SACB-8/16-M23 180 - Distributor box

1692789

https://www.phoenixcontact.com/us/products/1692789

PHŒNIX CONTACT

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Distributor box, application: Standard, connection method: M12 socket Plastic, number of slots: 8, number of positions: 5, coding: A, slot assignment: Double, status display: No, Universal; master cable connection: M23 plug connection 180°, shielding: no

Your advantages

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

Commercial data

Item number	1692789
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF41
Product key	BF3CBB
Catalog page	Page 114 (PC-2009)
GTIN	4017918177850
Weight per piece (including packing)	166.7 g
Weight per piece (excluding packing)	149.4 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

Assembly note	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 box
Application	Standard
Number of positions	5
Number of slots	8
Coding	A
LED	no

Electrical properties

Max. operating voltage U_{max}	135 V
Nominal voltage U_N	120 V AC
	120 V DC
Rated current, total	12 A
Max. current carrying capacity per path	2 A
Current carrying capacity per slot	4 A

Connection data

Conductor connection

Sensor/actuator connection system	M12 socket
Tightening torque slot sensor/actuator cable	0.4 Nm

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

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	7 / 4 (A) = 11
	7 / 2 (B) = 10
	8 / 4 (A) = 1
	8 / 2 (B) = 18
	1-8 / 1 (+ 120 V) = 19
	1-8 / 3 (0 V) = 6
	1-8 / 5 (PE) = 12

Signaling

Status display present	No

Dimensions
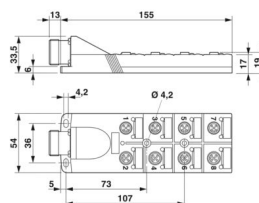
Dimensional drawing	
Width	54 mm
Height	34 mm
Length	155 mm

Material specifications

Material Threaded sleeve	PA
Material Housing	PA
Flammability rating according to UL 94	V0
Seal material O-ring	NBR
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

Cable/line

Connection method	M23 plug connection

Environmental and real-life conditions

Ambient conditions

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

Drawings

Circuit diagram

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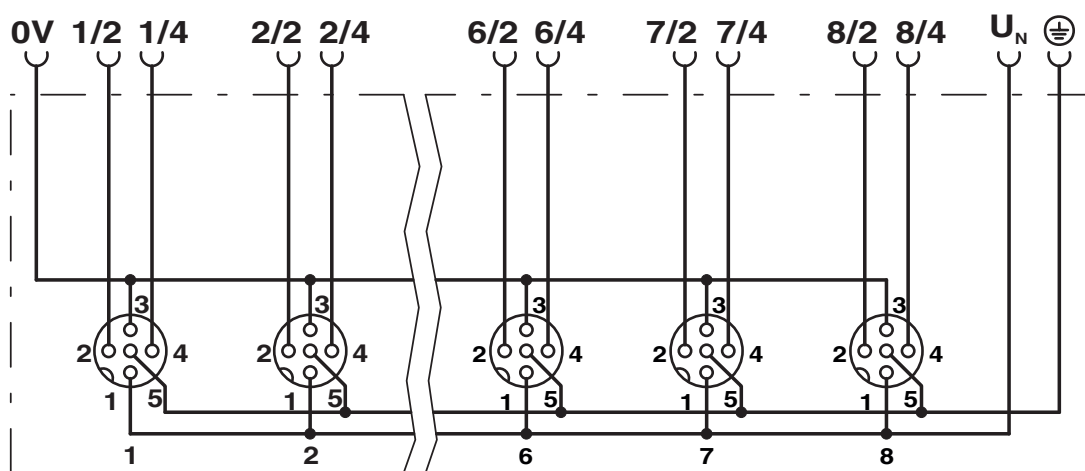
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Schematic diagram

