

## Sensor/actuator box - SACB-8/16-M23 SH - 1695773

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Sensor/actuator box, Application: Standard, Connection method: M12 socket Metal, Number of slots: 8, Number of positions: 5, Slot assignment: Double, Status indication: No, Universal; Master cable connection: M23 plug connection 90°, Shielding: Yes

### Why buy this product

- Safety in the field, thanks to molded housing and high degree of protection
- Flexible, distributed bundling of signals in one master cable
- Save space: distributor box with double occupancy for two sensors in one slot
- Reliable signal transmission – 360° shielding in environments with electromagnetic interference



### Key commercial data

Packing unit	1 pc
GTIN	 4 017918 899417
Weight per Piece (excluding packing)	392.8 g
Custom tariff number	85366990
Country of origin	Poland
Note	Made to Order (non-returnable)

### Technical data

#### General

Rated voltage	48 V
	60 V DC
Current carrying capacity per I/O signal	2 A
Current carrying capacity per slot	4 A
Total rated current	12 A
Number of positions	5
Number of slots	8
Inflammability class according to UL 94	V0
Sensor/actuator connection system	M12 socket

#### Ambient conditions

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### Technical data

#### Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C ... 70 °C

#### Master cable data/connection data

Connection method	M23 plug connection
Tightening torque slot sensor/actuator cable	0.4 Nm

#### Insulation material

Housing material	Aluminum
Housing surface material	Nickel-plated
Material of the moulding mass	PUR
Contact material	Cu alloy
Contact surface material	Gold-plated
Contact carrier material	PA
Material of contact, master cable side	CU alloy
Material of contact surface, master cable side	Gold-plated
Material of the contact carrier on the master cable side	PA 66 V0
Material of threaded sleeve	Aluminum
O-ring material	NBR

#### Pin assignment

Slot/position = Wire color or connection	1 / 4 (A) = 15
	1 / 2 (B) = 7
	2 / 4 (A) = 5
	2 / 2 (B) = 4
	3 / 4 (A) = 16
	3 / 2 (B) = 8
	4 / 4 (A) = 3
	4 / 2 (B) = 14
	5 / 4 (A) = 17
	5 / 2 (B) = 9
	6 / 4 (A) = 2
	6 / 2 (B) = 13
	7 / 4 (A) = 11
	7 / 2 (B) = 10
	8 / 4 (A) = 1
	8 / 2 (B) = 18
	1-8 / 1 (+ 48 V) = 19
	1-8 / 3 (0 V) = 6
	1-8 / 5 (PE) = 12

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## Classifications

### eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
eCl@ss 8.0	27279219

### ETIM

ETIM 2.0	EC000200
ETIM 3.0	EC001856
ETIM 4.0	EC002585
ETIM 5.0	EC002585

### UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	31261501

## Approvals

### Approvals

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Approvals

EAC

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Ex Approvals

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Approvals submitted

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### Approval details

EAC
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## Accessories

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## Sensor/actuator box - SACB-8/16-M23 SH - 1695773

### Accessories

#### Assembly tool

Pipe spanner - PLUSCON-RCS - 1665062



Special pipe spanner, tool for mounting the M23 connector housing (with assembly), for coupling and sleeve housing

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#### Device marking

Zack marker strip - ZBN 18:UNBEDRUCKT - 2809128



Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 18 mm, Lettering field: 18 x 5 mm

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#### Labeled device marker

Zack marker strip - ZBN 18 CUS - 0825059



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 18 mm, Lettering field: 18 x 5 mm

Zack marker strip - ZBN 18 YE CUS - 0825058



Zack marker strip, can be ordered: Strip, yellow, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 18 mm, Lettering field: 18 x 5 mm

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#### Master cable, assembled

Master cable - RCK-TWGM/BL16+3/ 5,0PUR SH - 1519529



Socket M23, 19-pos., angled, shielded, with shielded, connected master cable, length: 5 m

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### Accessories

Master cable - RCK-TWGM/BL16+3/10,0PUR SH - 1511828



Socket M23, 19-pos., angled, shielded, with shielded, connected master cable, length: 10 m

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Female connector - RC/TGGM/KVD/LBL 16+3 - 1685505



Socket M23, 19-pos., straight, shielded, freely configurable, with solder connection, for external cable diameter 9.5 mm ... 14.5 mm

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Female connector - RC/TWGM/KVD/LBL 16+3 - 1685518



Socket M23, 19-pos., angled, shielded, freely configurable, with solder connection, for external cable diameter 9.5 mm ... 14.5 mm

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### Protective cap

Screw plug - PROT-M12 SH - 1503302



An M12 screw plug for the unoccupied M12 sockets of the shielded sensor/actuator cable, boxes and flush-type connectors

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Protective cap - MSK 1 - 1665897



M23 metal sealing cap, for unoccupied M23 connectors, without steel wire

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## Sensor/actuator box - SACB-8/16-M23 SH - 1695773

### Accessories

Protective cap - MSK 2 - 1665907



M23 metal sealing cap, for unoccupied M23 connectors, with steel wire

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Protective cap - KSK 1 - 1685013



Plastic sealing cap, for unoccupied M23 connectors

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### Screwdriver tools

Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600



Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

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Tool - SAC BIT M12-D15 - 1208432



Nut for assembling sensor/actuator cables with M12 connector and for M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

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Tool - SACC BIT M12-D20 - 1208445



Nut for assembling SACC M12 connectors for free assembly, excluding M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

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### Terminal marking

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## Accessories

Marker for terminal blocks - UC-TMF 16 YE - 0819259



Marker for terminal blocks, Sheet, yellow, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 16 mm, Lettering field: 15.45 x 5.1 mm

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## Torque tool

Torque screwdriver - TSD 04 SAC - 1208429



Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

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Torque screwdriver - TSD-M 1,2NM - 1212224

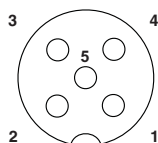


Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

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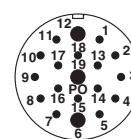
## Drawings

Schematic diagram



M12 slot, socket, 5-pos.

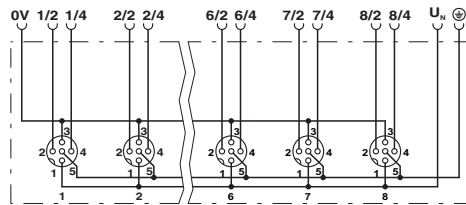
Schematic diagram



M23 plug connection pin, 19-pos.

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Circuit diagram



Dimensioned drawing

