

SACB-6/12-M23 P12 - Distributor box



1491730
<https://www.phoenixcontact.com/ca/products/1491730>

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Distributor box, application: Standard, connection method: M12 socket / M12 PUSH-PULL female connector, number of slots: 6, number of positions: 5, coding: A, slot assignment: Double, status display: no, Universal; master cable connection: M23 plug-in connection (for standard and ONECLICK fast-locking system) 90°, shielding: no

Your advantages

- Safety in the field, thanks to molded housing and high degree of protection
- Fast, secure installation of connectors with the push-pull fast-locking system in accordance with IEC 61076-2-010
- Save space: distributor box with double occupancy for two sensors in one slot

Commercial data

Item number	1491730
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	AF3CBB
GTIN	4063151939489
Weight per piece (including packing)	234.1 g
Weight per piece (excluding packing)	234.1 g
Country of origin	DE

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Technical data

Notes

Assembly note	NOTE: 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".
Note on application	An O-ring is required when using an M23 screw connector.

Product properties

Product type	Distributor box
Application	Standard
Number of positions	5
Number of slots	6
Coding	A

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
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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)
	5 / 2 (B) = 9
	6 / 4 (A)
	6 / 2 (B) = 13
	1-6 / 1 (+ 120 V) = 19

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1-6 / 3 (0 V) = 6

1-6 / 5 (PE) = 12

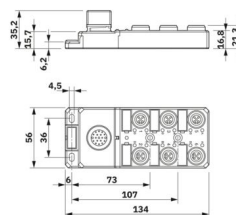
Signaling

Status display present

no

Dimensions

Dimensional drawing



Width

56 mm

Height

35.2 mm

Length

134 mm

Material specifications

Material Housing

PBT

Flammability rating according to UL 94

V0

Seal material

FKM

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-in connection (for standard and ONECLICK fast-locking system)

Environmental and real-life conditions

Ambient conditions

Degree of protection

IP65

IP67

Ambient temperature (operation)

-25 °C ... 80 °C

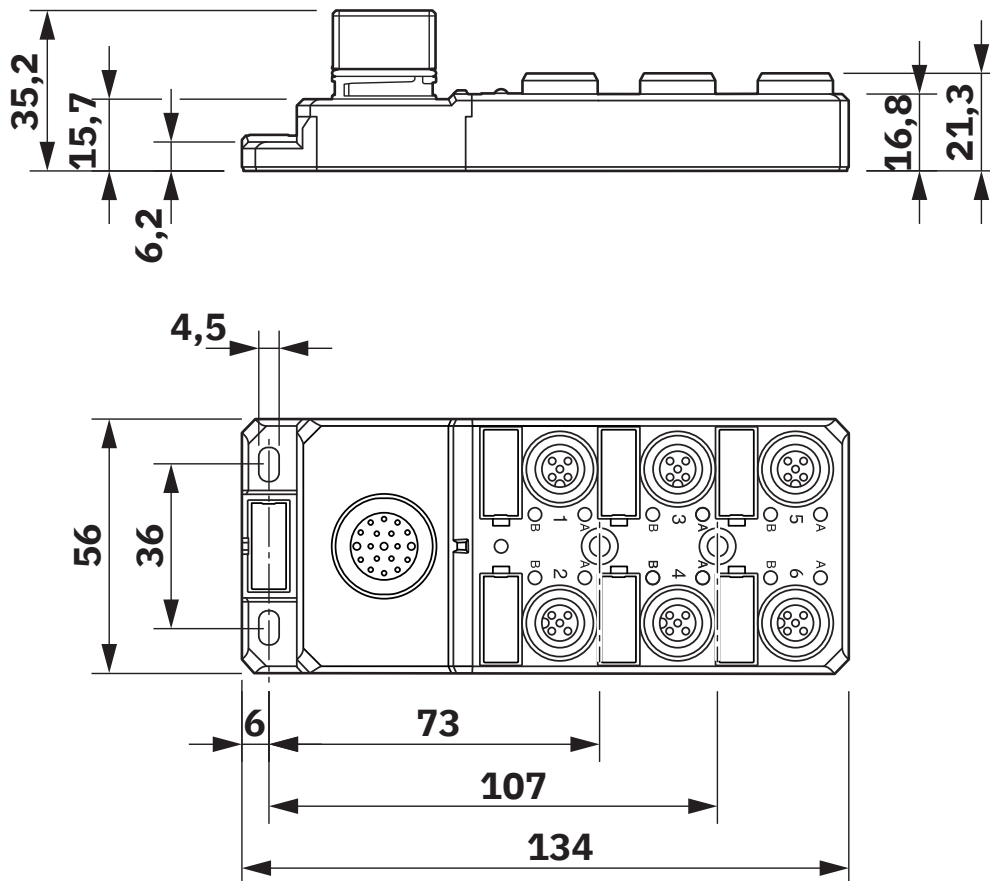
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Drawings

