Sensor/actuator box - SACB-6/12-L-M23

1692433

https://www.phoenixcontact.com/tw/products/1692433

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Sensor/actuator box, application: Standard, connection method: M12 socket Plastic, number of slots: 6, number of positions: 5, coding: A - standard, slot assignment: Double, status display: yes, pnp; master cable connection: M23 plug connection 90°, shielding: no

Your advantages

- Safety in the field, thanks to molded housing and high degree of protection
- Convenient: increased machine availability thanks to quick and easy diagnostics
- Save space: distributor box with double occupancy for two sensors in one slot

Commercial Data

Item number	1692433
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	02
Product Key	BF3CBB
Catalog Page	Page 114 (PC-2009)
GTIN	4017918177898
Weight per Piece (including packing)	133.8 g
Weight per Piece (excluding packing)	119.42 g
Customs tariff number	85366990
Country of origin	DE

Technical Data

Notes

Assembly instruction:	NOTE: Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending forces are too high. Alleviate mechanical loads upstream of the connector, e.g. by using cable ties.
Note on application	Unused slots are to be sealed off prior to commissioning. Suitable sealing elements are to be found under "Accessories".

Product properties

Product type	Distributor boxes with M8 to M12 slots
Number of positions	5
Application	Standard
Number of slots	6
Coding	A - standard

Dimensions

Dimensional drawing	
Width	54 mm
Height	26 mm
Length	129 mm

Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-20 °C ... 75 °C

LED signaling

Status display present	yes

Electrical properties

Max. operating voltage U_{max}	30 V DC
Local diagnostics	Supply voltage Green LED
	Status display I/O Yellow LED
Nominal voltage U_N	24 V DC
Rated current, total	12 A
Max. current carrying capacity per path	2 A
Current carrying capacity per slot	4 A

Connection data

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
	1-6 / 1 (+ 24 V) = 19
	1-6 / 3 (0 V) = 6
	1-6 / 5 (PE) = 12

Material specifications

Color	green
Flammability rating according to UL 94	V0
Material of threaded sleeve	PA
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA
Material of contact, master cable side	CU alloy
Material of the contact carrier on the master cable side	PA
Material of contact surface, master cable side	gold-plated
O-ring material	NBR
Housing material	PA

Cable / line

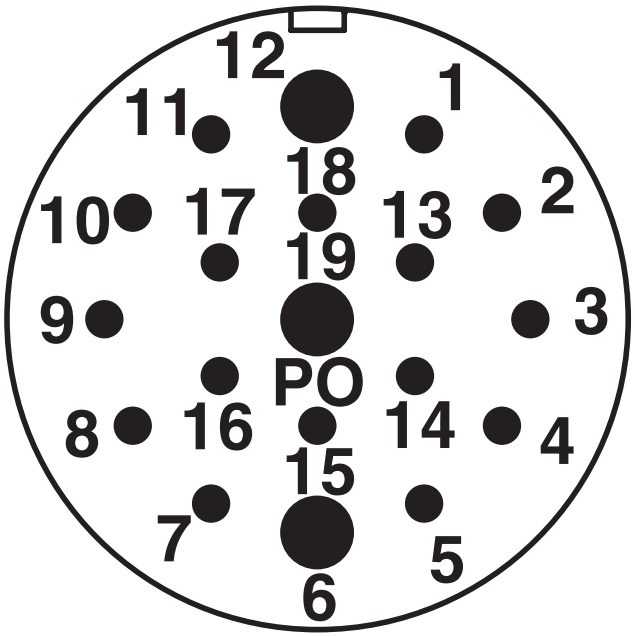
Master cable data/connection data

Sensor/actuator connection system	M12 socket
Connection method	M23 plug connection
Tightening torque slot sensor/actuator cable	0.4 Nm

