085	J7KN-90 230	Contactors, 3-pole, 45 kW; 90 A AC3 (380-415 VAC), 230 VAC/DC	142.50	4547648525954
183546	J7KNG-10-01 24D	Contactors, DC-operated (3VA), 3-pole, 10 A/4 kW AC3 + 1B auxiliary	29.87	4547648171069
183550	J7KNG-10-10 24D	Contactors, DC-operated (3VA), 3-pole, 10 A/4 kW AC3 + 1M auxiliary	29.87	4547648171106
183554	J7KNG-14-01 24D	Contactors, DC-operated (3VA), 3-pole, 14 A/5.5 kW AC3 + 1B auxiliary	31.61	4547648171144
183558	J7KNG-14-10 24D	Contactors, DC-operated (3VA), 3-pole, 14 A/5.5 kW AC3 + 1M auxiliary	31.61	4547648171182
183562	J7KNG-18-01 24D	Contactors, DC-operated (3VA), 3-pole, 18 A/7.5 kW AC3 + 1B auxiliary	32.35	4547648171229
183566	J7KNG-18-10 24D	Contactors, DC-operated (3VA), 3-pole, 18 A/7.5 kW AC3 + 1M auxiliary	37.80	4547648171267
183570	J7KNG-22-01 24D	Contactors, DC-operated (3VA), 3-pole, 22 A/11 kW AC3 + 1B auxiliary	41.00	4547648171304
183574	J7KNG-22-10 24D	Contactors, DC-operated (3VA), 3-pole, 22 A/11 kW AC3 + 1M auxiliary	48.40	4547648171342
197345	J7KNG-22-4 24D	DC solenoid motor contactor, 4-pole, 22A, 24 VDC	46.08	4547648205979
197792	J7KNG-32 24D	Contactors, DC-operated (3VA), 3-pole, 32 A/15 kW AC3	72.70	4547648206105
197798	J7KNG-40 24D	Contactors, DC-operated (3VA), 3-pole, 40 A/18.5 kW AC3	84.85	4547648206167

Relay-size contactor, smallest in the world!



- AC and DC operated
- Integrated auxiliary contact
- Available as motor contactor and contactor relay
- >3 mm contact clearance acc. to IEC 60335-1 for safety applications
- Reversing contactor with mechanical interlock
- Mirror contacts (NC) acc. to IEC 60947-4-1 for safety applications
- J7KNU is designed to fit 15 mm DIN rails, but J75KN snap-on adapter make it suitable also for the standard 35 mm DIN rail

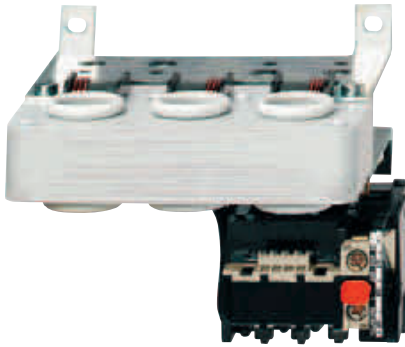
Short item number	Order code	Description	Price EUR	GTIN
675306	J75KN-P-1039	Snap-on adapter to mount J7KNU on DIN rail 35 mm	1.46	4549734137188
668211	J7KNU-05-01 110	Micro contactor, 3-pole, 2.2 kW; 5 A AC3 (400 VAC) + 1 NC, 110 VAC	15.01	4548583765078
675301	J7KNU-05-01 110D	Micro contactor, 3-pole (NO) + 1NC, 2.2 kW; 12A AC1 (up to 440 V), 60 VDC	18.68	4549734134170
668195	J7KNU-05-01 180	Micro contactor, 3-pole, 2.2 kW; 5 A AC3 (400 VAC) + 1 NC, 180 VAC	15.01	4548583765085
668213	J7KNU-05-01 230	Micro contactor, 3-pole, 2.2 kW; 5 A AC3 (400 VAC) + 1 NC, 230 VAC	15.01	4548583765092
668219	J7KNU-05-01 24	Micro contactor, 3-pole, 2.2 kW; 5 A AC3 (400 VAC) + 1 NC, 24 VAC	15.01	4548583765108
675298	J7KNU-05-01 24D	Micro contactor, 3-pole (NO) + 1NC, 2.2 kW; 12A AC1 (up to 440 V), 60 VDC	18.68	4549734134149
668222	J7KNU-05-01 48	Micro contactor, 3-pole, 2.2 kW; 5 A AC3 (400 VAC) + 1 NC, 48 VAC	15.01	4548583765115
675312	J7KNU-05-01 48D	Micro contactor, 3-pole (NO) + 1NC, 2.2 kW; 12A AC1 (up to 440 V), 60 VDC	18.68	4549734134156
675302	J7KNU-05-01 60D	Micro contactor, 3-pole (NO) + 1NC, 2.2 kW; 12A AC1 (up to 440 V), 60 VDC	18.68	4549734134163
668206	J7KNU-05-01 90	Micro contactor, 3-pole, 2.2 kW; 5 A AC3 (400 VAC) + 1 NC, 90 VAC	15.01	4548583765122
668207	J7KNU-05-01R 110	Micro contactor, reversing interlocked pair, 5A/2.2kW + 1 NC auxiliary on both sides, 110 VAC	40.00	4548583765313
675300	J7KNU-05-01R 110D	Micro contactor, reversing interlocked pair, 2.2kW, 3-pole (NO) + 1 NC, auxiliary contacts on both sides, 12A AC1 (up to 440 V), 110 VDC	49.99	4549734134255
668217	J7KNU-05-01R 180	Micro contactor, reversing interlocked pair, 5A/2.2kW + 1 NC auxiliary on both sides, 180 VAC	40.00	4548583765320
668212	J7KNU-05-01R 230	Micro contactor, reversing interlocked pair, 5A/2.2kW + 1 NC auxiliary on both sides, 230 VAC	40.00	4548583765337
668196	J7KNU-05-01R 24	Micro contactor, reversing interlocked pair, 5A/2.2kW + 1 NC auxiliary on both sides, 24 VAC	40.00	4548583765344
675297	J7KNU-05-01R 24D	Micro contactor, reversing interlocked pair, 2.2kW, 3-pole (NO) + 1 NC, auxiliary contacts on both sides, 12A AC1 (up to 440 V), 24 VDC	49.99	4549734134224
668200	J7KNU-05-01R 48	Micro contactor, reversing interlocked pair, 5A/2.2kW + 1 NC auxiliary on both sides, 48 VAC	40.00	4548583765351
675303	J7KNU-05-01R 48D	Micro contactor, reversing interlocked pair, 2.2kW, 3-pole (NO) + 1 NC, auxiliary contacts on both sides, 12A AC1 (up to 440 V), 48 VDC	49.99	4549734134231
675307	J7KNU-05-01R 60D	Micro contactor, reversing interlocked pair, 2.2kW, 3-pole (NO) + 1 NC, auxiliary contacts on both sides, 12A AC1 (up to 440 V), 60 VDC	49.99	4549734134248
668218	J7KNU-05-01R 90	Micro contactor, reversing interlocked pair, 5A/2.2kW + 1 NC auxiliary on both sides, 90 VAC	40.00	4548583765368
668208	J7KNU-05-10 110	Micro contactor, 3-pole, 2.2 kW; 5 A AC3 (400 VAC) + 1 NO, 110 VAC	15.01	4548583765139
675334	J7KNU-05-10 110D	Micro contactor, 3-pole (NO) + 1NO, 2.2 kW; 12A AC1 (up to 440 VAC), 110 VDC	18.68	4549734134217
668216	J7KNU-05-10 180	Micro contactor, 3-pole, 2.2 kW; 5 A AC3 (400 VAC) + 1 NO, 180 VAC	15.01	4548583765146
668215	J7KNU-05-10 230	Micro contactor, 3-pole, 2.2 kW; 5 A AC3 (400 VAC) + 1 NO, 230 VAC	15.01	4548583765153
668203	J7KNU-05-10 24	Micro contactor, 3-pole, 2.2 kW; 5 A AC3 (400 VAC) + 1 NO, 24 VAC	15.01	4548583765160
675294	J7KNU-05-10 24D	Micro contactor, 3-pole (NO) + 1NO, 2.2 kW; 12A AC1 (up to 440 VAC), 24 VDC	18.68	4549734134187
668204	J7KNU-05-10 48	Micro contactor, 3-pole, 2.2 kW; 5 A AC3 (400 VAC) + 1 NO, 48 VAC	15.01	4548583765177
675296	J7KNU-05-10 48D	Micro contactor, 3-pole (NO) + 1NO, 2.2 kW; 12A AC1 (up to 440 VAC), 48 VDC	18.68	4549734134194
675293	J7KNU-05-10 60D	Micro contactor, 3-pole (NO) + 1NO, 2.2 kW; 12A AC1 (up to 440 VAC), 60 VDC	18.68	4549734134200
668209	J7KNU-05-10 90	Micro contactor, 3-pole, 2.2 kW; 5 A AC3 (400 VAC) + 1 NO, 90 VAC	15.01	4548583765184
668444	J7KNU-05-4 110	Micro contactor, 4-pole, 5 A/ 2.2 kW AC3 (12 A AC1), 110 VAC	16.67	4548583772373
668445	J7KNU-05-4 180	Micro contactor, 4-pole, 5 A/ 2.2 kW AC3 (12 A AC1), 180 VAC	16.67	4548583772380
668443	J7KNU-05-4 230	Micro contactor, 4-pole, 5 A/ 2.2 kW AC3 (12 A AC1), 230 VAC	16.67	4548583772397
668442	J7KNU-05-4 24	Micro contactor, 4-pole, 5 A/ 2.2 kW AC3 (12 A AC1), 24 VAC	16.67	4548583772403
668446	J7KNU-05-4 48	Micro contactor, 4-pole, 5 A/ 2.2 kW AC3 (12 A AC1), 48 VAC	16.67	4548583772410
668441	J7KNU-05-4 90	Micro contactor, 4-pole, 5 A/ 2.2 kW AC3 (12 A AC1), 90 VAC	16.67	4548583772427
668199	J7KNU-AR-22 110	Micro contactor relay, 4-pole (2 NO & 2 NC), 12 A AC1 (up to 440 VAC), 110 VAC	16.67	4548583765252
675305	J7KNU-AR-22 110D	Micro contactor relay, 4-pole (2 NO & 2 NC), 3A AC15 (up to 230 V), 110 VDC	20.68	4549734134095
668221	J7KNU-AR-22 180	Micro contactor relay, 4-pole (2 NO & 2 NC), 12 A AC1 (up to 440 VAC), 180 VAC	16.67	4548583765269
668193	J7KNU-AR-22 230	Micro contactor relay, 4-pole (2 NO & 2 NC), 12 A AC1 (up to 440 VAC), 230 VAC	16.67	4548583765276
668202	J7KNU-AR-22 24	Micro contactor relay, 4-pole (2 NO & 2 NC), 12 A AC1 (up to 440 VAC), 24 VAC	16.67	4548583765283
675309	J7KNU-AR-22 24D	Micro contactor relay, 4-pole (2 NO & 2 NC), 3A AC15 (up to 230 V), 24 VDC	20.68	4549734134064
668220	J7KNU-AR-22 48	Micro contactor relay, 4-pole (2 NO & 2 NC), 12 A AC1 (up to 440 VAC), 48 VAC	16.67	4548583765290
675308	J7KNU-AR-22 48D	Micro contactor relay, 4-pole (2 NO & 2 NC), 3A AC15 (up to 230 V), 48 VDC	20.68	4549734134071
675299	J7KNU-AR-22 60D	Micro contactor relay, 4-pole (2 NO & 2 NC), 3A AC15 (up to 230 V), 60 VDC	20.68	4549734134088
668214	J7KNU-AR-22 90	Micro contactor relay, 4-pole (2 NO & 2 NC), 12 A AC1 (up to 440 VAC), 90 VAC	16.67	4548583765306
668198	J7KNU-AR-40 110	Micro contactor relay, 4-pole (4 NO), 12 A AC1 (up to 440 VAC), 110 VAC	16.67	4548583765191

Short item number	Order code	Description	Price EUR	GTIN
675311	J7KNU-AR-40 110D	Micro contactor relay, 4-pole (4 NO), 3A AC15 (up to 230 V), 110 VDC	20.68	4549734134132
668210	J7KNU-AR-40 180	Micro contactor relay, 4-pole (4 NO), 12 A AC1 (up to 440 VAC), 180 VAC	16.67	4548583765207
668205	J7KNU-AR-40 230	Micro contactor relay, 4-pole (4 NO), 12 A AC1 (up to 440 VAC), 230 VAC	16.67	4548583765214
668194	J7KNU-AR-40 24	Micro contactor relay, 4-pole (4 NO), 12 A AC1 (up to 440 VAC), 24 VAC	16.67	4548583765221
675310	J7KNU-AR-40 24D	Micro contactor relay, 4-pole (4 NO), 3A AC15 (up to 230 V), 24 VDC	20.68	4549734134101
668197	J7KNU-AR-40 48	Micro contactor relay, 4-pole (4 NO), 12 A AC1 (up to 440 VAC), 48 VAC	16.67	4548583765238
675304	J7KNU-AR-40 48D	Micro contactor relay, 4-pole (4 NO), 3A AC15 (up to 230 V), 48 VDC	20.68	4549734134118
675295	J7KNU-AR-40 60D	Micro contactor relay, 4-pole (4 NO), 3A AC15 (up to 230 V), 60 VDC	20.68	4549734134125
668201	J7KNU-AR-40 90	Micro contactor relay, 4-pole (4 NO), 12 A AC1 (up to 440 VAC), 90 VAC	16.67	4548583765245

## J7TKN

## Thermal overload relays

### Thermal overload relays for J7 contactors



J7TKN relays protect motors against thermal overload. They can be mounted on the contactor or separately. The relays comply with IEC 947 (single-phase sensitivity).

