

SACB-6/12-M23 - Distributor box



1692828

<https://www.phoenixcontact.com/pc/products/1692828>

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Distributor box, application: Standard, connection method: M12 socket Plastic, number of slots: 6, number of positions: 5, coding: A, slot assignment: Double, status display: No, Universal; master cable connection: M23 plug connection 90°, 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	1692828
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	02
Product key	BF3CBB
Catalog page	Page 114 (PC-2009)
GTIN	4017918177959
Weight per piece (including packing)	134.8 g
Weight per piece (excluding packing)	112.62 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

General	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.
General	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	6
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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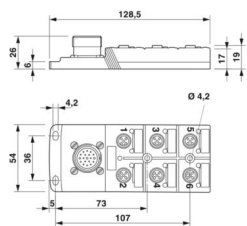
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	1-6 / 1 (+ 120 V) = 19
	1-6 / 3 (0 V) = 6
	1-6 / 5 (PE) = 12

Signaling

Status display present	No
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Dimensions

Dimensional drawing	
Width	54 mm
Height	26 mm
Length	129 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
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Environmental and real-life conditions

Ambient conditions

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

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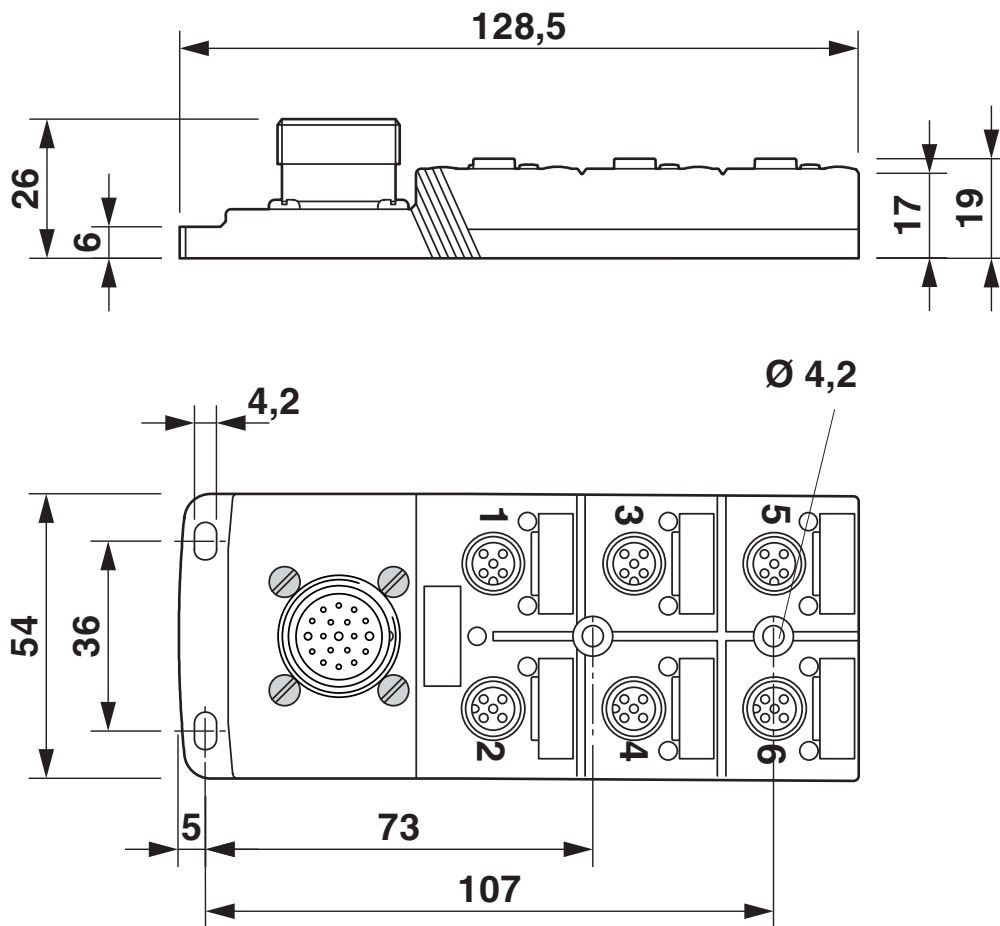


