Sensor/actuator box - SACB-4/ 8-L-M23 180 - 1692682

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The illustration shows a version with 8 slots

Sensor/actuator box, Connection method: M12 socket Plastic, Number of slots: 4, Number of positions: 5, Slot assignment: Double, Status indication: Yes, pnp; Master cable connection: M23 plug connection 180°, Shielding: No

Product Features

- 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 PCE
Weight per Piece (excluding packing)	113.0 GRM
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	4
Inflammability class according to UL 94	V0
Sensor/actuator connection system	M12 socket

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Technical data

Ambient conditions

Degree of protection	IP65
	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
	1-4 / 1 (+ 24 V) = 19
	1-4 / 3 (0 V) = 6
	1-4 / 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

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Approvals

UL Recognized

mm²/AWG/kcmil	22-16
Nominal voltage UN	24 V

cUL Recognized

mm²/AWG/kcmil	22-16
Nominal voltage UN	24 V

GOST

cULus Recognized

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

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Accessories

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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Master cable, assembled

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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Accessories

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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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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Accessories

Protective cap - KSK 1 - 1685013

Plastic sealing cap, for unoccupied M23 connectors

Screwdriver tools

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

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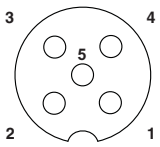
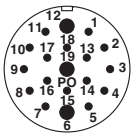
Schematic diagram



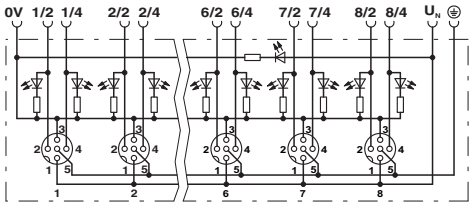
M12 slot, socket, 5-pos.

Schematic diagram



M23 plug connection pin, 19-pos.

Circuit diagram



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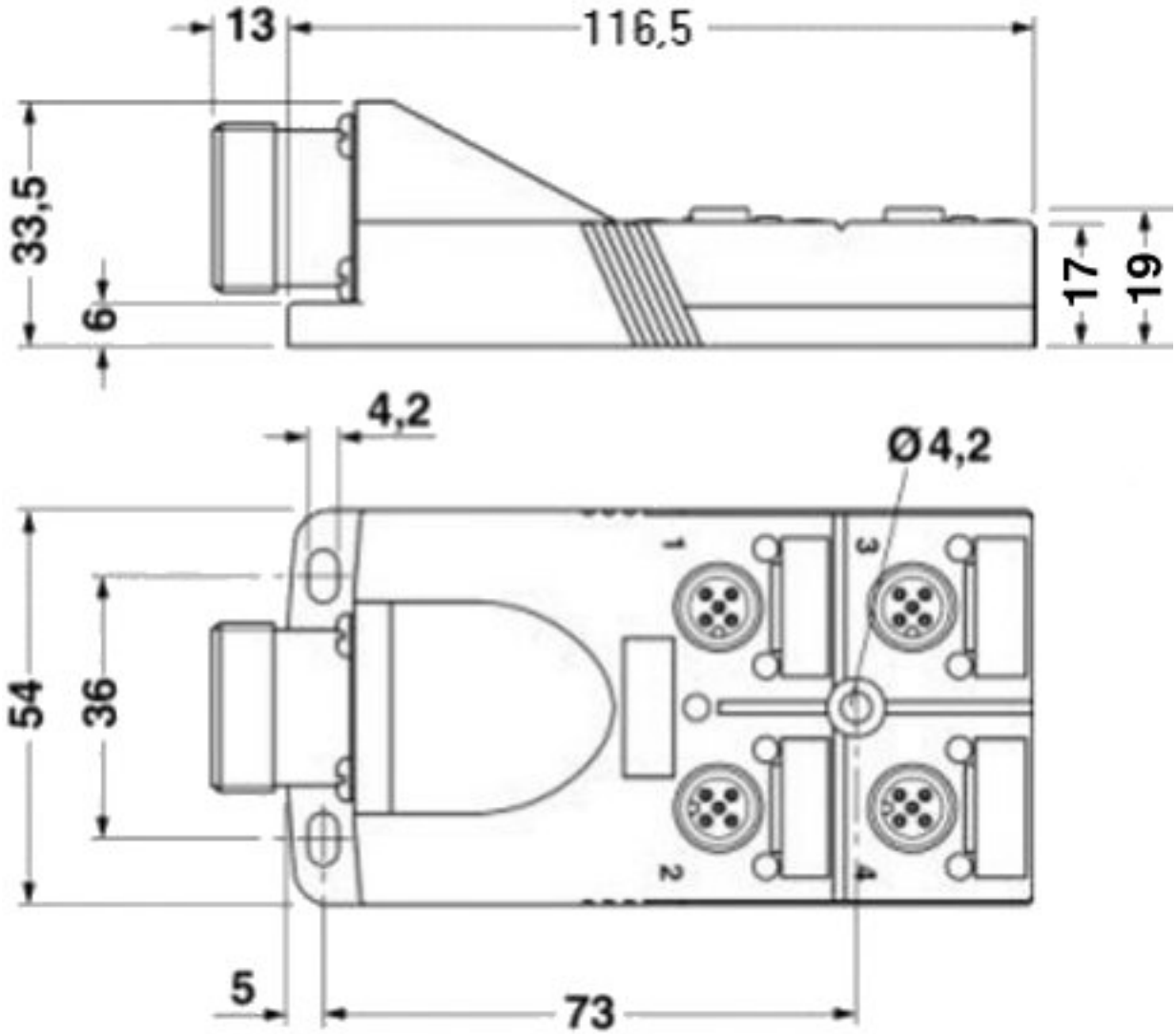
Dimensioned drawing



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