- Series of overload relays covering a setting range from 0.24A to 220A
- All components are finger proof

Short item number	Order code	Description	Price EUR	GTIN
119358	J74KN-B-ML	Mechanical interlock for 2x J7KN10-40	2.74	4536854854903
367394	J74KN-C2-RC230	RC suppressor unit, 110 to 250 VAC/DC, fits J7KN10-74	12.16	4548583137905
367395	J74KN-C2-RC24	RC suppressor unit, 12 to 48 VAC/DC, fits J7KN10-74	11.34	4548583137912
119359	J74KN-C-ML	Mechanical interlock for 2x J7KN24-74	5.85	4536854854910
169758	J74KN-D-RC 24	RC suppressor unit, 12-48 VAC/dc, fits J7KNA	11.34	4547648044073
119375	J74TK-SM	Separate mounting sets for J7TKN-B	3.59	4536854855207
197815	J7TKN-A-11	Overload relay, 3-pole, 8-11 A, direct mounting on J7KNA or J7KN10-22, hand reset	24.62	4547648205658
197809	J7TKN-A-1E2	Overload relay, 3-pole, 0.8-1.2 A, direct mounting on J7KNA or J7KN10-22, manual reset	21.73	4547648205597
197810	J7TKN-A-1E8	Overload relay, 3-pole, 1.2-1.8 A, direct mounting on J7KNA or J7KN10-22, manual reset	20.56	4547648205603
197811	J7TKN-A-2E7	Overload relay, 3-pole, 1.8-2.7 A, direct mounting on J7KNA or J7KN10-22, manual reset	20.58	4547648205610
197812	J7TKN-A-4	Overload relay, 3-pole, 2.7-4 A, direct mounting on J7KNA or J7KN10-22, manual reset	20.58	4547648205627
197813	J7TKN-A-6	Overload relay, 3-pole, 4-6 A, direct mounting on J7KNA or J7KN10-22, manual reset	20.50	4547648205634
197814	J7TKN-A-9	Overload relay, 3-pole, 6-9 A, direct mounting on J7KNA or J7KN10-22, manual reset	20.50	4547648205641
197807	J7TKN-A-E6	Overload relay, 3-pole, 0.4-0.6 A, direct mounting on J7KNA or J7KN10-22, manual reset	21.51	4547648205573
197808	J7TKN-A-E9	Overload relay, 3-pole, 0.6-0.9 A, direct mounting on J7KNA or J7KN10-22, manual reset	21.51	4547648205580
148116	J7TKN-B-11	Overload relay, 3-pole, 8-11 A, direct mounting on J7KN10-40, hand and auto reset	26.71	4536854854606
118708	J7TKN-B-14	Overload relay, 3-pole, 10-14 A, direct mounting on J7KN10-40, hand and auto reset	26.71	4536854854613
118709	J7TKN-B-18	Overload relay, 3-pole, 13-18 A, direct mounting on J7KN10-40, hand and auto reset	26.71	4536854854620
154763	J7TKN-B-1E2	Overload relay, 3-pole, 0.8-1.2 A, direct mounting on J7KN10-40, hand and auto reset	22.65	4536854854545
118710	J7TKN-B-24	Overload relay, 3-pole, 17-24 A, direct mounting on J7KN10-40, hand and auto reset	26.71	4536854854637
148115	J7TKN-B-2E7	Overload relay, 3-pole, 1.8-2.7 A, direct mounting on J7KN10-40, hand and auto reset	22.65	4536854854569
118707	J7TKN-B-4	Overload relay, 3-pole, 2.7-4 A, direct mounting on J7KN10-40, hand and auto reset	22.65	4536854854576
149068	J7TKN-B-6	Overload relay, 3-pole, 4-6 A, direct mounting on J7KN10-40, hand and auto reset	22.65	4536854854583
142631	J7TKN-B-9	Overload relay, 3-pole, 6-9 A, direct mounting on J7KN10-40, hand and auto reset	22.65	4536854854590
154762	J7TKN-B-E6	Overload relay, 3-pole, 0.4-0.6 A, direct mounting on J7KN10-40, hand and auto reset	22.65	4536854854521

## J7MN is a range of motor-protection circuit breakers from 0.10-100A



The J7MN motor starters protect motors against thermal overload and short circuit. The Motor protection circuit breakers can be equipped with additional auxiliary contacts, front or side mounted. Other options are circuit trip alarm units, undervoltage and shunt release units. To make wiring easy we provide as well busbar system.

- Available rated operational currents to 32 A, 63 A and 100 A
- Switching capacity is mainly 50 kA/400 V or 100 KA/400 V
- All Motor Protection Circuit breaker can be mounted on a DIN-rail
- For the range to 32A we provide electro-mechanical links modules
- All components are finger proof

Short item number	Order code	Description	Price EUR	GTIN
234279	J7MN-3P-1	Motor-protective circuit breaker, switch type, 3-pole, 0.63-1 A	27.35	4547648326957
234285	J7MN-3P-10	Motor-protective circuit breaker, switch type, 3-pole, 6-10 A	33.06	4547648327015
234286	J7MN-3P-13	Motor-protective circuit breaker, switch type, 3-pole, 9-13 A	33.06	4547648327022
234287	J7MN-3P-17	Motor-protective circuit breaker, switch type, 3-pole, 11-17 A	33.06	4547648327039
234280	J7MN-3P-1E6	Motor-protective circuit breaker, switch type, 3-pole, 1-1.6 A	30.51	4547648326964
234288	J7MN-3P-22	Motor-protective circuit breaker, switch type, 3-pole, 14-22 A	33.06	4547648327046
234289	J7MN-3P-26	Motor-protective circuit breaker, switch type, 3-pole, 18-26 A	33.06	4547648327053
234281	J7MN-3P-2E5	Motor-protective circuit breaker, switch type, 3-pole, 1.6-2.5 A	30.51	4547648326971
234290	J7MN-3P-32	Motor-protective circuit breaker, switch type, 3-pole, 22-32 A	36.25	4547648327060
234282	J7MN-3P-4	Motor-protective circuit breaker, switch type, 3-pole, 2.5-4 A	30.51	4547648326988
234283	J7MN-3P-6	Motor-protective circuit breaker, switch type, 3-pole, 4-6 A	30.51	4547648326995
234284	J7MN-3P-8	Motor-protective circuit breaker, switch type, 3-pole, 5-8 A	30.51	4547648327008
234276	J7MN-3P-E25	Motor-protective circuit breaker, switch type, 3-pole, 0.16-0.25 A	27.35	4547648326926
234277	J7MN-3P-E4	Motor-protective circuit breaker, switch type, 3-pole, 0.25-0.4 A	27.35	4547648326933
234278	J7MN-3P-E63	Motor-protective circuit breaker, switch type, 3-pole, 0.4 A-0.63 A	27.35	4547648326940
234295	J7MN-3R-1	Motor-protective circuit breaker, rotary type, 3-pole, 0.63-1 A	34.41	4547648327114
234301	J7MN-3R-10	Motor-protective circuit breaker, rotary type, 3-pole, 6-10 A	40.33	4547648327176
234302	J7MN-3R-13	Motor-protective circuit breaker, rotary type, 3-pole, 9-13 A	63.45	4547648327183
234303	J7MN-3R-17	Motor-protective circuit breaker, rotary type, 3-pole, 11-17 A	40.98	4547648327190
234296	J7MN-3R-1E6	Motor-protective circuit breaker, rotary type, 3-pole, 1-1.6 A	44.11	4547648327121
234304	J7MN-3R-22	Motor-protective circuit breaker, rotary type, 3-pole, 14-22 A	42.07	4547648327206
234305	J7MN-3R-26	Motor-protective circuit breaker, rotary type, 3-pole, 18-26 A	95.00	4547648327213
234297	J7MN-3R-2E5	Motor-protective circuit breaker, rotary type, 3-pole, 1.6-2.5 A	34.79	4547648327138
234306	J7MN-3R-32	Motor-protective circuit breaker, rotary type, 3-pole, 22-32 A	52.35	4547648327220
234298	J7MN-3R-4	Motor-protective circuit breaker, rotary type, 3-pole, 2.5-4 A	39.44	4547648327145
234299	J7MN-3R-6	Motor-protective circuit breaker, rotary type, 3-pole, 4-6 A	36.66	4547648327152
234300	J7MN-3R-8	Motor-protective circuit breaker, rotary type, 3-pole, 5-8 A	36.66	4547648327169
234294	J7MN-3R-E63	Motor-protective circuit breaker, rotary type, 3-pole, 0.4-0.63 A	32.35	4547648327107
234308	J7MN-6R-32	Motor-protective circuit breaker, rotary type, 3-pole, 22-32 A	103.80	4547648327244
234309	J7MN-6R-40	Motor-protective circuit breaker, rotary type, 3-pole, 28-40 A	164.70	4547648327251
234310	J7MN-6R-50	Motor-protective circuit breaker, rotary type, 3-pole, 34-50 A	173.70	4547648327268
234311	J7MN-6R-63	Motor-protective circuit breaker, rotary type, 3-pole, 45-63 A	185.30	4547648327275
234313	J7MN-9R-75	Motor-protective circuit breaker, rotary type, 3-pole, 55-75 A	149.90	4547648327299

Short item number	Order code	Description	Price EUR	GTIN
234316	J77MN-11F	Auxiliary contacts, standard, 1M1B, for top mounting for all J7MN*R/*P	6.20	4547648327329
234320	J77MN-11S	Auxiliary contacts, standard, 1M1B, for left hand side mounting for all J7MN*R/*P	9.80	4547648327367
234318	J77MN-20F	Auxiliary contacts, standard, 2M, for top mounting for all J7MN*R/*P	7.41	4547648327343
355552	J77MN-BTC-63-E	Line side terminal 3-pole, IEC/EN 60949	6.19	4548583066458
355558	J77MN-BTC-63-SE	Line side terminal 3-pole, IEC/EN 60950, spade terminals	6.07	4548583066519
355560	J77MN-CPM-3-45-2	J7MN-3, 3 phase busbar for 2 MPCBs, 45 mm spacing	5.00	4548583066533
355554	J77MN-CPM-3-45-2S	J7MN-3, 3 phase busbar for 2 MPCBs, 45 mm spacing, spade connectors	5.00	4548583066472
355561	J77MN-CPM-3-45-3	J7MN-3, 3 phase busbar for 3 MPCBs, 45 mm spacing	6.40	4548583066540
355555	J77MN-CPM-3-45-3S	J7MN-3, 3 phase busbar for 3 MPCBs, 45 mm spacing, spade connectors	6.40	4548583066489
355562	J77MN-CPM-3-45-4	J7MN-3, 3 phase busbar for 4 MPCBs, 45 mm spacing	7.97	4548583066557
355556	J77MN-CPM-3-45-4S	J7MN-3, 3 phase busbar for 4 MPCBs, 45 mm spacing, spade connectors	7.97	4548583066496
355563	J77MN-CPM-3-45-5	J7MN-3, 3 phase busbar for 4 MPCBs, 45 mm spacing	8.50	4548583066564
355557	J77MN-CPM-3-45-5S	J7MN-3, 3 phase busbar for 5 MPCBs, 45 mm spacing, spade connectors	8.50	4548583066502
265650	J77MN-DC-3R-315-B	Door-coupling, rotary operating mechanisms, black	58.35	4547648327527
234811	J77MN-PF-3R	Plastic enclose with rotary operating mechanism, lockable space for aux. contact + release, IP65	15.47	4547648394345
234344	J77MN-VKA-3	Link modules MPCB (J7MN3) to J7KNA (DIN-rail adapter not required)	3.88	4547648327619
234345	J77MN-VKN-3	Link modules MPCB (J7MN3) to J7KN (DIN-rail adaptor not required)	3.90	4547648327626





### Slim-line relays monitor three-phase motor temperature, phase sequence and phase loss.

K8AK-TS relays monitor the temperature of the motor's thermal protection. K8AK-PT monitors temperature, phase sequence and phase loss for 3-phase, 3-wire motors in one unit.

- Specially designed for internal motor monitoring: no setting required
- Test/Reset button for confirmation of output operation
- Reset operation: automatic or manual
- Robust operating temperature: -20 to 60 °C

Short item number	Order code	Description	Price EUR	GTIN
387480	K8AK-PT1 100-240VAC	Monitoring relay 22.5mm wide, temperature monitoring and phase sequence and phase loss, 100 to 240 VAC, one SPDT	32.41	4548583506657
387478	K8AK-TS1 100-240VAC	Monitoring relay 22.5mm wide, temperature monitoring, 100 to 240 VAC, one SPDT	19.84	4548583506633
387479	K8AK-TS1 24VAC/DC	Monitoring relay 22.5mm wide, temperature monitoring, 24 VAC/VDC, one SPDT	19.81	4548583506640



### Temperature monitoring relay

Ideal to prevent heater overheating. Self-latching output to contribute to safe equipment operation.

- Set the temperature with ultra-simple rotary switches
- Digitally set the temperature to between 0 and 999°C in 1°C increments (K8DT-TH1\_\_\_), or between 0 and 1,800°C in 10°C increments (K8DT-TH2\_\_\_)
- Connect a thermocouple or platinum resistance thermometer
- Width of 17.5 mm to reduce space required in panels
- Push-in plus Technology that reduce wiring work
- UL listed for easy shipping to North America
- Double-insertion holes for crossover wiring (all terminals)
- Models added with transistor outputs for superior contact reliability

Short item number	Order code	Description	Price EUR	GTIN
669503	K8DT-TH1CA	Monitoring relay 17.5mm wide, over or under temperature, 0-999 °C/F Thermocouple and PT100 input types, 1 x SPDT, 100-240 VAC	48.57	4548583773998
669467	K8DT-TH1CD	Monitoring relay 17.5mm wide, over or under temperature, 0-999 °C/F Thermocouple and PT100 input types, 1 x SPDT, 24 V AC/DC	48.57	4548583774032





### Single-phase current relay

Detect errors in motors and other equipment through current changes. Use in either overcurrent or undercurrent mode.

- Monitor AC or DC currents with one relay.
- Use with commercially available CTs (CT secondary side: 0 to 1 A or 0 to 5 A).
- Settings for the operating value, hysteresis, startup lock time, and operating time.
- Width of 17.5 mm to reduce space required in panels.
- Push-in plus Technology that reduce wiring work.
- UL listed for easy shipping to North America.
- Double-insertion holes for crossover wiring (all terminals).
- Models added with transistor outputs for superior contact reliability.
- RoHS compliant

Short item number	Order code	Description	Price EUR	GTIN
669484	K8DT-AS1CD	Monitoring relay 17.5mm wide, Single phase over or under current 2 to 500 mA AC /DC, 1 x SPDT, 24 V AC/DC	37.80	4548583773516
669480	K8DT-AS2CA	Monitoring relay 17.5mm wide, Single phase over or under current 0.1 to 5 A AC /DC, 1 x SPDT, 100-240 VAC	39.14	4548583773462
669498	K8DT-AS2CD	Monitoring relay 17.5mm wide, Single phase over or under current 0.1 to 5 A AC /DC, 1 x SPDT, 24 V AC/DC	39.14	4548583773523



### Single-phase current relay

These single-phase current relays monitor over- and undercurrents. Manual resetting and automatic resetting are supported by one relay. The start-up lock and operating time can be set separately. The relay warning status is easily monitored with the LED indicator.