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Drawings

Dimensional drawing

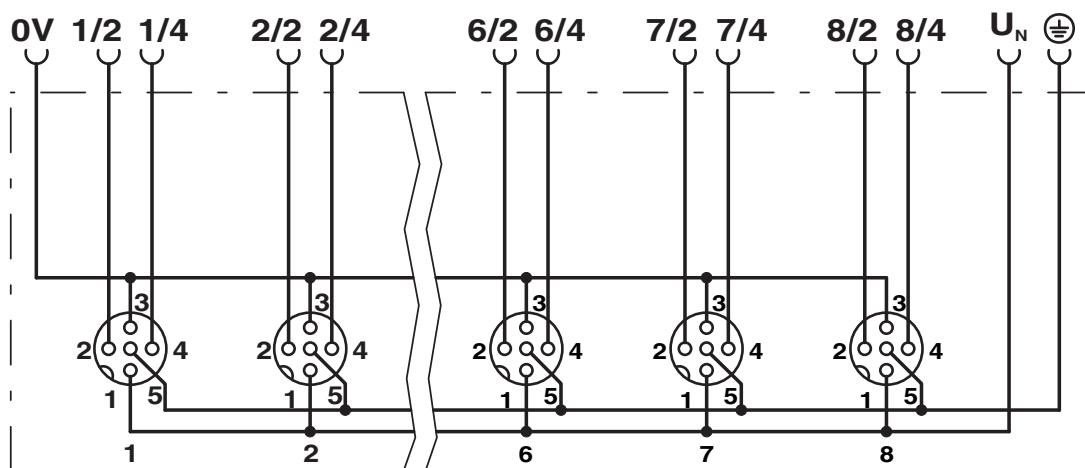


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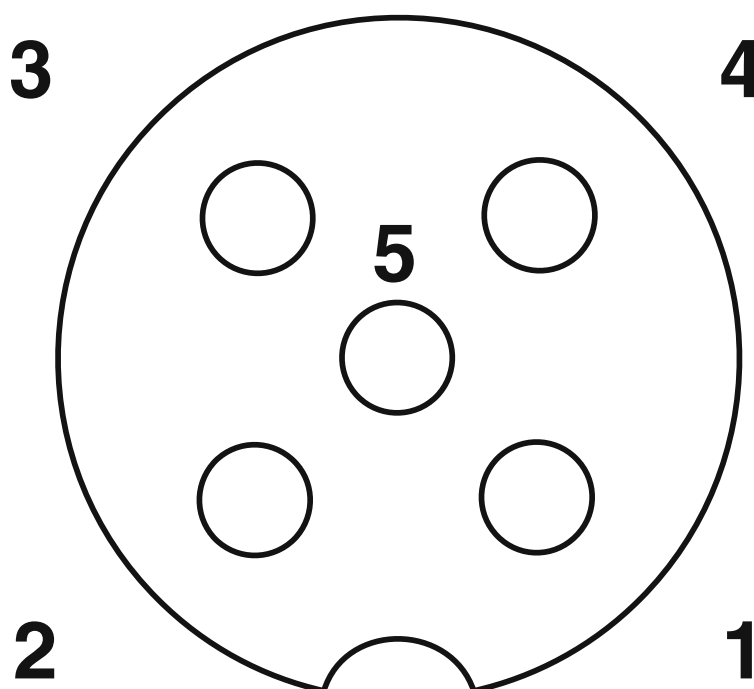
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Circuit diagram



Schematic diagram



M12 slot, socket, 5-pos.

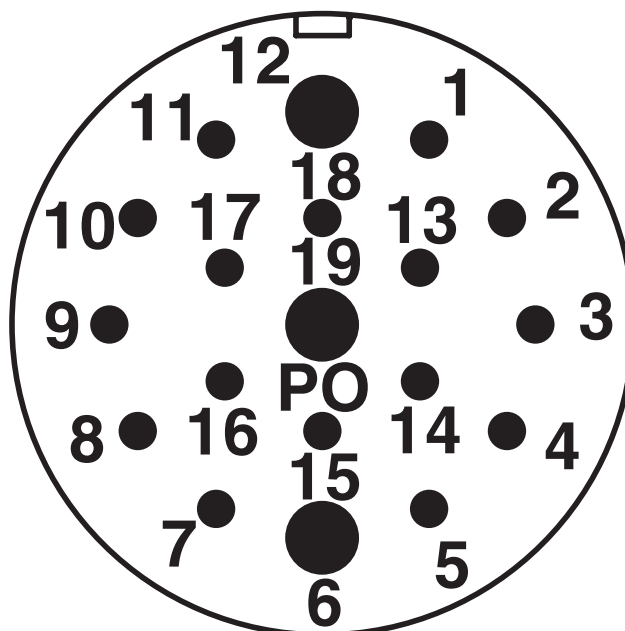
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Schematic diagram



M23 plug connection pin, 19-pos.

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/1692828>

 cUL Recognized Approval ID: FILE E 118976				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	120 V	-	22 - 16	-

 UL Recognized Approval ID: FILE E 118976				
	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	
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cULus Recognized	
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Classifications

ECLASS

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

ETIM

ETIM 9.0	EC003558
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UNSPSC

UNSPSC 21.0	31251500
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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"

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