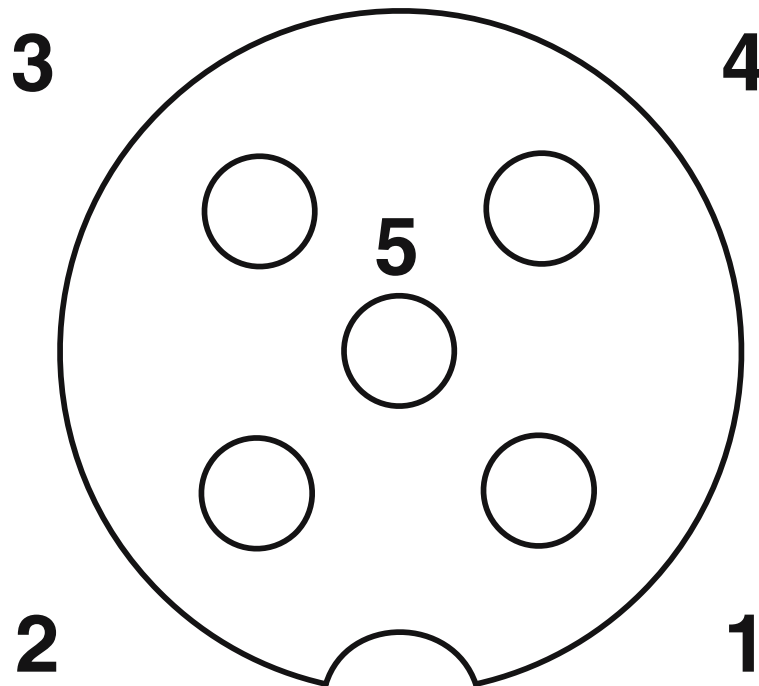
Dimensional drawing



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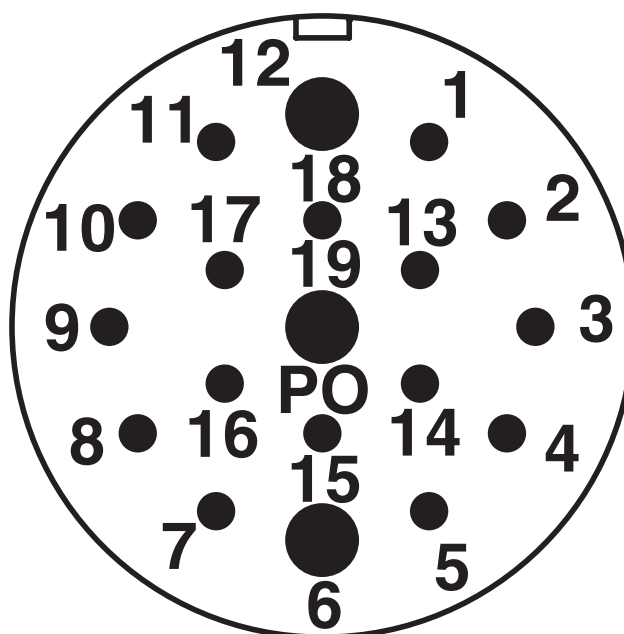
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Schematic diagram



M12 slot, socket, 5-pos.

Schematic diagram



M23 plug connection pin, 19-pos.

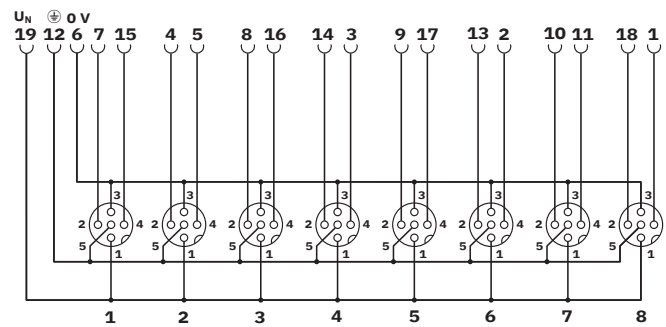
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Circuit diagram



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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, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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