- **Single-phase current relay** In 22.5 mm wide industrial housing Under or over control-  
Supply voltages: 24 VAC/DC, 100 to 240 VAC Easy wiring with ferrules

Short item number	Order code	Description	Price EUR	GTIN
378158	K8AK-AS1 100-240VAC	Monitoring relay 22.5mm wide, Single phase over or under current 2 to 500mA AC or DC, One SPDT, 100-240 VAC	31.96	4548583402225
378159	K8AK-AS1 24VAC/DC	Monitoring relay 22.5mm wide, Single phase over or under current 2 to 500mA AC or DC, One SPDT, 24VAC/DC	33.34	4548583402232
378160	K8AK-AS2 100-240VAC	Monitoring relay 22.5mm wide, Single phase over or under current 0.1 to 8A AC or DC, One SPDT, 100-240 VAC	34.74	4548583402249
378161	K8AK-AS2 24VAC/DC	Monitoring relay 22.5mm wide, Single phase over or under current 0.1 to 8A AC or DC, One SPDT, 24VAC/DC	36.11	4548583402256
378162	K8AK-AS3 100-240VAC	Monitoring relay 22.5mm wide, Single phase over or under current 10 to 200A AC (External CT required), One SPDT, 100-240 VAC	38.33	4548583402263
378163	K8AK-AS3 24VAC/DC	Monitoring relay 22.5mm wide, Single phase over or under current 10 to 200A AC (External CT required), One SPDT, 24VAC/DC	38.33	4548583402270



### Single-phase current relay, window type

These single-phase current relays monitor over- and undercurrents. Manual resetting and automatic resetting are supported by one relay. The start-up lock and operating time can be set separately. The relay warning status is easily monitored with the LED indicator.

- Single-phase current window relay
- In 22.5 mm wide industrial housing
- Under and over control
- Supply voltages: 24 VAC/DC, 100 to 240 VAC
- Easy wiring with ferrules

Short item number	Order code	Description	Price EUR	GTIN
378166	K8AK-AW2 100-240VAC	Monitoring relay 22.5mm wide, Single phase over or under current 0.1 to 8A AC or DC, Two SPDT, 100-240 VAC	29.18	4548583402300



### Single-phase overvoltage/undervoltage relay

Detect abnormal voltages applies to equipment to protect against equipment failure. Monitor for overvoltages and undervoltages simultaneously with one relay.

- Monitor AC or DC voltages with one relay
- Settings for the operating value, hysteresis, and operating time
- Width of 17.5 mm to reduce space required in panels
- Push-in plus Technology that reduce wiring work
- UL listed for easy shipping to North America
- Double-insertion holes for crossover wiring (all terminals)
- Models added with transistor outputs for superior contact reliability
- RoHS compliant

Short item number	Order code	Description	Price EUR	GTIN
669499	K8DT-VW2TD	Monitoring relay 17.5mm wide, Single phase over and under voltage 1 to 150 V AC /DC, 1 x Transistor, 24 V AC/DC	39.14	4548583773837



### Single-phase voltage relay

These single-phase voltage relays are for monitoring over- and undervoltages. Manual resetting and automatic resetting are supported by one relay. Relay warning status can easily be monitored using the LED indicator.

- Single-phase voltage relay In 22.5 mm wide industrial housing Under or over control- Supply voltages: 24 VAC/DC, 100 to 240 VAC Easy wiring with ferrules

Short item number	Order code	Description	Price EUR	GTIN
378170	K8AK-VS2 100-240VAC	Monitoring relay 22.5mm wide, Single phase over or under voltage 1 to 150V AC or DC, One SPDT, 100-240 VAC	27.76	4548583402348
378171	K8AK-VS2 24VAC/DC	Monitoring relay 22.5mm wide, Single phase over or under voltage 1 to 150V AC or DC, One SPDT, 24VAC/DC	27.76	4548583402355
378172	K8AK-VS3 100-240VAC	Monitoring relay 22.5mm wide, Single phase over or under voltage 20 to 600V AC or DC, One SPDT, 100-240 VAC	29.18	4548583402362
378173	K8AK-VS3 24VAC/DC	Monitoring relay 22.5mm wide, Single phase over or under voltage 20 to 600V AC or DC, One SPDT, 24VAC/DC	29.18	4548583402379



### Single-phase voltage relay, window type

For monitoring over- and undervoltages simultaneously. Manual resetting and automatic resetting are supported by one relay. Separate settings and outputs are supported for over- and undervoltages. Relay warning status can easily be monitored with the LED indicator.

- Single-phase voltage window relay
- In 22.5 mm wide industrial housing
- Under and over, low/low or high/high control
- Supply voltages: 24 VAC/DC, 100 to 240 VAC
- Easy wiring with ferrules

Short item number	Order code	Description	Price EUR	GTIN
378174	K8AK-VW2 100-240VAC	Monitoring relay 22.5mm wide, Single phase over or under voltage 1 to 150V AC or DC, Two SPDT, 100-240 VAC	27.87	4548583402386
378175	K8AK-VW2 24VAC/DC	Monitoring relay 22.5mm wide, Single phase over or under voltage 1 to 150V AC or DC, Two SPDT, 24VAC/DC	27.76	4548583402393
378176	K8AK-VW3 100-240VAC	Monitoring relay 22.5mm wide, Single phase over or under voltage 20 to 600V AC or DC, Two SPDT, 100-240 VAC	29.18	4548583402409



### Phase-sequence phase-loss relay

Protect motors and other equipment from unstable voltages in the power supply system. Protect motors and other equipment by detecting phase sequence and phase loss for three-phase power supplies.

- Global application with power supply range of 200 to 480 V with one relay
- Greater resistance to inverter noise
- Width of 17.5 mm to reduce space required in panels
- Push-in plus Technology that reduce wiring work
- UL listed for easy shipping to North America
- Double-insertion holes for crossover wiring (all terminals)
- Models added with transistor outputs for superior contact reliability
- RoHS compliant

Short item number	Order code	Description	Price EUR	GTIN
669476	K8DT-PH1CN	Monitoring relay 17.5mm wide, phase sequence and loss in 3 phase 3 wire, 200-480 VAC, 1 x SPDT	26.99	4548583773851



### 3-phase sequence, phase-loss relay

The K8AK-PH1 monitoring relay is designed to monitor 3-phase 3-wire supplies. It simultaneously monitors phase sequence and phase loss during start up as well as phase loss during operation. The output relay releases when alarm conditions are detected, and the warning status can easily be monitored using the LED indicator. Suitable for industrial facilities and equipment.

- **Monitors phase sequence and phase-loss simultaneously** Measuring range: 200 to 480 VAC Power supply voltage is the same as measuring voltage Operation reaction time: 0.1 s maximum

Short item number	Order code	Description	Price EUR	GTIN
378178	K8AK-PH1	Monitoring relay 22.5mm wide, simultaneous monitoring of phase sequence and loss in 3phase 3wire systems, One DPDT	21.39	4548583402423



### 3-phase sequence, phase loss relay

The K8DS-PH1 is a monitoring relay designed at only 17.5 mm wide with simplified functions for 3-phase 3 wire supplies. It simultaneously monitors phase sequence and phase loss during start up as well as phase loss during operation. The output relay releases when alarm conditions are detected, and the warning status can easily be monitored using the LED indicator.

- Monitors phase sequence and phase-loss simultaneously Measuring range: 200 to 480 VAC Power supply voltage is the same as measuring voltage Operation reaction time: 0.1 s maximum

Short item number	Order code	Description	Price EUR	GTIN
378191	K8DS-PH1	Monitoring relay 17.5mm wide, simultaneous monitoring of phase sequence and loss in 3phase 3wire systems, One SPDT	19.43	4548583402553



### Three-phase voltage and phase-sequence phase-loss relay

Protect motors and other equipment from unstable voltages in the power supply system. Protect motors and other equipment by detecting overvoltages, undervoltages, phase sequence, and phase loss for three-phase power supplies.

- Phase loss detection while the motor is operating
- Widely applies 3-phase 3-wire system (Changed with a DIP switch)
- Greater resistance to inverter noise
- Width of 17.5 mm to reduce space required in panels
- Push-in plus Technology that reduce wiring work
- UL listed for easy shipping to North America
- Double-insertion holes for crossover wiring (all terminals)
- Models added with transistor outputs for superior contact reliability
- RoHS compliant

Short item number	Order code	Description	Price EUR	GTIN
669523	K8DT-PM1CN	Monitoring relay 17.5mm wide, over/under voltage, phase sequence and loss, 3-phase 3-wire, 200 to 240 VAC, 1 x SPDT	35.09	4548583773875
669510	K8DT-PM2CN	Monitoring relay 17.5mm wide, over/under voltage, phase sequence and loss, 3-phase 3-wire, 380 to 480 VAC, 1 x SPDT	35.09	4548583773882



### 3-phase voltage, phase sequence, phase loss relay

K8AK-PM monitors overvoltages, undervoltages, phase sequence and phase loss for 3-phase, 3-wire or 4-wire power supplies, in one unit. This relay features a switch setting for 3-phase, 3-wire or 3-phase, 4-wire power supply.

- Worldwide power specifications supported by one unit
- Phase sequence, phase loss: Operation reaction time 0.1 s maximum
- Overvoltages or undervoltages: Operation time setting from 0.1 to 30 s
- Relay warning status can easily be monitored using the LED indicator
- Easy wiring with ferrules

Short item number	Order code	Description	Price EUR	GTIN
378181	K8AK-PM1	Monitoring relay 22.5mm wide, sim. monitoring of over-/under-voltage, phase sequ. & loss in 3phase 3wire & 4 wire sys. operating 115 to 240V AC	30.01	4548583402454
378182	K8AK-PM2	Monitoring relay 22.5mm wide, sim. monitoring of over-/under-voltage, phase sequ. & loss in 3phase 3wire & 4 wire sys. operating 220 to 480V AC, 2 SPDT	34.59	4548583402461



### 3-phase voltage, phase sequence, phase loss

K8DS-PM monitors overvoltages, undervoltages, phase sequence and phase loss for 3-phase, in one unit.

- Worldwide power specifications supported by one unit
- Phase sequence, phase loss: Operation reaction time 0.1s maximum
- Overvoltage or undervoltage: Operation time setting from 0.1 to 30s
- Relay warning status can easily be monitored using the LED indicator
- Robust operating temperature: -20 to 60 °C

Short item number	Order code	Description	Price EUR	GTIN
387484	K8DS-PM2	Monitoring relay 17.5mm wide, over/under voltage, phase sequence and loss, 3-phase 3-wire, 380 to 400 VAC, one SPDT	26.44	4548583481565





### 3-phase asymmetry, phase-sequence, phase-loss relay

Monitors voltage asymmetry, phase sequence and phase loss for 3-phase 3-wire or 4-wire power supplies, in one unit.

- Worldwide power specifications supported by one unit
- Phase sequence, phase loss: operation reaction time 0.1s maximum
- Asymmetry: operation time setting from 0.1 to 30s
- Reset method: automatic
- Power ON lock: 1s or 5s

Short item number	Order code	Description	Price EUR	GTIN
378180	K8AK-PA2	Monitoring relay 22.5mm wide, voltage asymmetry and phase sequence and phase loss in 3 and 4 wire systems, 220 to 480V AC, One SPDT	26.42	4548583402447



### 3-phase voltage asymmetry, phase sequence, phase loss

K8DS-PA monitors voltage asymmetry, phase sequence and phase loss for 3-phase, 3-wire power supplies.

- Worldwide power specifications supported by one unit  
Phase sequence, phase loss:  
Operation reaction time 0.1s maximum  
Asymmetry: operation time setting from 0.1 to 30s  
Reset method: automatic  
LED indicators: Power (Green), Relay output (Yellow), Alarm output (Red)  
Robust operating temperature: -20 to 60 °C

Short item number	Order code	Description	Price EUR	GTIN
387486	K8DS-PA2	Monitoring relay 17.5mm wide, asymmetry, phase sequence and loss, 3-phase 3-wire, 380 to 480 VAC, one SPDT	21.89	4548583481589



### Three-phase voltage, asymmetry, and phase-sequence phase-loss relay

Protect motors and other equipment from unstable voltages in the power supply system. Detect overvoltages, undervoltages, voltage asymmetry, phase sequence, and phase loss for three-phase power supplies.

- Phase loss detection while the motor is operating
- Widely applies 3-phase 3-wire system (Changed with a DIP switch)
- Greater resistance to inverter noise
- Width of 17.5 mm to reduce space required in panels
- Push-in plus Technology that reduce wiring work
- UL listed for easy shipping to North America
- Double-insertion holes for crossover wiring (all terminals)
- Models added with transistor outputs for superior contact reliability
- RoHS compliant

Short item number	Order code	Description	Price EUR	GTIN
669497	K8DT-PZ2CN	Monitoring relay 17.5mm wide, over/under voltage, asymmetry, phase sequence and loss, 3-phase 3-wire, 380 to 480 VAC, 1 x SPDT	37.80	4548583773929



### Slim-line three-phase voltage, asymmetry and phase-sequence phase-loss protection

K8DS-PZ monitors undervoltages, overvoltages, voltage asymmetry, phase sequence and phase loss for 3-phases, 3-wire monitoring in one unit.

- **Worldwide power specifications supported by one unit**Front rotary switches allow for easy and accurate configurationReset method: automaticLED indicators: Power (Green), Relay output (Yellow), Alarm output (Red)Robust operating temperature: -20 to 60 °C

Short item number	Order code	Description	Price EUR	GTIN
387488	K8DS-PZ2	Monitoring relay 17.5mm wide, over/under voltage, asymmetry, phase sequence and loss, 3-phase 3-wire, 380 to 480 VAC, one SPDT	36.30	4548583508286



### 3-phase undervoltage and phase-sequence phase-loss relay

The K8DS-PU is the simplified 3-phase monitoring relay, 3-wire circuits within one unit. It can monitor undervoltages, phase sequence and phase loss.