3   **4**

5

2   **1**
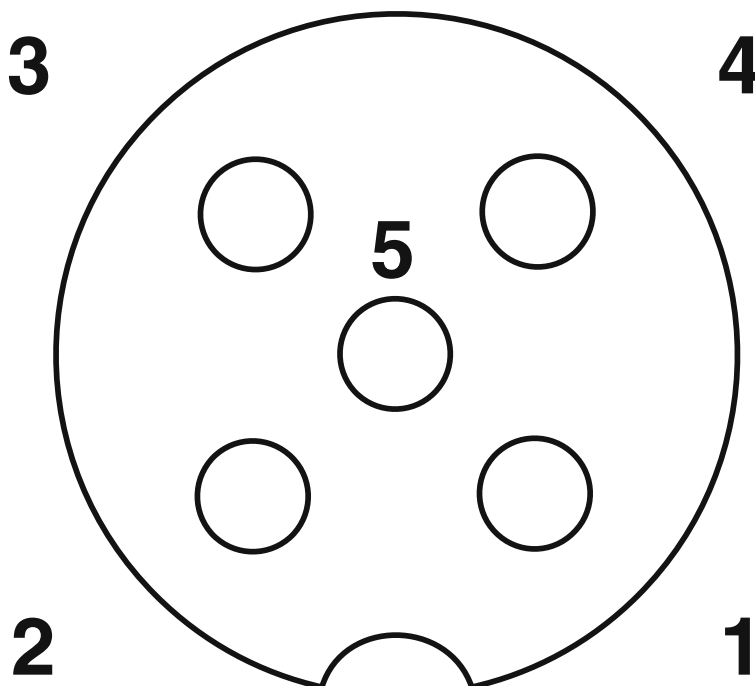
M12 slot, socket, 5-pos.

Schematic diagram

12
11   1
18
10   17   13   2
19
9   3
PO
8   16   14   4
15
7   5
6
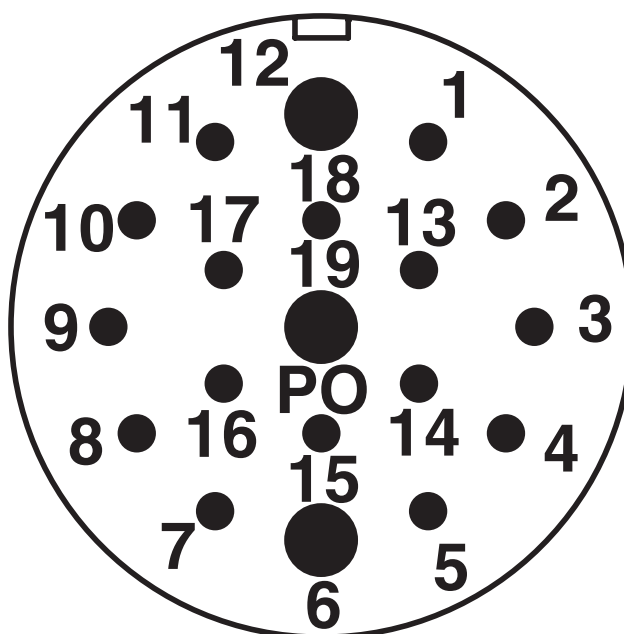
M23 plug connection pin, 19-pos.

