

# SACB-6/12-M23 - Distributor box



1692828

<https://www.phoenixcontact.com/us/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	BF41
Product key	AF3CBB
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

Assembly note	<b>NOTE:</b> Observe the permissible bending radii when routing cables, since the degree of protection may be at risk if the bending forces are too high. Reduce 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	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

#### Connection 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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1-6 / 1 (+ 120 V) = 19

1-6 / 3 (0 V) = 6

1-6 / 5 (PE) = 12

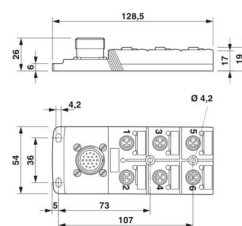
## Signaling

Status display present

no

## 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

## Environmental and real-life conditions

Ambient conditions

Degree of protection

IP65

IP67

Ambient temperature (operation)

-20 °C ... 75 °C

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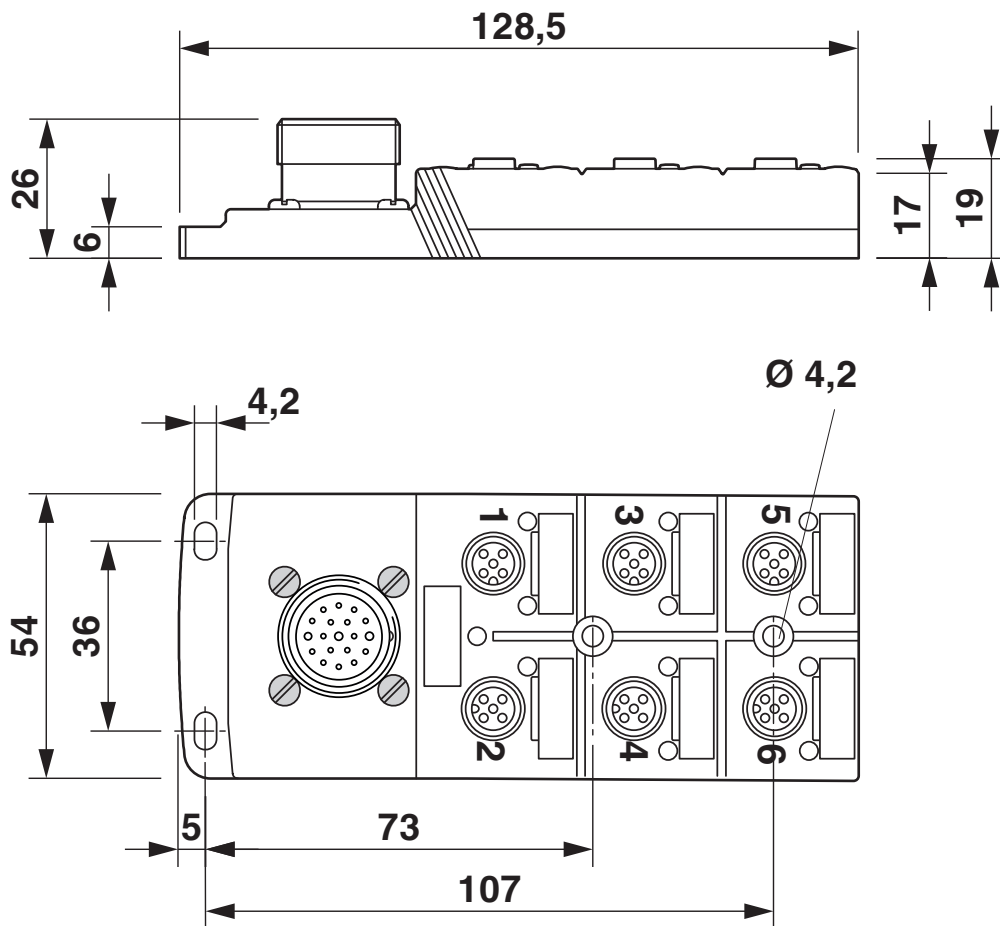
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## Drawings