- Greater resistance to inverter noise  
One SPDT output relay, 5 A at 250 VAC (resistive load)  
World-wide power specifications supported by one unit (Set with a rotary switch)  
Relay status can be monitored using LED indicator

Short item number	Order code	Description	Price EUR	GTIN
387482	K8DS-PU2	Monitoring relay 17.5mm wide, under voltage, phase sequence and loss, asymmetry 3-phase 3-wire, 380 to 480 VAC, one SPDT	26.44	4548583481541



### 3-phase voltage relay

Monitors overvoltages and undervoltages for 3-phase 3-wire or 4-wire power supplies, in one unit. Switch setting for 3-phase 3-wire or 3-phase 4-wire power supply.

- Overvoltages or undervoltages: Operation time setting from 0.1 to 30 s  
Relay warning status can easily be monitored using the LED indicator  
Separate outputs possible for overvoltages and undervoltages  
Reset method: Automatic  
Power ON lock: 1 s or 5 s

Short item number	Order code	Description	Price EUR	GTIN
378184	K8AK-PW2	Monitoring relay 22.5 mm wide, 3-phase voltage monitoring, over and under voltages, 3-wire mode: 380, 400, 415 and 480 VAC, 4-wire mode: 220, 230, 240 and 277 VAC, two SPDT	34.22	4548583402485



### Compact plug-in (8-pin) level controller

The 61F-GP-N8 can be used for single- or two-point level control of conductive materials, both liquids and solids. These products are equipped with a red LED operation indicator.

- Low-voltage (AC) electrodes (8VAC or 24VAC)
- Operation range: 4-15kΩ, 70-300kΩ
- Detection method: conductive
- Probes need to be ordered separately
- Conforms to EMC and LVD directives, UL/CSA approved

Short item number	Order code	Description	Price EUR	GTIN
159892	61F-GP-N 110VAC	Floatless level controller	79.90	4536854333163
159981	61F-GP-N 230VAC	Floatless level controller	69.65	4536854336119
159975	61F-GP-N 240VAC	Floatless level controller, 240 VAC	88.45	4536854335891
159968	61F-GP-N2 110VAC	Level sensor, conductive, miniature, plug-in, general-purpose, relay, LED indicator (requires PF083A-E socket), 110 VAC	76.55	4536854335792
159970	61F-GP-N2 220VAC	Level sensor, conductive, miniature, plug-in, general-purpose, relay, LED indicator (requires PF083A-E socket), 220 VAC	78.90	4536854335815
159971	61F-GP-N2 230VAC	Level sensor, conductive, miniature, plug-in, general-purpose, relay, LED indicator (requires PF083A-E socket)	78.90	4536854335822
159972	61F-GP-N2 24VAC	Level sensor, conductive, miniature, plug-in, general-purpose, relay, LED indicator (requires PF083A-E socket), 24 VAC	75.25	4536854335846
159911	61F-GP-N8 110VAC	Level sensor, conductive, compact, plug-in, general-purpose, relay, LED indicator (requires PF083A-E socket), 110 VAC, 8-pin	76.25	4536854333828
159913	61F-GP-N8 230VAC	Level sensor, conductive, compact, plug-in, general-purpose, relay, LED indicator (requires PF083A-E socket), 230 VAC, 8-pin	74.25	4536854333866
159915	61F-GP-N8 24VAC	Level sensor, conductive, compact, plug-in, general-purpose, relay, LED indicator (requires PF083A-E socket), 24 VAC, 8-pin	75.60	4536854333880
105293	61F-GP-N8H 230VAC	Level sensor, conductive, compact, plug-in, high-sensitivity, relay, LED indicator (requires PF083A-E socket), 230 VAC	89.15	4536854334023
157405	61F-GP-N8H 24VAC	Level sensor, conductive, compact, plug-in, high-sensitivity, relay, LED indicator (requires PF083A-E socket), 24 VAC	85.15	4536854334047

Short item number	Order code	Description	Price EUR	GTIN
137182	BF-1	Electrode holder, 1-pole electrode, standard type (150°C), liquid with low specific resistance	24.84	4536853143343
137183	BF-3	Electrode holder, 3 way, standard type (150°C)	50.90	4536853143350
137186	BS-1	Electrode holder, 1-pol electrode, for high pressure or high temperature applications (250°C), 1.96Mpa	47.18	4536853143695
155001	F03-01 SUS201	Electrode, stainless steel, 1 m length, 6 mm dia., extendable	8.83	4536853384531
153056	F03-01 SUS316	Electrode, stainless steel, 1m length, 6mm dia, extendable	17.63	4536853384548
127405	F03-02 SUS201	Electrode connecting nut	2.18	4536853384586
127406	F03-02 SUS316	Electrode lock nut, 1 piece	3.67	4536853384593
127409	F03-03 SUS304	Electrode lock nut with washer	0.46	4536853384630
156416	F03-03 SUS316	Electrode lock nut, with 2 number of parts in an set	1.12	4536853384647
144315	F03-11	Floatless level controller accessory	27.41	4536853384739
127415	F03-12	PS Electrode Holder Mounting Plate	14.79	4536853384746
153057	F03-14-3P	Electrode separator, 3 electrodes, ceramic, 250°C max, 30g	2.74	4536853384777
151994	PFC-N8	Retaining clips for 61F-GP-N8 level controller & PF083A-E socket	2.12	4536853385149
143136	PS-31 SUS304 1000MM	Electrode set, holder & electrodes, 1 m length, 4 mm diameter, non-extendable	33.40	4536853724153
157459	PS-31 SUS304 300MM	Electrode set, holder & electrodes, 0.3 m length, 4 mm diameter, non-extendable	30.41	4536853724160
176624	PS-3S	Electrode holder, 3 way	26.01	4547648047791
176625	PS-4S	Electrode holder, 4 way	30.41	4547648047814
176626	PS-5S	Electrode holder, 5 way	34.04	4547648047838



### Compact plug-in (11-pin) level controller (DC supply)

This controller is for single- or two-point level control. 24VDC supply allows for usage in locations without AC power supply. Relay contact chattering usually caused by waves has been eliminated by using open collector output, reducing contact wear.

- Adjustable sensitivity: operation range: 0-100k $\Omega$
- Red LED for operation indicator
- Conforms to EMC and LVD directives
- UL/CSA approved
- Probes need to be ordered separately

Short item number	Order code	Description	Price EUR	GTIN
143687	61F-GPN-BC 24VDC	Level sensor, DC Power supply, conductive, variable sensitivity, plug-in, general-purpose, relay output, LED indicator (requires PF113A-E socket), 24VDC	152.60	4536854845468
159956	61F-GPN-BT 24VDC	Level sensor, DC Power supply, conductive, variable sensitivity, plug-in, general-purpose, transistor output, LED indicator (requires PF113A-E socket), 24VDC	147.70	4536854728013



### 17.5 mm wide conductive level controller

Ideal for water level control. Sensitivity adjustment and timer for easy usage.

- Sensitivity adjustment from 10k to 100 k $\Omega$
- Enables easy onsite adjustment
- ON-delay timer from 0.1 to 10 s
- Ideal as countermeasure for waves on liquid surfaces
- Width of 17.5 mm to reduce space required in panels
- Push-in plus Technology that reduce wiring work
- UL listed for easy shipping to North America
- Double-insertion holes for crossover wiring (all terminals)
- Models with transistor outputs added for low contact wear
- RoHS compliant

Short item number	Order code	Description	Price EUR	GTIN
669486	K8DT-LS1CA	Monitoring relay 17.5 mm wide, Conductive level control for liquid, 10k to 100k Ohm, 1 x SPDT, 100-240 VAC	35.09	4548583773950
669464	K8DT-LS1CD	Monitoring relay 17.5 mm wide, Conductive level control for liquid, 10k to 100k Ohm, 1 x SPDT, 24 V AC/DC	35.09	4548583773974
669450	K8DT-LS1TD	Monitoring relay 17.5 mm wide, Conductive level control for liquid, 10k to 100k Ohm, 1 x Transistor, 24 V AC/DC	35.09	4548583773981



### 22.5 mm wide conductive level controller

The K8AK-LS1 is a conductive level controller in a 22.5 mm wide industrial housing. Via DIP switches its function (supply or drainage) can be selected. This product is for single- or two-point level control.

- Time delay function up to 10 s
- Supply voltages: 24 VAC/DC and 100 to 240 VAC
- Control output: Relay 5 A at 250 VAC resistive load
- Probes cable length: Max. 100 m from controller
- LED indicator: Green for power ON, yellow for output relay

Short item number	Order code	Description	Price EUR	GTIN
378185	K8AK-LS1 100-240VAC	Monitoring relay 22.5 mm wide, Conductive level control for liquid, 10k to 100k Ohm, One SPDT, 100-240 VAC	22.32	4548583402492
378186	K8AK-LS1 24VAC/DC	Monitoring relay 22.5 mm wide, Conductive level control for liquid, 10k to 100k Ohm, One SPDT, 24VAC/DC	22.76	4548583402508



### Ultra-miniature liquid leakage sensor amplifier

The Plug-in socket with Push-in plus technology, P2RF-08-PU is available for easy wiring. K7L detects a wide variety of liquids, ranging from water to liquid chemicals with low conductivity.

- Operation range: Up to 50 MΩ
- Four sensing ranges available
- Detection method: Conductive
- Two LEDs: Green for power supplied, red for output indication
- Conforms to EMC and LVD Directives, UL/CSA approved

Short item number	Order code	Description	Price EUR	GTIN
117007	K7L-AT50	Liquid leakage sensor, conductive, miniature plug-in, adjustable sensitivity settings - 250 Kohm up to 50 Mohm (requires P2RF-08-E socket)	233.90	4536854465079
669530	K7L-AT50B	Liquid leakage sensor, conductive, miniature plug-in, adjustable sensitivity settings - 250 Kohm up to 50M ohm, Black color	260.10	4548583792883
669533	K7L-UB	Liquid leakage sensor, conductive, miniature plug-in, adjustable sensitivity settings - 1M ohm, Long distance wiring, Black color	271.20	4548583792890

Short item number	Order code	Description	Price EUR	GTIN
149720	F03-16PE-2M	Electrode band, stainless steel with polyethelene cover	55.10	4536854513442
127430	F03-16PE-5M	Sensing band sticker, polyethylene, greater durability and condensation resistance.	135.90	4536854513459
175703	F03-16PS	Floatless level controller accessory, liquid leakage point sensor, polyethylene, outer sheath:PVC, inner sheath:Fluoroplastic, SUS304 electrode material	82.20	4547648088015
175704	F03-16PS-F	Point Sensor, electrodes have fluoroplastic coating to resist chemicals.	110.70	4547648088022
165136	F03-26PES	Mounting bracket and sticker, sensing band sticker, Used for F03-16PE (adhesive tape).	39.94	4536854718342
127425	F03-31	Floatless level controller accessory	11.99	4536853384876

## Additional monitoring products

## Additional monitoring products

Short item number	Order code	Description	Price EUR	GTIN
184037	K8AC-CT200L	Current transformer for K8AB-AS3, high current monitoring capacity	58.50	4547648140492



## 22-mm Pushbutton switches with universal design



Round pushbutton switches available with a choice of plastic, brushed metal and metal bezels for both lighted and non-lighted options. Emphasis has been placed on color coding, workability and design.

- Variety of bezel and color options with aesthetic design.
- Mounting depth less than 46.8 mm below panel.
- Up to 6 contact blocks (3 contact blocks across and 2 rows deep).
- Symmetrical contact block.
- Push-in Plus terminal block type.
- Snap-in switch unit for quick and easy mounting.
- RoHS compliant.