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Dimensional drawing
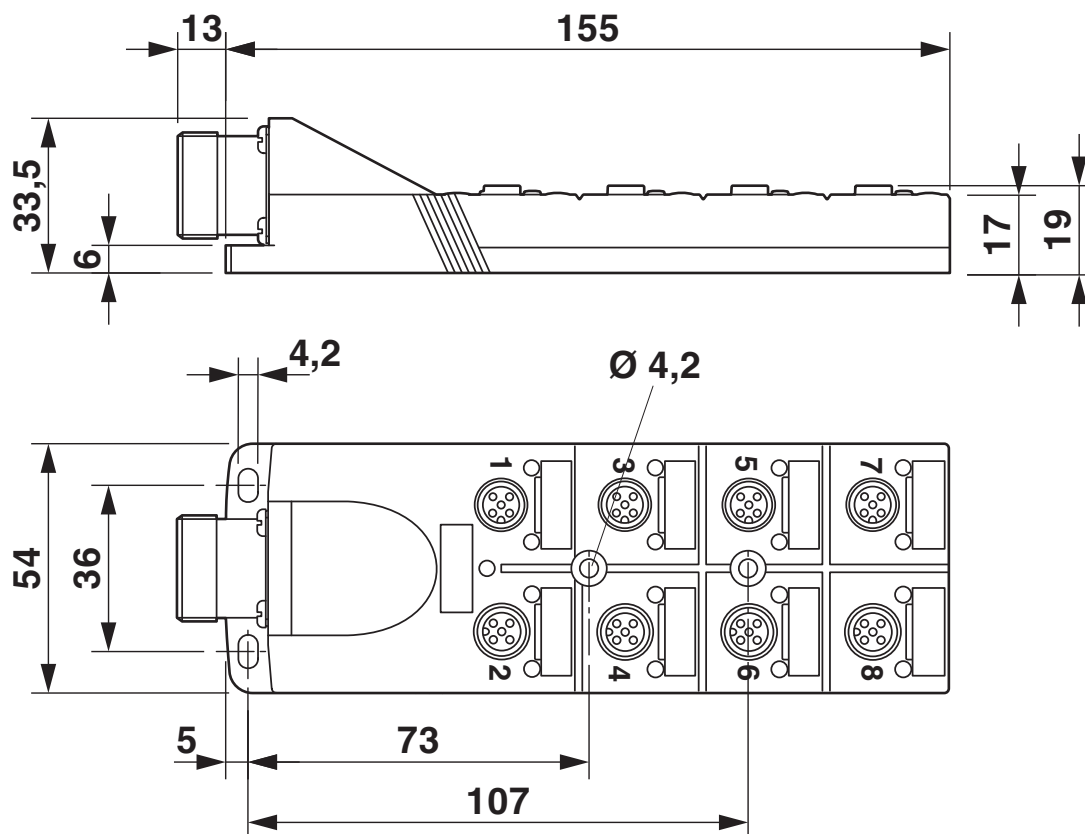
Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1692789

cUL Recognized
Approval ID: E118976

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	120 V	-	22 - 16	-

UL Recognized
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	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	120 V	-	22 - 16	-

EAC
Approval ID: RU C-DE.BL08.B.00511

cULus Recognized

Classifications

ECLASS

ECLASS-11.0	27440111
ECLASS-12.0	27440111
ECLASS-13.0	27440111

ETIM

ETIM 9.0	EC003558

UNSPSC

UNSPSC 21.0	31251500

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	144b24b1-04b1-4e8e-980b-5402e4694059

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Accessories

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

1684056

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

Master cable, application: Sensor/actuator box, number of positions: 19, slot assignment: Double, status display: No; master cable connection: M23 plug connection, PUR/PVC, cable length: 5 m, shielding: no, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1260765

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

1684069

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

Master cable, application: Sensor/actuator box, number of positions: 19, slot assignment: Double, status display: No; master cable connection: M23 plug connection, PUR/PVC, cable length: 10 m, shielding: no, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1260764

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

1684072

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

Master cable, application: Sensor/actuator box, number of positions: 19, slot assignment: Double, status display: No; master cable connection: M23 plug connection, PUR/PVC, cable length: 5 m, shielding: no, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1260753

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

1684085

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

Master cable, application: Sensor/actuator box, number of positions: 19, slot assignment: Double, status display: No; master cable connection: M23 plug connection, PUR/PVC, cable length: 10 m, shielding: no, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1260752

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

1000042

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

Cable connector, number of positions: 19, status display: No; master cable connection: M23 screw locking, shielding: no, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1237971

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

1000044

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

Cable connector, number of positions: 19, status display: No; master cable connection: M23 screw locking, shielding: no, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1237973

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PROT-M12 - Screw plug

1680539

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

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

MSK 1 - Metal protective cap

1665897

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

Metal protective cap, degree of protection: IP67, when in locked state, color: silver, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1245640

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MSK 2 - Protective cap

1665907

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

Protective cap, degree of protection: IP67, when in locked state, color: silver, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0. 1 %) item no.: 1245641

KSK 1 - Sealing cap

1685013

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

Plastic sealing cap, for unoccupied M23 connectors

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ZBN 18:UNBEDRUCKT - Zack marker strip

2809128

https://www.phoenixcontact.com/us/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

PLUSCON-RCS - Pipe spanner

1665062

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Pipe spanner

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TSD 04 SAC - Torque screwdriver

1208429

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

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

SAC BIT M12-D15 - Tool

1208432

https://www.phoenixcontact.com/us/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

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SACC BIT M12-D20 - Tool

1208445

https://www.phoenixcontact.com/us/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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