

## 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, coding: A - standard, slot assignment: Double, status display: 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 STK
GTIN	 4 017918 899417
GTIN	4017918899417
Weight per Piece (excluding packing)	392.800 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
Flammability rating according to UL 94	V0

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## Technical data

### General

Sensor/actuator connection system	M12 socket
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### 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 6.6 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

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## Technical data

### Pin assignment

	1-8 / 5 (PE) = 12
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### Standards and Regulations

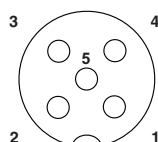
Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Flammability rating according to UL 94	V0

### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

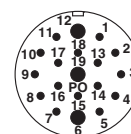
## Drawings

Schematic diagram



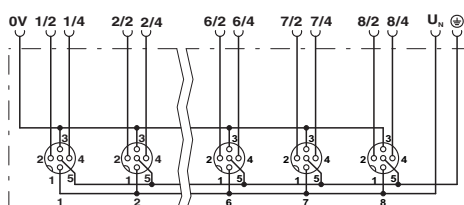
M12 slot, socket, 5-pos.

Schematic diagram



M23 plug connection pin, 19-pos.

Circuit diagram



## 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

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

### Classifications

eCl@ss

eCl@ss 9.0	27440108
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### ETIM

ETIM 2.0	EC000200
ETIM 3.0	EC001856
ETIM 4.0	EC002585
ETIM 5.0	EC002585
ETIM 6.0	EC002585

### UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	31251501

### Approvals

#### Approvals

Approvals

EAC

Ex Approvals

#### Approval details

EAC		RU C- DE.AI30.B.01102
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### Accessories

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

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

### Accessories

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#### Labeled terminal marker

Marker for terminal blocks - UC-TMF 16 CUS - 0824678



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 16 mm, lettering field size: 15.45 x 5.1 mm

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Marker for terminal blocks - UC-TMF 16 YE CUS - 0824684



Marker for terminal blocks, can be ordered: by sheet, yellow, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 16 mm, lettering field size: 15.45 x 5.1 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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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

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

### Accessories

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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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

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

### Accessories

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 M12 connectors for assembly, with a knurl diameter of 15 mm, for 4 mm hexagonal drive

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Tool - SACC BIT M12-D20 - 1208445



Nut for assembling M12 connectors for assembly with a knurl diameter of 20 mm, for 4 mm hexagonal drive

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### Terminal marking

Marker for terminal blocks - UC-TMF 16 - 0819262



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, CMS-P1-PLOTTER, PLOTMARK, mounting type: snap into flat marker groove, for terminal block width: 16 mm, lettering field size: 15.45 x 5.1 mm

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



Marker for terminal blocks, Sheet, yellow, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, CMS-P1-PLOTTER, PLOTMARK, mounting type: snap into flat marker groove, for terminal block width: 16 mm, lettering field size: 15.45 x 5.1 mm

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### Torque tool

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

### Accessories

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