Short item number	Order code	Description	Price EUR	GTIN
660674	A22NL-BGM-TGA-G102-GC	Pushbutton A22NL 22 dia., bezel plastic, full guard, momentary, cap color transparent green, LED green, 1N01NC, 24 VDC	10.21	4548583635722
664829	A22NZ-2BM-01BA	Selector A22NZ 22 dia., Key type S, 2 position, bezel plastic, manual, release position left	15.20	4548583717602
660926	A22NZ-2BM-NBA	Selector A22NZ 22 dia., 2 position, NON-Lighted, bezel plastic, manual, color black	4.68	4548583715486
664707	A22NZ-2BM-TYA	Selector A22NZ 22 dia., 2 position, Lighted, bezel plastic, manual, color yellow	3.35	4548583715516
664883	A22NZ-2MM-01BA	Selector A22NZ 22 dia., Key type S, 2 position, bezel brushed M, manual, release position left	13.04	4548583717640
660010	A22NZ-2MM-NBA	Selector A22NZ Ø22, 2 position, NON-Lighted, bezel brushed metal, MANUAL, COLOR BLACK	3.58	4548583715721
666621	A22NZ-2MM-TGA	Selector A22NZ Ø22, 2 position, Lighted, bezel brushed M, MANUAL, COLOR GREEN	3.58	4548583715745
666627	A22NZ-3BB-NBA	Selector A22NZ 22 dia., 3 position, NON-Lighted, bezel plastic, auto reset on L/R, color black	4.87	4548583716568
660930	A22NZ-3BM-NBA	Selector A22NZ 22 dia., 3 position, NON-Lighted, bezel plastic, manual, color black	4.87	4548583716209
659819	A22NZ-A-301	Pushbutton accessory A22NZ, Tightening Wrench	15.95	4548583718395
661690	A22NZ-A-302	Pushbutton accessory A22NZ, LED Lamp Extractor	3.12	4548583718401
664306	A22NZ-A-303	Pushbutton accessory A22NZ, Protective Cover	3.12	4548583718418
663413	A22NZ-A-50103	Pushbutton accessory A22NZ 22 dia., Small Legend Plate Frame	3.12	4548583718463
665523	A22NZ-A-50501	Pushbutton accessory A22NZ Ø22, Lock Ring	3.12	4548583718487
666229	A22NZ-A-51103	Pushbutton accessory A22NZ 22 dia., Large Legend Plate Frame	3.12	4548583718470
660760	A22NZ-A-B01Y	Pushbutton accessory A22NZ 22 dia. Control Box	8.51	4548583718456
666228	A22NZ-A-C01	Pushbutton accessory A22NZ, Reinforcement Plate	3.24	4548583718500
666194	A22NZ-BGM-NAA	Pushbutton A22NZ 22 dia., bezel plastic, full guard, momentary, cap color opaque blue	3.36	4548583711877
666481	A22NZ-BGM-NGA	Pushbutton A22NZ 22 dia., bezel plastic, full guard, momentary, cap color opaque green	3.36	4548583711846
664461	A22NZ-BGM-NRA	Pushbutton A22NZ 22 dia., bezel plastic, full guard, momentary, cap color opaque red	3.36	4548583711839
664548	A22NZ-BGM-NWA	Pushbutton A22NZ Ø22, bezel plastic, FULL GUARD, MOMENTARY, CAP COLOR Opaque WHITE	3.36	4548583711860
667104	A22NZ-BGM-TAA	Pushbutton A22NZ 22 dia., bezel plastic, full guard, momentary, cap color transparent blue, lighted	3.36	4548583711938
662398	A22NZ-BGM-TGA	Pushbutton A22NZ 22 dia., bezel plastic, full guard, momentary, cap color transparent green, lighted	3.36	4548583711907
664971	A22NZ-BGM-TRA	Pushbutton A22NZ 22 dia., bezel plastic, full guard, momentary, cap color transparent red, lighted	3.36	4548583711891
663373	A22NZ-BGM-TWA	Pushbutton A22NZ 22 dia., bezel plastic, full guard, momentary, cap color transparent white, lighted	3.41	4548583711921
663382	A22NZ-BGM-TYA	Pushbutton A22NZ 22 dia., bezel plastic, full guard, momentary, cap color transparent yellow, lighted	3.41	4548583711914
662397	A22NZ-BMM-NBA	Pushbutton A22NZ 22 dia., bezel plastic, mushroom, momentary, cap color opaque black	3.74	4548583712065
665233	A22NZ-BMM-NGA	Pushbutton A22NZ 22 dia., bezel plastic, mushroom, momentary, cap color opaque green	3.36	4548583712027
667103	A22NZ-BMM-NRA	Pushbutton A22NZ 22 dia., bezel plastic, mushroom, momentary, cap color opaque red	3.36	4548583712010
662116	A22NZ-BNM-NAA	Pushbutton A22NZ 22 dia., bezel plastic, flat, momentary, cap color opaque blue	3.74	4548583711518
661703	A22NZ-BNM-NBA	Pushbutton A22NZ 22 dia., bezel plastic, flat, momentary, cap color opaque black	3.74	4548583711525
660475	A22NZ-BNM-NGA	Pushbutton A22NZ 22 dia., bezel plastic, flat, momentary, cap color opaque green	3.74	4548583711488
664957	A22NZ-BNM-NRA	Pushbutton A22NZ 22 dia., bezel plastic, flat, momentary, cap color opaque red	3.89	4548583711471
662117	A22NZ-BNM-NWA	Pushbutton A22NZ 22 dia., bezel plastic, flat, momentary, cap color opaque white	3.89	4548583711501
661170	A22NZ-BNM-NYA	Pushbutton A22NZ 22 dia., bezel plastic, flat, momentary, cap color opaque yellow	3.75	4548583711495
661165	A22NZ-BNM-TAA	Pushbutton A22NZ 22 dia., bezel plastic, flat, momentary, cap color transparent blue, lighted	2.36	4548583711570
662121	A22NZ-BNM-TGA	Pushbutton A22NZ Ø22, bezel plastic, FLAT, MOMENTARY, CAP COLOR Transparent GREEN, LIGHTED	2.36	4548583711549
660238	A22NZ-BNM-TRA	Pushbutton A22NZ Ø22, bezel plastic, FLAT, MOMENTARY, CAP COLOR Transparent RED, LIGHTED	2.36	4548583711532
663647	A22NZ-BNM-TWA	Pushbutton A22NZ 22 dia., bezel plastic, flat, momentary, cap color transparent white, lighted	2.36	4548583711563
663117	A22NZ-BNM-TYA	Pushbutton A22NZ Ø22, bezel plastic, FLAT, MOMENTARY, CAP COLOR Transparent YELLOW, LIGHTED	2.36	4548583711556
665541	A22NZ-BPM-TGA	Pushbutton A22NZ 22 dia., bezel plastic, projected, momentary, cap color transparent green, lighted	3.36	4548583711723
662415	A22NZ-H-01	Pushbutton accessory A22NZ, Mounting Collar	2.67	4548583718081
661431	A22NZ-K-01	Pushbutton accessory A22NZ, Key	9.60	4548583718494
662694	A22NZ-L-AC	Pushbutton accessory A22NZ, blue LED Lamp 24 VAC/DC	3.34	4548583718241
666218	A22NZ-L-GB	Pushbutton accessory A22NZ, Green LED Lamp 12 VAC/DC	4.14	4548583718166

Short item number	Order code	Description	Price EUR	GTIN
663627	A22NZ-L-GC	Pushbutton accessory A22NZ, green LED Lamp 24 VAC/DC	3.34	4548583718227
666451	A22NZ-L-GE	Pushbutton accessory A22NZ, green LED Lamp 200/220/230 VAC	3.77	4548583718340
663615	A22NZ-L-RC	Pushbutton accessory A22NZ, Red LED Lamp 24 VAC/DC	3.34	4548583718210
666442	A22NZ-L-RE	Pushbutton accessory A22NZ, red LED Lamp 200/220/230 VAC	3.49	4548583718333
664307	A22NZ-L-WC	Pushbutton accessory A22NZ, White LED Lamp 24 VAC/DC	3.64	4548583718258
662716	A22NZ-L-YC	Pushbutton accessory A22NZ, Yellow LED Lamp 24 VAC/DC	3.34	4548583718234
665251	A22NZ-L-YE	Pushbutton accessory A22NZ, Yellow LED Lamp 200/220/230 VAC	3.49	4548583718357
661179	A22NZ-MNM-NBA	Pushbutton A22NZ 22 dia., bezel brushed metal, flat, momentary, cap color opaque black	3.85	4548583712249
665935	A22NZ-MNM-TGA	Pushbutton A22NZ 22 dia., bezel brushed metal, flat, momentary, cap color transparent green, lighted	3.85	4548583712263
664982	A22NZ-MNM-TRA	Pushbutton A22NZ Ø22, bezel brushed metal, FLAT, MOMENTARY, CAP COLOR Transparent RED, LIGHTED	3.85	4548583712256
667274	A22NZ-S-G1A	Pushbutton A22NZ, Contact Block SPST-NO (blue)	2.65	4548583718012
661432	A22NZ-S-G1B	Pushbutton A22NZ, Contact Block SPST-NC (orange)	2.65	4548583718029
662692	A22NZ-T-B	Pushbutton accessory A22NZ, Lighting Unit 12 VAC/VDC	3.05	4548583718043
665524	A22NZ-T-C	Pushbutton accessory A22NZ, Lighting Unit 24 VAC/VDC	2.56	4548583718050
662693	A22NZ-T-E	Pushbutton accessory A22NZ, Lighting Unit 200/220/230 VAC	3.05	4548583718074

Short item number	Order code	Description	Price EUR	GTIN
672599	A22NZ-S-P1A	A22N Contact blocks, SPST-NO, push-in terminal	5.07	4548583920903
672624	A22NZ-S-P1B	A22N Contact blocks, SPST-NC, push-in terminal	5.07	4548583920910
672593	A22NZ-S-P2A	A22N Contact blocks, DPST-NO, push-in terminal	9.85	4548583920927
672587	A22NZ-S-P2B	A22N contact blocks, DPST-NC, push-in terminal	9.75	4548583920934
672619	A22NZ-S-P2C	A22N Contact blocks, SPST-NO + SPST-NC, push-in terminal	9.82	4548583920941
679754	A22NZ-T-APN	Lighting unit .Push-In, 6 VAC/DC	6.91	4549734144841
672613	A22NZ-T-CP	A22N Lighting Units, 24 VAC/DC, push-in terminal	4.90	4548583920972
679757	A22NZ-T-CPN	Lighting unit. Push-In, 24 VAC/DC	6.91	4549734144865
679755	A22NZ-T-DPN	Lighting unit. Push-In, 100, 110, 120 VAC	8.21	4549734144872
672620	A22NZ-T-EP	A22N Lighting Units, 200/220/230/240 VAC, push-in terminal	8.87	4548583920996



### 16mm pushbutton switch

These subassembled pushbutton switches have a modular construction: pushbutton + case + lamp (if applicable) + switch. A16 is a nut-mounted pushbutton switch with a short mounting depth of less than 28.5mm below panel.

- Wide variety of control and signal devices: lighted, non-lighted and buzzer
- Quick and easy assembly, snap-in switch
- Wide range of switching capacity from standard load to micro load
- High reliability, IP65
- UL, cUL and CSA approved, conforms to EN60947-5-1 and IEC947-5-1

Short item number	Order code	Description	Price EUR	GTIN
160076	A16-1	Switch unit, SPDT, 5 A (125 VAC)/ 3 A (230 VAC), solder terminal	5.62	4536853010263
160077	A16-2	Switch unit, DPDT, 5 A (125 VAC)/ 3 A (230 VAC), solder terminal	8.83	4536853010270
104631	A16-24	Incandescent lamp, 24 VAC/DC	3.37	4536853009625
160007	A16-24DG	LED, 24 VDC, green	6.25	4536853009632
149210	A16-24DR	LED, 24 VDC, red	5.75	4536853009649
160020	A16-24DSG	LED, 24 VDC, green, superbright	6.08	4536854589089
143445	A16-24DSR	LED, 24 VDC, red, superbright	6.08	4536854589096
105995	A16-24DSW	LED, 24 VDC, white, superbright	5.22	4536854589102
160021	A16-24DSY	LED, 24 VDC, yellow, superbright	6.08	4536854589119
160009	A16-24DY	LED, 24 VDC, yellow	6.08	4536853009663
160037	A16-2S	Switch unit, DPDT, 5 A (125 VAC)/ 3 A (230 VAC)	31.98	4536854611704
144899	A16S-CAM	IP65 case for pushbutton unit, square, momentary or indicator	4.00	4536853009793
160034	A16S-CJM	IP65 case for pushbutton unit, rectangular, momentary or indicator	4.43	4536853009816
160036	A16S-CTM	IP65 case for pushbutton unit, round, momentary or indicator	4.00	4536853009830
103807	A165L-AW	Pushbutton, illuminated, square, IP65, white	3.84	4536853009946
160043	A165L-JB	Pushbutton, illuminated, rectangular, IP65, black	3.84	4536853009885
144900	A165L-JG	Pushbutton, illuminated, rectangular, IP65, green	3.91	4536853009977
160048	A165L-JGY	Pushbutton, illuminated, rectangular, IP65, green for LED only	2.98	4536853009984
160049	A165L-JR	Pushbutton, illuminated, rectangular, IP65, red	3.91	4536853009991
160050	A165L-JW	Pushbutton, illuminated, rectangular, IP65, white	3.91	4536853010003
160051	A165L-JY	Pushbutton, illuminated, rectangular, IP65, yellow	3.91	4536853010010
160053	A165L-TG	Pushbutton, illuminated, round, IP65, green	3.87	4536853010034
160054	A165L-TGY	Pushbutton, illuminated, round, IP65, green for LED only	3.34	4536853010041
160055	A165L-TR	Pushbutton, illuminated, round, IP65, red	3.80	4536853010058
148141	A16-CAA	IP40 case for pushbutton unit, square, latching	3.94	4536853009724
160028	A16-CAM	IP40 case for pushbutton unit, square, momentary or indicator	3.13	4536853009731
160029	A16-CJA	IP40 case for pushbutton unit, rectangular, latching	3.94	4536853009748
160030	A16-CJM	IP40 case for pushbutton unit, rectangular, momentary or indicator	3.13	4536853009755
160031	A16-CTA	IP40 case for pushbutton unit, round, latching	3.94	4536853009762
160032	A16-CTM	IP40 case for pushbutton unit, round, momentary or indicator	3.13	4536853009779
160058	A16L-AA	Pushbutton, illuminated, square, IP40, blue	3.00	4536853010089
160060	A16L-AR	Pushbutton, illuminated, square, IP40, red	3.01	4536853010119
160062	A16L-JG	Pushbutton, illuminated, rectangular, IP40, green	2.90	4536853010157
106052	A16L-JR	Pushbutton, illuminated, rectangular, IP40, red	2.90	4536853010171
160064	A16L-JW	Pushbutton, illuminated, rectangular, IP40, white	2.90	4536853010188
160065	A16L-TG	Pushbutton, illuminated, round, IP40, green	3.01	4536853010218
160741	A16S-2N1	Switch unit, SPDT, 5 A (125 VAC)/ 3 A (230 VAC), for 2 position selector switch, solder terminal	5.59	4536854346385
160743	A16S-2N2	Switch unit, DPDT, 5 A (125 VAC)/ 3 A (230 VAC), for 2 position selector switch, solder terminal	9.62	4536854346408
155154	A16S-2N2L	Switch unit, DPDT, 5 A (125 VAC)/ 3 A (230 VAC), for 2 position selector switch, release in left position, solder terminal	8.83	4536854346415
160744	A16S-3N2	Switch unit, DPDT, 5 A (125 VAC)/ 3 A (230 VAC), for 3 position selector switch, solder terminal	7.26	4536854346446
Short item number	Order code	Description	Price EUR	GTIN
160080	A16ZJ-5050	Switch Guard, For rectangular models	5.56	4536854540080



### 22 mm dia. keyed selector switches with flexible bezel options

These reliable keyed switches are offered in a full range of 2 or 3 release positions with either manual or auto reset operations.

- Extra security available with keyed selector switches, only authorized key-holders can change settings.
- 2- and 3-position switches with manual or automatic reset.
- Mounting depth less than 46.8 mm behind panel.
- Up to 6 contact blocks (3 contact blocks across and 2 rows deep).
- Symmetrical contact block.
- Push-in Plus terminal block type.
- Snap-in switch unit for quick and easy mounting.
- RoHS compliant.

Short item number	Order code	Description	Price EUR	GTIN
662921	A22NK-2RM-01BA-G100	Selector A22NK Ø22, Key type S, 2 position, bezel metal, MANUAL, RELEASE position LEFT, 1NO	14.84	4548583703803



### Key-type selector switch with a mounting aperture of 16mm

A165K nut-mounted, key-type selector switches have a modular construction and a short mounting depth of less than 28.5mm below the panel. They come in a wide range of switching capacities, from standard load to micro load.