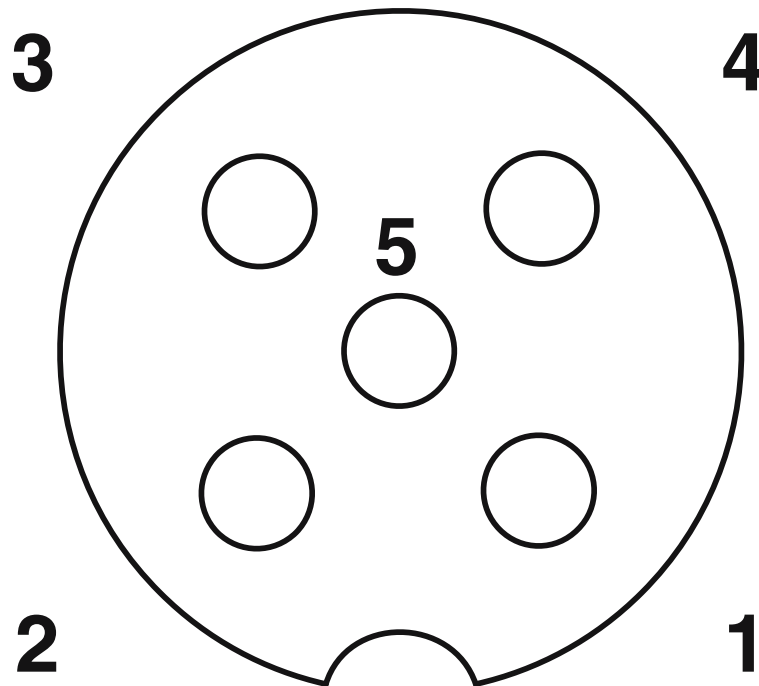
Dimensional drawing



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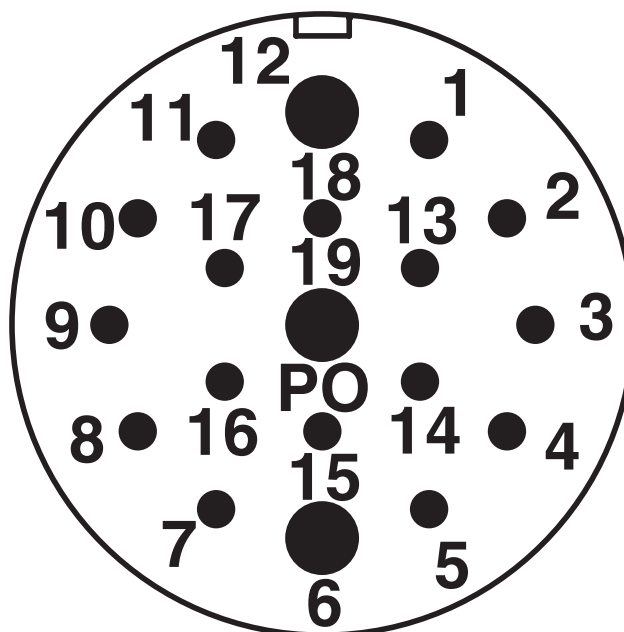
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Schematic diagram



M12 slot, socket, 5-pos.

Schematic diagram



M23 plug connection pin, 19-pos.

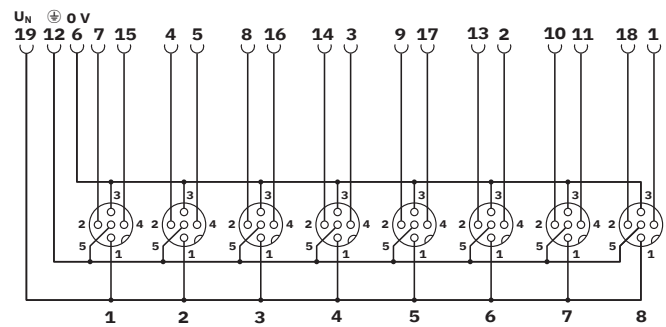
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Circuit diagram



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## Approvals

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

 <b>cUL Recognized</b> Approval ID: E118976				
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
keine				
	120 V	-	22 - 16	-

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	120 V	-	22 - 16	-

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## Classifications

### ECLASS

ECLASS-13.0	27440111
ECLASS-15.0	27440111

### ETIM

ETIM 9.0	EC003558
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### 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	0504c29d-cd6a-4205-98d6-fb2585ac3c8c

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