Drawings

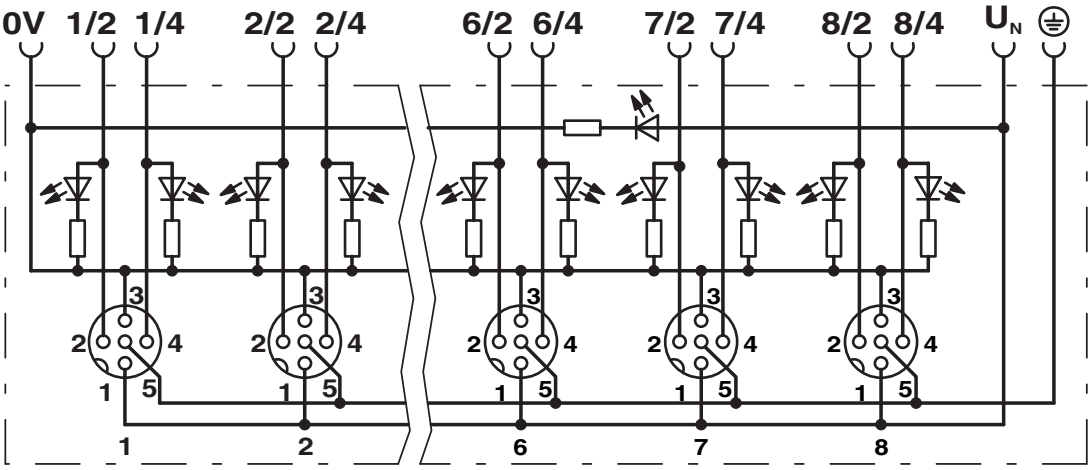
Dimensional drawing

Schematic diagram

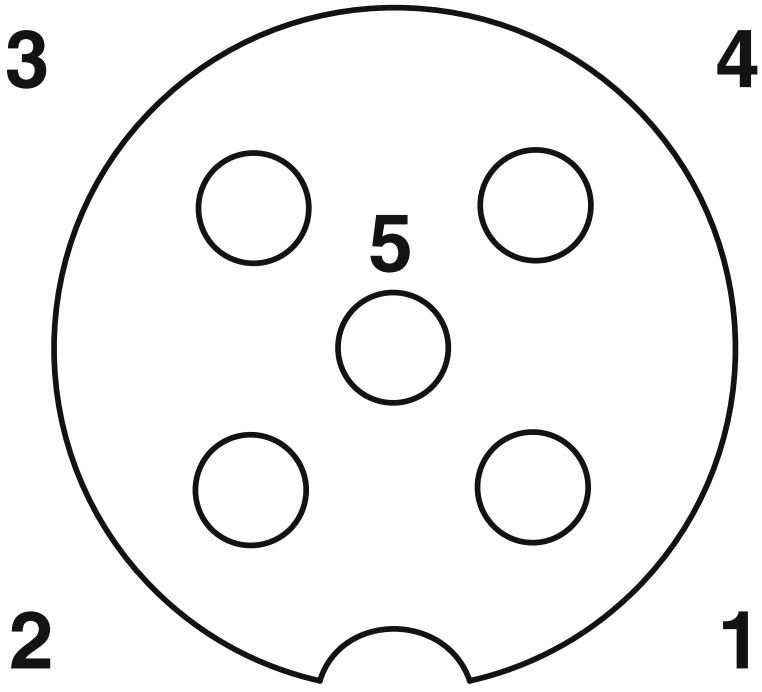


M23 plug connection pin, 19-pos.

Circuit diagram



Schematic diagram



M12 slot, socket, 5-pos.

Approvals

cUL Recognized
Approval ID: FILE E 118976

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	24 V		22 - 16	-

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	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
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Classifications

ECLASS

ECLASS-9.0	27440108
ECLASS-10.0.1	27440111
ECLASS-11.0	27440111

ETIM

ETIM 8.0	EC003558

UNSPSC

UNSPSC 21.0	31251500

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1

China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer’s declaration available under “Downloads”

Accessories

Master cable

Master cable - RCK-TGUM/BL16+3/ 5,0PUR-U - 1684056

https://www.phoenixcontact.com/tw/products/1684056

Master cable, application: Sensor/actuator box Plastic, number of positions: 19, slot assignment: Double, status display: No; master cable connection: M23 plug connection, PUR/PVC, cable length: 5 m, shielding: no

Master cable

Master cable - RCK-TGUM/BL16+3/10,0PUR-U - 1684069

https://www.phoenixcontact.com/tw/products/1684069

Master cable, application: Sensor/actuator box Plastic, number of positions: 19, slot assignment: Double, status display: No; master cable connection: M23 plug connection, PUR/PVC, cable length: 10 m, shielding: no

Master cable

Master cable - RCK-TWUM/BL16+3/ 5,0PUR-U - 1684072

https://www.phoenixcontact.com/tw/products/1684072

Master cable, application: Sensor/actuator box, connection method: M12 socket Plastic, number of positions: 19, slot assignment: Double, status display: No; master cable connection: M23 plug connection, PUR/PVC, cable length: 5 m, shielding: no

Master cable

Master cable - RCK-TWUM/BL16+3/10,0PUR-U - 1684085

https://www.phoenixcontact.com/tw/products/1684085

Master cable, application: Sensor/actuator box, connection method: M12 socket Plastic, number of positions: 19, slot assignment: Double, status display: No; master cable connection: M23 plug connection, PUR/PVC, cable length: 10 m, shielding: no

Female connector

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

https://www.phoenixcontact.com/tw/products/1000042

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

Female connector

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

https://www.phoenixcontact.com/tw/products/1000044

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

Screw plug

Screw plug - PROT-M12 - 1680539

https://www.phoenixcontact.com/tw/products/1680539

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

Protective cap

Protective cap - MSK 1 - 1665897

https://www.phoenixcontact.com/tw/products/1665897

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

Protective cap

Protective cap - MSK 2 - 1665907

https://www.phoenixcontact.com/tw/products/1665907

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

Sealing cap

Sealing cap - KSK 1 - 1685013

https://www.phoenixcontact.com/tw/products/1685013

Plastic sealing cap, for unoccupied M23 connectors

Zack marker strip

Zack marker strip - ZBN 18:UNBEDRUCKT - 2809128

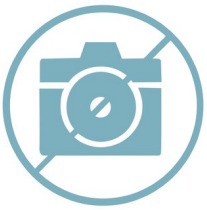
https://www.phoenixcontact.com/tw/products/2809128

Zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped, for terminal block width: 18 mm, lettering field size: 18 x 5 mm, Number of individual labels: 5

Pipe spanner

Pipe spanner - PLUSCON-RCS - 1665062

https://www.phoenixcontact.com/tw/products/1665062



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

Torque screwdriver

Torque screwdriver - TSD 04 SAC - 1208429

https://www.phoenixcontact.com/tw/products/1208429

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

Tool

Tool - SAC BIT M12-D15 - 1208432

https://www.phoenixcontact.com/tw/products/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

Tool

Tool - SACC BIT M12-D20 - 1208445

https://www.phoenixcontact.com/tw/products/1208445

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

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