

## Sensor/actuator box - SACB-8/16-L-M23 180 - 1692721

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Sensor/actuator box, Connection method: M12 socket Plastic, Number of slots: 8, Number of positions: 5, Slot assignment: Double, Status indication: Yes, pnp; Master cable connection: M23 plug connection 180°, Shielding: No

### 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
- Convenient: increased machine availability thanks to quick and easy diagnostics
- Save space: distributor box with double occupancy for two sensors in one slot



### Key commercial data

Packing unit	1 pc
GTIN	 4 017918 177799
Weight per Piece (excluding packing)	148.02 g
Custom tariff number	85366990
Country of origin	Poland

### Technical data

#### General

Rated voltage	24 V DC
Max. operating voltage $U_{max}$	30 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

Degree of protection	IP65
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## Technical data

### Ambient conditions

	IP67
Ambient temperature (operation)	-20 °C ... 75 °C

### Local diagnostics function

Local diagnostics	Supply voltage Green LED
	Status display I/O Yellow LED

### Master cable data/connection data

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

### Insulation material

Housing material	PA
Contact material	CuSn
Contact surface material	Ni/Au
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
Material of threaded sleeve	Zinc die-cast
Material, O-ring	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 (+ 24 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	27449001

### 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

#### Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

#### Ex Approvals

#### Approvals submitted

### Approval details

UL Recognized	
mm <sup>2</sup> /AWG/kcmil	22-16

## Sensor/actuator box - SACB-8/16-L-M23 180 - 1692721

### Approvals

Nominal voltage UN	24 V
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cUL Recognized	
mm <sup>2</sup> /AWG/kcmil	22-16
Nominal voltage UN	24 V

GOST	
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cULus Recognized	
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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

### 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

Master cable, assembled

## Sensor/actuator box - SACB-8/16-L-M23 180 - 1692721

### Accessories

Female connector - RCK-TGUM/BL16+3/ 5,0PUR-U - 1684056



Female connector, Number of positions: 19, Status indication: No; Master cable connection: M23 socket, Cable length: 5 m, Shielding: No

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Female connector - RCK-TGUM/BL16+3/10,0PUR-U - 1684069



Female connector, Number of positions: 19, Status indication: No; Master cable connection: M23 socket, Cable length: 10 m, Shielding: No

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Female connector - RCK-TWUM/BL16+3/ 5,0PUR-U - 1684072



Female connector, Number of positions: 19, Status indication: No; Master cable connection: M23 socket, Cable length: 5 m, Shielding: No

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Female connector - RCK-TWUM/BL16+3/10,0PUR-U - 1684085



Female connector, Number of positions: 19, Status indication: No; Master cable connection: M23 socket, Cable length: 10 m, Shielding: No

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Female connector - V-RC/TGUM 13/KVD 13/LBL 16+3 - 1000042



M23 socket, 19-pos., straight, freely configurable, with solder connection, for external cable diameter of 10 mm ... 14 mm

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## Sensor/actuator box - SACB-8/16-L-M23 180 - 1692721

### Accessories

Female connector - V-RC/TWUM 13/KVD 13/LBL 16+3 - 1000044

M23 socket, 19-pos., angled, freely configurable, with solder connection, for external cable diameter of 10 mm ... 14 mm



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### Protective cap

Screw plug - PROT-M12 - 1680539



An M12 screw plug for the unoccupied M12 sockets of the 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-L-M23 180 - 1692721

## Accessories

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

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

## Torque tool

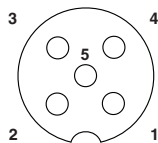
Torque screwdriver - TSD 04 SAC - 1208429



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

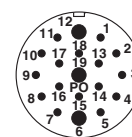
## Drawings

Schematic diagram



M12 slot, socket, 5-pos.

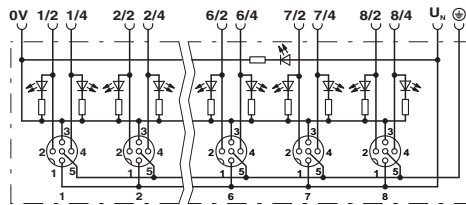
Schematic diagram



M23 plug connection pin, 19-pos.

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Circuit diagram



Dimensioned drawing