- Momentary and latching models available
- Automatic and manual models available
- Modular construction, snap-in switch unit
- Oil-resistant IP65 models
- UL and cUL approved, conforms to EN60947-5-1 and IEC947-5-1

Short item number	Order code	Description	Price EUR	GTIN
160654	A165K-KEY	Spare key for A165K switches	5.72	4536854480225
160670	A165K-T2ML	Selector switch, round, key-type, 2 notches, maintained, IP65, key release left side only	34.69	4536854345081



### Selector switches with universal design, emphasis on color coding, workability and safety

Complete line of 22 mm selectors. These reliable switches are offered in a wide range of colors and bezel material.

- Knob style selector switches provide users with a reliable way to start or choose between machine operations.
- 2 and 3-position switches with manual or automatic reset.
- Mounting depth less than 46.8 mm behind panel.
- Up to 6 contact blocks (3 contact blocks across and 2 rows deep).
- Symmetrical contact block.
- Push-In Plus terminal block type.
- Snap-in switch unit for quick and easy mounting.
- RoHS compliant.

Short item number	Order code	Description	Price EUR	GTIN
661708	A22NS-2BM-NBA-G100-NN	Selector A22NS Ø22, 2 position, NON-Lighted, bezel PLASTIC, MANUAL, COLOR BLACK, 1NO	10.85	4548583658509



### Knob-type selector switch with a mounting aperture of 16mm

A165S/W nut-mounted, knob-type selector switches have a modular construction and a short mounting depth of less than 28.5mm below the panel. They come in a wide range of switching capacities, from standard load to micro load.

- Lighted and non-lighted models available
- Automatic and manual models available
- Modular construction, snap-in switch unit
- Oil-resistant IP65 models
- UL and cUL approved, conforms to EN60947-5-1 and IEC947-5-1

Short item number	Order code	Description	Price EUR	GTIN
152141	A165S-A2M	Selector switch, non-illuminated, lever type, square, 2 notches, maintained, IP65	17.22	4536854345654
160700	A165S-A3M	Selector switch, dia. 16 mm, non-illuminated, lever type, square, 3 notches, maintained, IP65	17.22	4536854345685
160702	A165S-J2M	Selector switch, non-illuminated, lever type, rectangular, 2 notches, maintained, IP65	16.81	4536854345715
152142	A165S-J3M	Selector switch, non-illuminated, lever type, rectangular, 3 notches, maintained, IP65	17.22	4536854345746
160707	A165S-T2M	Selector switch, non-illuminated, lever type, round, 2 notches, maintained, IP65	18.42	4536854345777
160760	A165S-T2M-1	Selector switch complete, dia. 16 mm, non-illuminated, lever type, round, 2 notches, manual reset, IP65, SPDT contact block, solder terminal	17.51	4536854346613
160761	A165S-T2M-2	Selector switch complete, dia. 16 mm, non-illuminated, lever type, round, 2 notches, manual reset, IP65, DPDT contact block, solder terminal	20.41	4536854346620



### 22 mm IP66 indicator lights show status of machinery and processes on control panels

Complete line of 22 mm pushbuttons, selectors, keyed selectors and indicators. These reliable panel indicators are offered in a wide range of shapes and colors.

- The bright LED light source is easy to see under most lighting conditions.
- Variety of model and color options.
- Easy mounting and removal of socket unit.
- Push-in Plus terminal block type.
- Short mounting depth, less than 49.2 mm behind panel.

Short item number	Order code	Description	Price EUR	GTIN
660568	M22N-BC-TGA-GC	Indicator M22N flat etched, cap color green, LED green, LED voltage 24 VDC	11.73	4548583711198
672578	M22N-BC-TGA-GC-P	M22N Indicator, Plastic flat etched, Green, Green, 24 V, push-in terminal	14.29	4549734088077
662879	M22N-BC-TGA-GE	Indicator M22N flat etched, cap color green, LED green, LED voltage 200-240 VAC	14.86	4548583711211
672607	M22N-BC-TGA-GE-P	M22N Indicator, Plastic flat etched, Green, Green, 220/230/240 V AC, push-in terminal	16.14	4549734088091
662885	M22N-BC-TRA-RC	Indicator M22N flat etched, cap color red, LED red, LED voltage 24 VDC	13.21	4548583711143
672579	M22N-BC-TRA-RC-P	M22N Indicator, Plastic flat etched, Red, Red, 24 V, push-in terminal	14.29	4549734088022
672592	M22N-BC-TRA-RE-P	M22N Indicator, Plastic flat etched, Red, Red, 220/230/240 V AC, push-in terminal	15.68	4549734088046
660932	M22N-BC-TWA-WC	Indicator M22N flat etched, cap color white, LED white, LED voltage 24 VDC	11.73	4548583711297
672612	M22N-BC-TWA-WC-P	M22N Indicator, Plastic flat etched, White, White, 24 V, push-in terminal	14.29	4549734088176
672576	M22N-BC-TWA-WE-P	M22N Indicator, Plastic flat etched, White, White, 220/230/240 V AC, push-in terminal	16.20	4549734088190
660935	M22N-BC-TYA-YC	Indicator M22N flat etched, cap color yellow, LED yellow, LED voltage 24 VDC	11.73	4548583711242
672598	M22N-BC-TYA-YE-P	M22N Indicator, Plastic flat etched, Yellow, Yellow, 220/230/240 V AC, push-in terminal	15.68	4549734088145
662881	M22N-BN-TGA-GC	Indicator M22N flat, cap color green, LED green, LED voltage 24 VDC	11.88	4548583710146
672611	M22N-BN-TGA-GC-P	M22N Indicator, Plastic flat, Green, Green, 24 V, push-in terminal	14.29	4549734087025
660931	M22N-BN-TGA-GD	Indicator M22N flat, CAP COLOR GREEN, LED GREEN, LED VOLTAGE 100-120 VAC	13.76	4548583710153
662880	M22N-BN-TGA-GE	Indicator M22N flat, CAP COLOR GREEN, LED GREEN, LED VOLTAGE 200-240 VAC	14.86	4548583710160
672605	M22N-BN-TGA-GE-P	M22N Indicator, Plastic flat, Green, Green, 220/230/240 V AC, push-in terminal	16.14	4549734087049
661890	M22N-BN-TRA-RC	Indicator M22N flat, cap color red, LED red, LED voltage 24 VDC	12.89	4548583710092
672594	M22N-BN-TRA-RC-P	M22N Indicator, Plastic flat, Red, Red, 24 V, push-in terminal	14.29	4549734086974
672596	M22N-BN-TRA-RE-P	M22N Indicator, Plastic flat, Red, Red, 220/230/240 V AC, push-in terminal	15.68	4549734086998
662492	M22N-BN-TWA-WC	Indicator M22N flat, cap color white, LED white, LED voltage 24 VDC	11.93	4548583710245
672622	M22N-BN-TWA-WC-P	M22N Indicator, Plastic flat, White, White, 24 V, push-in terminal	14.29	4549734087124
672603	M22N-BN-TWA-WE-P	M22N Indicator, Plastic flat, White, White, 220/230/240 V AC, push-in terminal	16.20	4549734087148
662491	M22N-BN-TYA-YC	Indicator M22N flat, cap color yellow, LED yellow, LED voltage 24 VDC	11.88	4548583710191
672609	M22N-BN-TYA-YE-P	M22N Indicator, Plastic flat, Yellow, Yellow, 220/230/240 V AC, push-in terminal	15.68	4549734087094

### Additional switches

### Additional switches

Short item number	Order code	Description	Price EUR	GTIN
150948	A22-01	Contact block, SPST-NC, general-purpose load	3.61	4536854356452
160871	A22-02	Contact block, DPST-NC, general-purpose load	10.21	4536854453397
157745	A22-10	Contact block, SPST-NO, general-purpose load	3.61	4536854356469
160872	A22-20	Contact block, DPST-NO, general-purpose load	10.21	4536854453403
160819	A22-24AG	LED, 24 VAC/DC, green	9.08	4536853019471
145656	A22-24AR	LED, 24 VAC/DC, red	9.08	4536853019488
160820	A22-24AY	LED, 24 VAC/DC, yellow	9.52	4536853019501
160836	A22-3200	Mounting latch, momentary models	1.30	4536854356476
679752	A22NZ-S-P1BN	E-stop Push-In contact block, SPST-NC, general-purpose load	8.60	4549734144803
116086	M22-FG	Indicator, round, IP65, green	4.62	4536853700058
153020	M22-FR	Indicator, round, IP65, red	4.62	4536853700065
153015	M2BJ-BH24D	Panel mount buzzer, intermittent/ continuous (high pitched) high sound, 12-24 VAC/DC supply	44.80	4536853684822

Short item number	Order code	Description	Price EUR	GTIN
160858	A22-TN	Lamp socket, direct lighting	2.11	4536854408274
160837	A22Z-3466-1	Legend plate, emergency stop, 60 mm dia., round, yellow	4.81	4536854356483
160842	A22Z-B101	Control box enclosure, one hole	23.89	4536854375415
160843	A22Z-B101Y	Control box enclosure, one hole, yellow, for emergency stop	26.29	4536854375422
160844	A22Z-B102	Control box enclosure, two holes	25.02	4536854375439
160845	A22Z-B103	Control box enclosure, three holes	30.39	4536854375446



## DIN Track terminal blocks with screw terminals

Global-standard DIN terminal blocks for control panels

- Wires held with screws.
- Compatible with a wide range of wire sizes with a nominal cross section from 2.5 to 150 mm<sup>2</sup>.
- Terminal blocks with fuses and disconnect terminal blocks are available.



Short item number	Order code	Description	Price EUR	GTIN
669285	XW5G-S10-1.1-1	Ground DIN rail terminal block with screw connection for mounting on TS 35; nominal cross section 10 mm <sup>2</sup> ; width 10 mm; color green/yellow	2.94	4548583794320
669277	XW5G-S16-1.1-1	Ground DIN rail terminal block with screw connection for mounting on TS 35; nominal cross section 16 mm <sup>2</sup> ; width 12 mm; color green/yellow	4.41	4548583794351
669252	XW5G-S2.5-1.1-1	Ground DIN rail terminal block with screw connection for mounting on TS 35; nominal cross section 2.5 mm <sup>2</sup> ; width 5 mm; color green/yellow	1.56	4548583794238
669331	XW5G-S35-1.1-1	Ground DIN rail terminal block with screw connection for mounting on TS 35 and TS 32, nominal cross section 35 mm <sup>2</sup> , width 16 mm, color green/yellow	6.28	4548583794382
669324	XW5G-S4.0-1.1-1	Ground DIN rail terminal block with screw connection for mounting on TS 35; nominal cross section 4 mm <sup>2</sup> ; width 6 mm; color green/yellow	1.63	4548583794269
669340	XW5G-S6.0-1.1-1	Ground DIN rail terminal block with screw connection for mounting on TS 35; nominal cross section 6 mm <sup>2</sup> ; width 8 mm; color green/yellow	2.26	4548583794290
669337	XW5T-S10-1.1-1	Feed-through DIN rail terminal block with screw connection for mounting on TS 35; nominal cross section 10 mm <sup>2</sup> ; width 10 mm; color gray	1.17	4548583794306
669342	XW5T-S10-1.1-1BL	Feed-through DIN rail terminal block with screw connection for mounting on TS 35; nominal cross section 10 mm <sup>2</sup> ; width 10 mm; color blue	1.17	4548583794313
669316	XW5T-S16-1.1-1	Feed-through DIN rail terminal block with screw connection for mounting on TS 35; nominal cross section 16 mm <sup>2</sup> ; width 12 mm; color gray	1.56	4548583794337
669263	XW5T-S16-1.1-1BL	Feed-through DIN rail terminal block with screw connection for mounting on TS 35; nominal cross section 16 mm <sup>2</sup> ; width 12 mm; color blue	1.56	4548583794344
669329	XW5T-S2.5-1.1-1	Feed-through DIN rail terminal block with screw connection for mounting on TS 35; nominal cross section 2.5 mm <sup>2</sup> ; width 5 mm; color gray	0.41	4548583794214
669291	XW5T-S2.5-1.1-1BL	Feed-through DIN rail terminal block with screw connection for mounting on TS 35; nominal cross section 2.5 mm <sup>2</sup> ; width 5 mm; color blue	0.41	4548583794221
669326	XW5T-S2.5-1.1-2	Multi-tier terminal block with screw connection for mounting on TS 35 and TS 32, nominal cross section 2.5 mm <sup>2</sup> , width 5 mm, color gray	1.58	4548583794535
669254	XW5T-S35-1.1-1	Feed-through DIN rail terminal block with screw connection for mounting on TS 35 and TS 32, nominal cross section 35 mm <sup>2</sup> , width 16 mm, color gray	3.38	4548583794368
669266	XW5T-S35-1.1-1BL	Feed-through DIN rail terminal block with screw connection for mounting on TS 35 and TS 32, nominal cross section 35 mm <sup>2</sup> , width 16 mm, color blue	3.38	4548583794375
669265	XW5T-S4.0-1.1-1	Feed-through DIN rail terminal block with screw connection for mounting on TS 35; nominal cross section 4 mm <sup>2</sup> ; width 6 mm; color gray	0.56	4548583794245
669336	XW5T-S4.0-1.1-1BL	Feed-through DIN rail terminal block with screw connection for mounting on TS 35; nominal cross section 4 mm <sup>2</sup> ; width 6 mm; color blue	0.56	4548583794252
669283	XW5T-S4.0-FU5	Fuse terminal block with screw connection for mounting on TS 35 and TS 32, nominal cross section 4 mm <sup>2</sup> , width 6 mm, fuse block for 5 mm, color gray	3.23	4548583794504
669306	XW5T-S4.0-KD	Knife edge disconnect terminal block with screw connection for mounting on TS 35; nominal cross section 4 mm <sup>2</sup> ; width 6 mm; color gray	2.15	4548583794528
669323	XW5T-S6.0-1.1-1	Feed-through DIN rail terminal block with screw connection for mounting on TS 35; nominal cross section 6 mm <sup>2</sup> ; width 8 mm; color gray	0.77	4548583794276
669304	XW5T-S6.0-1.1-1BL	Feed-through DIN rail terminal block with screw connection for mounting on TS 35; nominal cross section 6 mm <sup>2</sup> ; width 8 mm; color blue	0.77	4548583794283
669268	XW5T-S70-1.1-1	Feed-through DIN rail terminal block with screw connection for mounting on TS 35 and TS 32, nominal cross section 70 mm <sup>2</sup> , width 24 mm, color gray	14.35	4548583794399

