

# SACB-6/ 6-M23 180 - Distributor box



1692750

<https://www.phoenixcontact.com/us/products/1692750>

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Distributor box, application: Standard, connection method: M12 socket Plastic, number of slots: 6, number of positions: 4, coding: A, slot assignment: single, 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

## Commercial data

Item number	1692750
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF41
Product key	AF3CBB
GTIN	4017918177829
Weight per piece (including packing)	126.5 g
Weight per piece (excluding packing)	126.5 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Product properties

Product type	Distributor box
Application	Standard
Number of positions	4
Number of slots	6
Coding	A
LED	no

### Electrical properties

Max. operating voltage $U_{max}$	135 V
Nominal voltage $U_N$	120 V
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) = 1
	2 / 4 (A) = 2
	3 / 4 (A) = 3
	4 / 4 (A) = 4
	5 / 4 (A) = 5
	6 / 4 (A) = 6
	1-4 / 1 (+ 120 V) = 11
	1-4 / 3 (0 V) = 9+10
1-4 / 5 (PE) = 12	

### Signaling

Status display present	no
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### Dimensions

Dimensional drawing	<p>The drawing shows two views of the distributor box. The top view (left) shows a rectangular box with a width of 107 mm and a height of 54 mm. The front view (right) shows a depth of 128.5 mm and a height of 17 mm. Other dimensions include 13 mm for the top edge, 33.8 mm for the front edge, 4.2 mm for the slot width, and a diameter of 0.4 mm for the slot. The box has six slots on the front face, arranged in two rows of three.</p>
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Width	54 mm
Height	34 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 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

# SACB-6/ 6-M23 180 - Distributor box

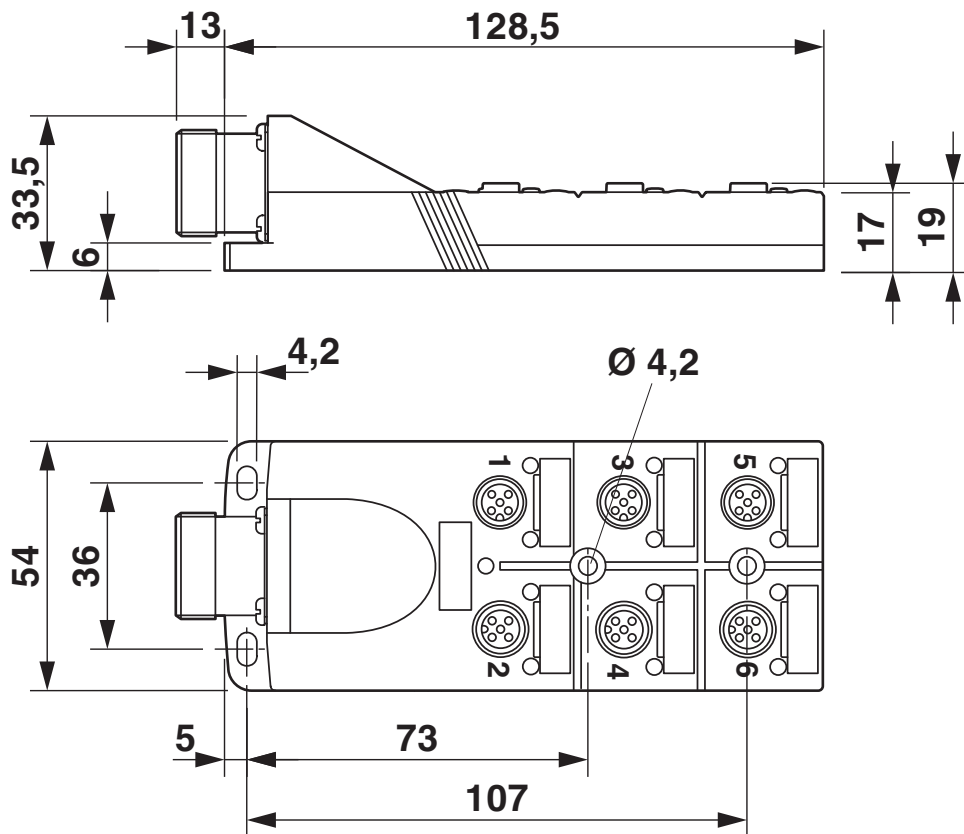


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## Drawings

Dimensional drawing



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Schematic diagram



M12 slot, socket, 4-pos.

Schematic diagram



M23 plug connection pin, 12-pos.

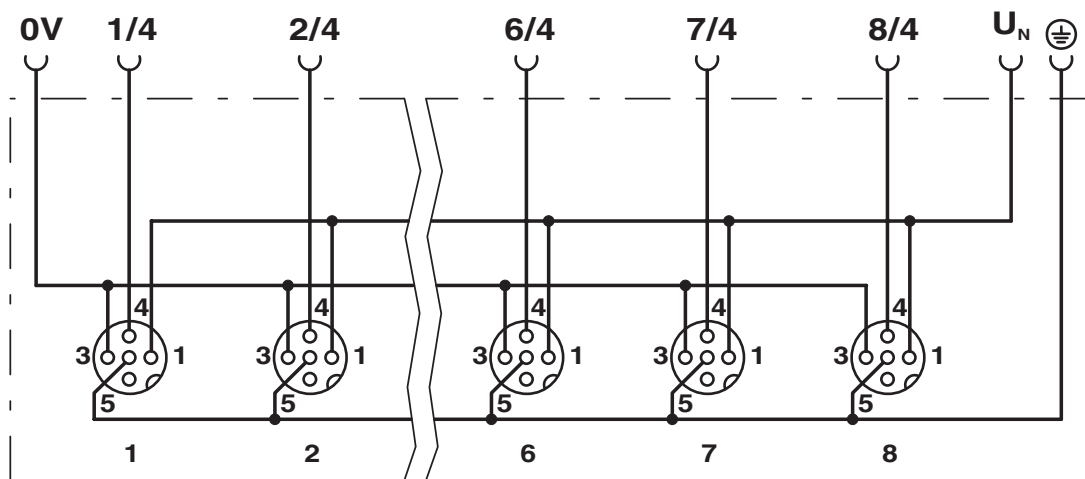
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Circuit diagram



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## Classifications

### ECLASS

ECLASS-13.0	27440111
ECLASS-15.0	27440111

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## Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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