Short item number	Order code	Description	Price EUR	GTIN
669282	XW5E-S16	End plate for terminal blocks 16 mm <sup>2</sup> screw models	0.52	4548583794801
669267	XW5E-S2.5	End plate for terminal blocks 2.5 mm <sup>2</sup> to 10 mm <sup>2</sup> , screw model	0.28	4548583794795
669317	XW5E-S2.5N	End plate for terminal blocks 4 mm <sup>2</sup> multi tier screw models	0.52	4548583794849
669250	XW5E-S4.0-1.2-1	End plate for terminal blocks 4 mm <sup>2</sup> screw models	0.37	4548583794818
669339	XW5E-S4.0-2.2-1	End plate for terminal blocks 4 mm <sup>2</sup> multi-conductor screw models	0.41	4548583794825
669314	XW5S-S10-2	Cross bar for terminal blocks 10 mm <sup>2</sup> screw models, 2 poles, Yellow color	1.27	4548583794726
669284	XW5S-S2.5-10	Cross bar for terminal blocks 2.5 mm <sup>2</sup> screw models, 10 poles, Yellow color	2.64	4548583794627
669312	XW5S-S2.5-10N	Cross bar for terminal blocks 2.5 mm <sup>2</sup> screw models, 10 poles, Yellow color	3.90	4548583794788
669280	XW5S-S2.5-2	Cross bar for terminal blocks 2.5 mm <sup>2</sup> screw models, 2 poles, Yellow color	0.31	4548583794580
669262	XW5S-S2.5-5	Cross bar for terminal blocks 2.5 mm <sup>2</sup> screw models, 5 poles, Yellow color	1.17	4548583794610
669255	XW5S-S4.0-10	Cross bar for terminal blocks 4.0 mm <sup>2</sup> screw models, 10 poles, Yellow color	2.79	4548583794672

Short item number	Order code	Description	Price EUR	GTIN
669303	XW5S-S4.0-5	Cross bar for terminal blocks 4.0 mm <sup>2</sup> screw models, 5 poles, Yellow color	1.24	4548583794665
669288	XW5Z-S2.5LB	Unmarked Label for terminal blocks 2.5 mm <sup>2</sup> screw models with 5 mm and 10 mm width	0.20	4548583794863
669300	XW5Z-S2.5PT	Partition for terminal blocks 2.5 mm <sup>2</sup> to 10 mm <sup>2</sup> screw models	0.37	4548583794856
669247	XW5Z-S4.0LB-1-10	Marked Label for terminal blocks 4 mm <sup>2</sup> screw models, 10 plastic labels marked sequentially 1-10	0.34	4548583794993

XW5\_-P

Terminal blocks



### DIN Track Push-in Terminal Blocks

Push-in Plus terminal blocks to downsize control panels and save work

- Light insertion force, only 8 N, reduces wiring effort and time.
- Push-in Plus terminal blocks are more compact than traditional screw terminal blocks.
- Slim models available down to a width of 3.5 mm to help downsize control panels.
- Light insertion force and strong holding strength to achieve both less wiring work and high reliability.
- No loosening means maintenance-free application.

Short item number	Order code	Description	Price EUR	GTIN
669962	XW5G-P1.5-1.1-1	Ground DIN rail terminal block with push-in plus connection for mounting on TS 35, nominal cross section 1 mm <sup>2</sup> , color green/yellow	1.15	4548583796324
670000	XW5G-P1.5-2.2-1	Ground multi conductor DIN rail terminal block with 4 push-in plus connections for mounting on TS 35, nominal cross section 1 mm <sup>2</sup> , color green/yellow	1.46	4548583796355
669959	XW5G-P2.5-1.1-1	Ground DIN rail terminal block with push-in plus connection for mounting on TS 35, nominal cross section 2.5 mm <sup>2</sup> , color green/yellow	1.26	4548583796362
676104	XW5G-P2.5-2.2-1	Ground multi conductor DIN rail terminal block with 4 push-in plus connections for mounting on TS 35, nominal cross section 2.5 mm <sup>2</sup> , color green/yellow	1.37	4549734137898
669987	XW5G-P4.0-1.1-1	Ground DIN rail terminal block with push-in plus connection for mounting on TS 35, nominal cross section 4 mm <sup>2</sup> , color green/yellow	1.33	4548583796379
669988	XW5T-P1.5-1.1-1	Feed-through DIN rail terminal block with push-in plus connection for mounting on TS 35, nominal cross section 1 mm <sup>2</sup> , color gray	0.47	4548583796201
669995	XW5T-P1.5-1.1-1BL	Feed-through DIN rail terminal block with push-in plus connection for mounting on TS 35, nominal cross section 1 mm <sup>2</sup> , color blue	0.47	4548583796263
669999	XW5T-P1.5-1.1-2	Multi-tier feed-through DIN rail terminal block with push-in plus connection for mounting on TS 35, nominal cross section 1 mm <sup>2</sup> , color gray	1.02	4548583796218
669976	XW5T-P1.5-1.2-1	Multi conductor feed-through DIN rail terminal block with 3 push-in plus connection for mounting on TS 35, nominal cross section 1 mm <sup>2</sup> , color gray	0.66	4548583796225
669980	XW5T-P1.5-2.2-1	Multi conductor feed-through DIN rail terminal block with 4 push-in plus connection for mounting on TS 35, nominal cross section 1 mm <sup>2</sup> , color gray	0.73	4548583796232
670008	XW5T-P1.5-2.2-1BL	Multi conductor feed-through DIN rail terminal block with 4 push-in plus connection for mounting on TS 35, nominal cross section 1 mm <sup>2</sup> , color blue	0.73	4548583796294
669950	XW5T-P2.5-1.1-1	Feed-through DIN rail terminal block with push-in plus connection for mounting on TS 35, nominal cross section 2.5 mm <sup>2</sup> , color gray	0.52	4548583796249
669968	XW5T-P2.5-1.1-1BL	Feed-through DIN rail terminal block with push-in plus connection for mounting on TS 35, nominal cross section 2.5 mm <sup>2</sup> , color blue	0.52	4548583796300
676108	XW5T-P2.5-1.1-2	Multi-tier feed-through DIN rail terminal block with push-in plus connection for mounting on TS 35, nominal cross section 2.5 mm <sup>2</sup> , color gray	1.82	4549734137751
676121	XW5T-P2.5-1.1-2BL	Multi-tier feed-through DIN rail terminal block with push-in plus connection for mounting on TS 35, nominal cross section 2.5 mm <sup>2</sup> , color blue	1.82	4549734137782
676116	XW5T-P2.5-2.2-1	Multi conductor feed-through DIN rail terminal block with 4 push-in plus connection for mounting on TS 35, nominal cross section 2.5 mm <sup>2</sup> , color gray	1.05	4549734137775
670007	XW5T-P4.0-1.1-1	Feed-through DIN rail terminal block with push-in plus connection for mounting on TS 35, nominal cross section 4 mm <sup>2</sup> , color gray	0.57	4548583796256
669953	XW5T-P4.0-1.1-1BL	Feed-through DIN rail terminal block with push-in plus connection for mounting on TS 35, nominal cross section 4 mm <sup>2</sup> , color blue	0.57	4548583796317

Short item number	Order code	Description	Price EUR	GTIN
669955	XW5E-P1.5-1.1-1	End plate for terminal blocks 1 mm <sup>2</sup> push-in plus models	0.22	4548583796836
669973	XW5E-P1.5-1.1-2	End plate for multi-tier terminal blocks 1 mm <sup>2</sup> push-in plus models	0.23	4548583796843
670011	XW5E-P1.5-1.2-1	End plate for multi conductor 3 connections terminal blocks 1 mm <sup>2</sup> push-in plus models	0.22	4548583796850
669967	XW5E-P1.5-2.2-1	End plate for multi conductor 4 connections terminal blocks 1 mm <sup>2</sup> push-in plus models	0.22	4548583796867
669949	XW5E-P2.5-1.1-1	End plate for multi conductor 4 connections terminal blocks 2.5 mm <sup>2</sup> push-in plus models	0.23	4548583796874
676114	XW5E-P2.5-1.1-2	End plate for multi-tier terminal blocks 2.5 mm <sup>2</sup> push-in plus models	0.44	4549734137935
676112	XW5E-P2.5-2.2-1	End plate for multi conductor 4 connections terminal blocks 2.5 mm <sup>2</sup> push-in plus models	0.45	4549734137959
669960	XW5E-P4.0-1.1-1	End plate for multi conductor 4 connections terminal blocks 4 mm <sup>2</sup> push-in plus models	0.23	4548583796881
670046	XW5S-P1.5-10BL	Short bar for terminal blocks 1 mm <sup>2</sup> push-in plus models, 10 poles, blue color	2.99	4548583796577
670043	XW5S-P1.5-10RD	Short bar for terminal blocks 1 mm <sup>2</sup> push-in plus models, 10 poles, red color	2.99	4548583796423
670049	XW5S-P1.5-10YL	Short bar for terminal blocks 1 mm <sup>2</sup> push-in plus models, 10 poles, blue color	2.99	4548583796720
669972	XW5S-P1.5-2BL	Short bar for terminal blocks 1 mm <sup>2</sup> push-in plus models, 2 poles, blue color	0.52	4548583796539

Short item number	Order code	Description	Price EUR	GTIN
669954	XW5S-P1.5-2RD	Short bar for terminal blocks 1 mm <sup>2</sup> push-in plus models, 2 poles, red color	0.52	4548583796386
669981	XW5S-P1.5-3BL	Short bar for terminal blocks 1 mm <sup>2</sup> push-in plus models, 3 poles, blue color	0.67	4548583796546
669974	XW5S-P1.5-4BL	Short bar for terminal blocks 1 mm <sup>2</sup> push-in plus models, 4 poles, blue color	0.83	4548583796553
669989	XW5S-P1.5-5BL	Short bar for terminal blocks 1 mm <sup>2</sup> push-in plus models, 5 poles, blue color	1.24	4548583796560
669991	XW5S-P1.5-5RD	Short bar for terminal blocks 1 mm <sup>2</sup> push-in plus, 5 poles, red color	1.24	4548583796416
670047	XW5S-P2.5-10BL	Short bar for terminal blocks 2.5 mm <sup>2</sup> push-in plus models, 10 poles, blue color	2.99	4548583796621
670044	XW5S-P2.5-10RD	Short bar for terminal blocks 2.5 mm <sup>2</sup> push-in plus models, 10 poles, red color	2.99	4548583796478
670050	XW5S-P2.5-10YL	Short bar for terminal blocks 2.5 mm <sup>2</sup> push-in plus models, 10 poles, yellow color	2.99	4548583796775
670006	XW5S-P2.5-2BL	Short bar for terminal blocks 2.5 mm <sup>2</sup> push-in plus models, 2 poles, blue color	0.60	4548583796584
670009	XW5S-P2.5-2RD	Short bar for terminal blocks 2.5 mm <sup>2</sup> push-in plus models, 2 poles, red color	0.60	4548583796430
669952	XW5S-P2.5-2YL	Short bar for terminal blocks 2.5 mm <sup>2</sup> push-in plus models, 2 poles, yellow color	0.60	4548583796737
669979	XW5S-P2.5-3RD	Short bar for terminal blocks 2.5 mm <sup>2</sup> push-in plus models, 3 poles, red color	0.79	4548583796447
670001	XW5S-P2.5-4RD	Short bar for terminal blocks 2.5 mm <sup>2</sup> push-in plus models, 4 poles, red color	0.94	4548583796454
670012	XW5S-P2.5-5BL	Short bar for terminal blocks 2.5 mm <sup>2</sup> push-in plus models, 5 poles, blue color	1.10	4548583796614
669963	XW5S-P2.5-5RD	Short bar for terminal blocks 2.5 mm <sup>2</sup> push-in plus models, 5 poles, red color	1.10	4548583796461
670048	XW5S-P4.0-10BL	Short bar for terminal blocks 4 mm <sup>2</sup> push-in plus models, 10 poles, blue color	3.09	4548583796676
670045	XW5S-P4.0-10RD	Short bar for terminal blocks 4 mm <sup>2</sup> push-in plus models, 10 poles, red color	3.09	4548583796522
669994	XW5Z-EP12	Separator Plate for terminal blocks, 12 mm width	2.96	4548583796898
670013	XW5Z-EP6	End bracket for terminal blocks, 6 mm width	0.44	4548583796904
670027	XW5Z-P1.5LB1	Unmarked Label for terminal blocks 1 mm <sup>2</sup> push-in plus models, 102 pcs, Plastic, Front side	23.44	4548583796911
670029	XW5Z-P2.5LB1	Unmarked Label for terminal blocks 2.5 mm <sup>2</sup> push-in plus, 72 pcs, Plastic, Front side	23.44	4548583796935
670030	XW5Z-P2.5LB2	Unmarked Label for terminal blocks 2.5 mm <sup>2</sup> push-in plus, 72 pcs, Plastic, Top and bottom side	22.42	4548583796942
670031	XW5Z-P4.0LB1	Unmarked Label for terminal blocks 4.0 mm <sup>2</sup> push-in plus, 60 pcs, Plastic, Front side	23.44	4548583796959



### G70V I/O relay terminal

I/O relay terminals with 16 points and Push-In Plus technology blocks to downsize control panels and save labor

- I/O relay terminals with 16 points to mount G2RV slim I/O relays
- Push-In Plus technology used to save wiring work in comparison with traditional screw terminals
- Work is reduced ever further with one-step cable connection to the PLC
- Diode provided for coil surge absorption
- Operation indicators for immediate recognition of I/O signal status
- Accepts G3RV Slim I/O SSRs
- DIN Track or screw mounting

Short item number	Order code	Description	Price EUR	GTIN
670254	G70V-SID16P-1	Relay terminal, PLC Input, 16 channels, PNP, Push-in terminals	160.80	4548583798151
670257	G70V-SOC16P	Relay terminal, PLC Output, 16 channels, NPN, Push-in terminals	146.20	4548583798182
670256	G70V-SOC16P-1	Relay terminal, PLC Output, 16 channels, PNP, Push-in terminals	146.20	4548583798175
675390	G70V-SOC16P-1-C4	Relay terminal, PLC Output, 16 channels, internally connected, PNP, Push-in terminals	136.80	4549734144452

## XW2D

## PLC Interface Wiring Systems



### New Slim Connector-Terminal Block Conversion Units

- Mounting area reduced by 35% (in comparison with 40-pole XW2B Units) to contribute to downsizing control panels and automatic equipment.
- Fallout prevention for terminal screws.
- Round or forked crimp terminals can be used.
- Mount to DIN Track or via screws. Unique DIN Track lock can maintain open status during DIN Track attachment and removal.
- Terminal cover can be locked open.
- Screw terminals are arranged by color in groups of five to simplify counting terminal numbers.

Short item number	Order code	Description	Price EUR	GTIN
374211	XW2D-20G6	General-purpose I/O terminal block, MIL20 socket, M3 captive screws, 20 points	37.38	4548583330856
374212	XW2D-34G6	General-purpose I/O terminal block, MIL34 socket, M3 captive screws, 34 points	48.86	4548583330894
374213	XW2D-40G6	General-purpose I/O terminal block, MIL40 socket, M3 captive screws, 40 points	57.20	4548583330931
374216	XW2D-50G6	General-purpose I/O terminal block, MIL50 socket, M3 captive screws, 50 points	52.15	4548583330979



### Many Variations in Connectors and Number of Poles

- Models available with Phillips screw, slotted screw, push-in, or e-CON connections.
- The terminal arrangement enables smoother wiring work.
- Push-in terminals simplify wiring and make the Terminal Blocks even easier to use. (In comparison to the OMRON XW2F.)
- Mounting to DIN Track is possible.

Short item number	Order code	Description	Price EUR	GTIN
372885	XW2R-J40G-T	DIN-rail mounting terminal block, MIL40 socket, M3 screws, 40 points, general-purpose	56.90	4548583367326
670881	XW2R-P34GD-T	DIN-rail mounting terminal block, MIL34 socket, screw clamp, 34 points, general-purpose, push in spring	39.35	4548583547131
372996	XW2R-P40G-T	DIN-rail mounting terminal block, MIL40 socket, push-in clamp, 40 points, general-purpose	44.50	4548583367432



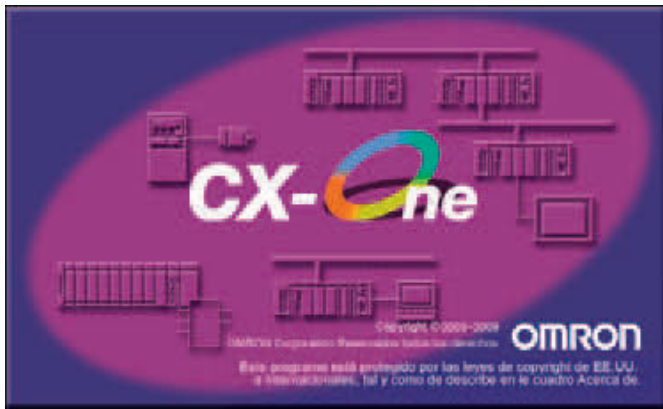
### XW2Z

Connect I/O Relay Terminals to I/O Units for Programmable Controllers with one touch.

- Cables with Connectors for G70V and G7TC I/O Relay Terminals, G70D and G70R Relay Terminals, and G70A and P7TF-IS/OS I/O Terminal Sockets.
- Cables with loose wires available with or without crimp terminals.
- Cables available for programmable controllers from Mitsubishi Electric.

Short item number	Order code	Description	Price EUR	GTIN
670323	XW2Z-RA200C	I/O connection cable, with shield connection, MIL20 to open ends, 2 m	90.55	4548583800298
670315	XW2Z-RO200C-175	I/O connection cable, with shield connection, FCN40 to 2 x MIL20 for G70 A-ZOC16-3, 2 m / 1.75 m	89.35	4548583800434
670329	XW2Z-RO300C-275	I/O connection cable, with shield connection, FCN40 to 2 x MIL20 for G70A-ZOC16-3, 3 m / 2.75 m	105.40	4548583800441
670335	XW2Z-RO50C	I/O connection cable, MIL20 to MIL20 for XW2*-20G* or G70A-ZOC16-3, 0.5 m	73.45	4548583800526
670326	XW2Z-RO75-50-D1	I/O connection cable, with shield connection, MIL40 to 2 x MIL20 for G70V-ZOC16-3, 0.75 m	146.60	4548583800564
670328	XW2Z-RY100C	I/O connection cable, with shield connection, MIL20 to fork terminals, 1 m	68.90	4548583800243
670309	XW2Z-RY300C	I/O connection cable, with shield connection, MIL20 to fork terminals, 3 m	85.40	4548583800274





**One software for your automation system**

CX-One software allows users to build, configure and program a host of devices such as PLCs, HMIs and motion-control systems and networks using just one software package with one installation and license number. This greatly reduces the complexity of the configuration and allows automation systems to be programmed or configured with minimal training.

- One software to support programming PLCs + HMI, networks, motion & drive, regulation & switching and sensor s
- Common look-&-feel for configuration of all devices
- One installation and license number for all software
- On-line registration offers free upgrade, free libraries, FAQ and help

Short item number	Order code	Description	Price EUR	GTIN
324682	CXONE-AL01-EV4	Single-user licence for CX-One V4.x software, for Windows 2000/XP/Vista/Windows 7/8 (32 and 64 bit), (requires CDs or DVD, CXOne-CD-EV4, or CXOne-DVD-EV4)	1,026.00	4547648876711
324688	CXONE-AL01-EV4-UP	Single-user licence upgrade for CX-One V4.x, requires CDs or DVD with software (CXOne-CD-EV4, or CXOne-DVD-EV4)	318.50	4547648876773
324683	CXONE-AL03-EV4	3-user licence only, for CX-One V4.x software, for Windows 2000/XP/Vista/Windows 7/8 (32 and 64 bit), (requires CDs or DVD, CXOne-CD-EV4, or CXOne-DVD-EV4)	2,076.00	4547648876728
324695	CXONE-DVD-EV4	CX-One V4.x software, for Windows 2000/XP/Vista/Windows 7/8 (32 and 64 bit), supplied on 1x DVD, (requires licence number CXOne-Alxx-EV4-(xx))	15.72	4547648876841
313838	CXONE-LT01-EV4	CX-One Lite v4.x software, for Windows 2000/XP/Vista, single-user licence only, (requires CDs, CXOne-LTCD-EV4), limited to program the CPx PLC platform	255.40	4547648871129

**Sysmac Studio**

**Sysmac Studio**



**True Integrated Development Environment**

The Sysmac Studio provides one design and operation environment for configuration, programming, simulation and monitoring.

- One software for motion, logic sequencing, safety, drives, vision and HMI
- Fully compliant with open standard IEC 61131-3
- Supports Ladder, Structured text and In-Line ST programming with a rich instruction set
- CAM editor for easy programming of complex motion profiles
- One simulation tool for sequence and motion in a 3D environment
- Advanced security function with 32 digit security password

Short item number	Order code	Description	Price EUR	GTIN
672883	SYSMAC-LE201L	Sysmac Studio Lite license only, single user (requires SYSMAC-SE200D download or installation DVD, available separately)	923.50	4548583984103
673371	SYSMAC-LU501L	Sysmac Studio Lite to Sysmac Studio Standard upgrade, 1-user licence only	1,144.00	4548583988255
410039	SYSMAC-NE001L	Sysmac Studio NX I/O Edition	272.90	4547648994668
679805	SYSMAC-RTNC0000D	CNC operator DVD	40.50	4549734166874
679803	SYSMAC-RTNC0101D	CNC operator SDK DVD	2,278.00	4549734166898
355294	SYSMAC-SE200D	Sysmac Studio installation DVD only, for Windows XP or Windows 7/8, 32 or 64-bit versions (requires SYSMAC-SE2**L license)	20.93	4547648909785
355295	SYSMAC-SE201L	Sysmac Studio license only, single user (requires SYSMAC-SE200D download or installation DVD, available separately)	1,568.00	4547648909792
355296	SYSMAC-SE203L	Sysmac Studio license only, 3 user (requires SYSMAC-SE200D installation DVD, available separately)	3,132.00	4547648909808
680950	SYSMAC-TA401L	Sysmac Studio Team Option 1 User License	502.00	4549734942607
680952	SYSMAC-TA403L	Sysmac Studio Team Option 3 Users License	1,023.00	4549734942621

Software





**One software tool for inverters & servos**

Reduce the time and complexity of configuring, commissioning and maintaining servos and inverters with a single software tool. CX-Drive includes support for features in the new Accurax G5 servo system and MX2 inverter.

- Supports the complete range of Omron servos and inverters
- Auto tuning wizard
- FFT function, resonant frequency analysis of a mechanical system
- Easy drive configuration and monitoring
- Real time and data trace
- Full access to devices from one connection
- Remote access

Short item number	Order code	Description	Price EUR	GTIN
379897	CX-DRIVE 2.9	CX-Drive configuration software for inverters and servos	65.35	4547648970013



**PC-based support software for easy set-up and monitoring**

Omron's CX-Thermo support software has been specially developed for use with the company's E5AC/E5CC/E5DC/E5EC, E5AN/E5GN, E5\_N-H, E5ZN, E5AR, E5ER and CelciuX<sup>o</sup> temperature controllers. CX-Thermo enables faster parameter set-up, easier device adjustment and simpler maintenance. It dramatically reduces the time and effort needed to set and manage temperature control parameters.

- Advanced parameter setting and editing
- Batch-downloading functions
- Graphical online monitoring of set point, process value and manipulated value
- Graphical PID tuning tool is also included, providing a simple interface where the controller can be set to tune for optimum stability, reduced overshoot or better disturbance rejection

Short item number	Order code	Description	Price EUR	GTIN
242527	EST2-2C-MV4	CX-Thermo, direct 1 to 1 connecting software (1 to several if same TC type), for programming and monitoring E5_N (version 5 & 6), E5ZN and CelciuX (EJ1)	136.40	4547648504447



**Powerful Machine Visualisation**

CX-Supervisor boasts powerful functions for a wide range of PC based HMI requirements. Simple applications can be created rapidly with the aid of a large number of predefined functions and libraries, and even very complex applications can be generated with a powerful programming language or VBScript™. CX-Supervisor has an extremely simple, intuitive handling and high user friendliness. Importing ActiveX<sup>o</sup> components makes it possible to create flexible applications and extend functionality.

CX-Supervisor is dedicated to the design and operation of PC visualisation and machine control. It is not only simple to use for small supervisory and control tasks, but it also offers a wealth of power for the design of the most sophisticated applications.

Short item number	Order code	Description	Price EUR	GTIN
313842	CX-SUPERVISOR-RUN-ME-V3	CX-Supervisor Machine Edition Runtime package (with USB dongle)	604.50	4547648871167
313843	CX-SUPERVISOR-RUN-PLUS-V3	CX-Supervisor PLUS Runtime package (with USB dongle)	950.00	4547648871174
313841	CX-SUPERVISOR-UPGR-V3	CX-Supervisor V2 to V3.0 developer upgrade	431.70	4547648871150
313840	CX-SUPERVISOR-V3	CX-Supervisor Developer package, Requires CX-SUPERVISOR-RUN-ME-V3 or CX-SUPERVISOR-RUN-PLUS-V3 runtime package with USB dongle	604.50	4547648871143



**Simple but effective connectivity**

As a pair to our OPC product, CX-Server LITE is designed to meet a wide variety of programmers' needs from the simple to the advanced. Used to create PC-based simple HMI projects, CX-Server LITE allows designers of custom programs to send and receive PLC data and manipulate controllers within Omron networks.

- Supports all Omron Networks
- Communicates to CS/CJ/C/CV and CP family PLCs, Trajexia, Celciux and ZX Sensors
- Supports all Omron communication protocols
- Program from Visual Basic, Excel or .NET
- Simple configuration using graphical components or complex scripting using API

Short item number	Order code	Description	Price EUR	GTIN
249713	CX-LITE-EV2	CX-Server Lite software package, (single licence) supports serial, Ethernet, controller Link communications, for Windows2000/XP/Vista/Windows 7 (32bit)/Windows Server 2003 and 2008 (32 bit), CD-ROM	345.70	4547648857680



**Omron's devices meet 'Open Integration'**

CX-Server OPC provides a connection between the industry standard OPC interface specification and Omron's network architecture and controllers. CX-Server OPC allows any OPC compliant client software to interface easily with Omron.

- Compatible with OPC Data Access 1.0a and 2.05 SCADA clients
- Implements optional interfaces like Symbol Browsing and hierarchical workspace
- Supports all Omron Networks
- Communicates to CS/CJ/C/CV and CP family PLCs, Trajexia, Celciux and ZX Sensors
- Supports all Omron communication protocols

Short item number	Order code	Description	Price EUR	GTIN
249714	CX-OPC-EV2	CX-Server OPC software(Single Licence), for Windows2000/XP/Vista/Windows 7 (32bit)/Windows Server 2003 and 2008 (32 bit), single-user licence, CD-Rom	690.50	4547648857703



**High Performance and full connectivity**

SYSMAC Gateway is a communications middleware for personal computers running Windows. Support CIP communications and tag data links (EtherNet/IP) in addition to FinsGateway functions. It's available as a standalone package to act just as Communications Middleware and it's also included in the CX-Compolet package.

CX-Compolet includes software components that can make it easy to create programs for communications between a computer and Omron controllers. This package includes .NET control objects and ActiveX control objects that can be used with Visual Basic and C# programming languages. Apart of the standard communication functionality, it supports the communication using Ethernet/IP Tag names with CJ2 an NJ/ NX controller families. Data types like structures and arrays are also supported.

Short item number	Order code	Description	Price EUR	GTIN
342189	CX-COMPOLET-EV1-01L	1 License Software with components to create programs for com. between PC's and PLC's. Developm. environment: Visual Studio, .NET2003/2005/2008/2010/2013. Developm. languages: VB., .NET, Visual C#. This packaged is bundled with SYSMAC Gateway	403.00	4547648887182



### Bringing the NS to your PC

With the release of NS Runtime PC comes the ability to run exactly the same HMI projects directly on your PC or IPC.

- Reuse your NS projects, no need to recode
- See your HMI on your PC
- Perfect combination with a DyaloX

Short item number	Order code	Description	Price EUR	GTIN
235310	NS-NSRCL1	NS-Runtime software, for Windows XP, 1 x USB Dongle	1,388.00	4547648352567

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