

SACB-6/12-C SCO P - Distributor box



1452770

<https://www.phoenixcontact.com/pc/products/1452770>

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Distributor box, application: Standard, connection method: M12-SPEEDCON-socket Plastic, number of slots: 6, number of positions: 5, coding: A, slot assignment: Double, status display: No, Universal; master cable connection: Pluggable screw 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
- Save time, thanks to installation with SPEEDCON fast locking system
- Flexible: distributor box with connector hood for on-site assembly

Commercial data

Item number	1452770
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	BF3CBD
Catalog page	Page 263 (C-2-2019)
GTIN	4046356553513
Weight per piece (including packing)	198.6 g
Weight per piece (excluding packing)	198.6 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

General	For details about the PCB connectors used, refer to the technical data for MC 1,5/10-STF-3,5 (1847204)
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

Nominal voltage U_N	120 V AC
	120 V DC
Rated current, total	10 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-SPEEDCON-socket
Conductor cross section Flexible signal line	0.14 mm ² ... 1.5 mm ²
Conductor cross section Flexible power supply	0.14 mm ² ... 1.5 mm ²
Connection cross section AWG Flexible signal line	26 ... 16
Connection cross section AWG Flexible power supply	26 ... 16
Stripping length	7 mm
Stripping length	7 mm
Stripping length of the sheath	50 mm (Master cable)
Tightening torque, cover screw	1 Nm
Tightening torque slot sensor/actuator cable	0.4 Nm
Tightening torque of mounting screw for fixing the housing	0.5 Nm
Tightening torque, union nut	2.5 Nm

Pin assignment

Slot/position = Wire color or connection	1 / 4 (A) = WH
	1 / 2 (B) = GYPK

SACB-6/12-C SCO P - Distributor box



1452770

<https://www.phoenixcontact.com/pc/products/1452770>

2 / 4 (A) = GN
2 / 2 (B) = RDBU
3 / 4 (A) = YE
3 / 2 (B) = WHGN
4 / 4 (A) = GY
4 / 2 (B) = BNGN
5 / 4 (A) = PK
5 / 2 (B) = WHYE
6 / 4 (A) = RD
6 / 2 (B) = YEEN
1-6 / 1 (+ 120 V) = BN
1-6 / 3 (0 V) = BU
1-6 / 5 (PE) = GNYE

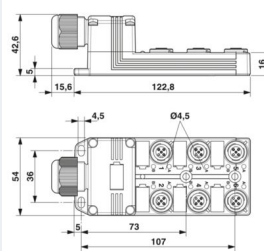
Signaling

Status display present

No

Dimensions

Dimensional drawing



Width

54 mm

Height

43 mm

Length

123 mm

Material specifications

Material Threaded sleeve

PBT

Material Housing

PBT

Material Molding compound

PUR

Flammability rating according to UL 94
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V0

Seal material O-ring

NBR

Contact material

Cu alloy

Contact surface material

gold-plated

Contact carrier material

PA

Material of contact, master cable side
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CU alloy

Material of the contact carrier on the master cable side
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PA

Material of contact surface, master cable side
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Sn

Cable/line

External cable diameter ()

7 mm ... 12 mm

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1452770

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Connection method	Pluggable screw connection
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C ... 80 °C

Standards and regulations

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101

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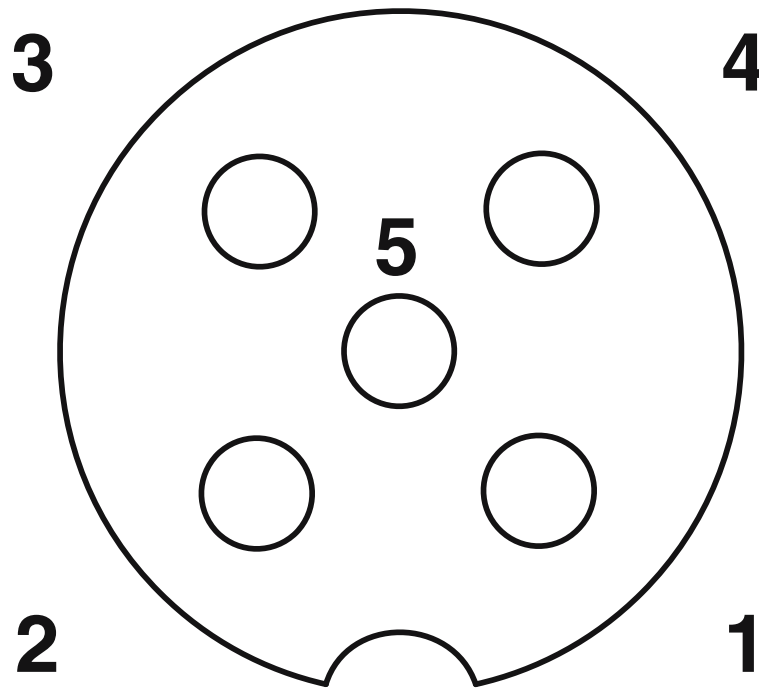


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Drawings

Schematic diagram



M12 slot, socket, 5-pos.

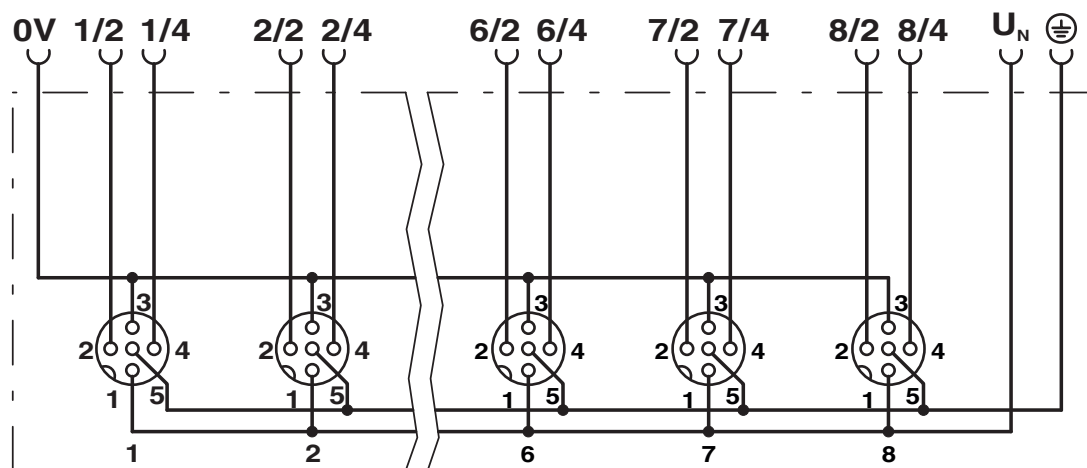
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Circuit diagram

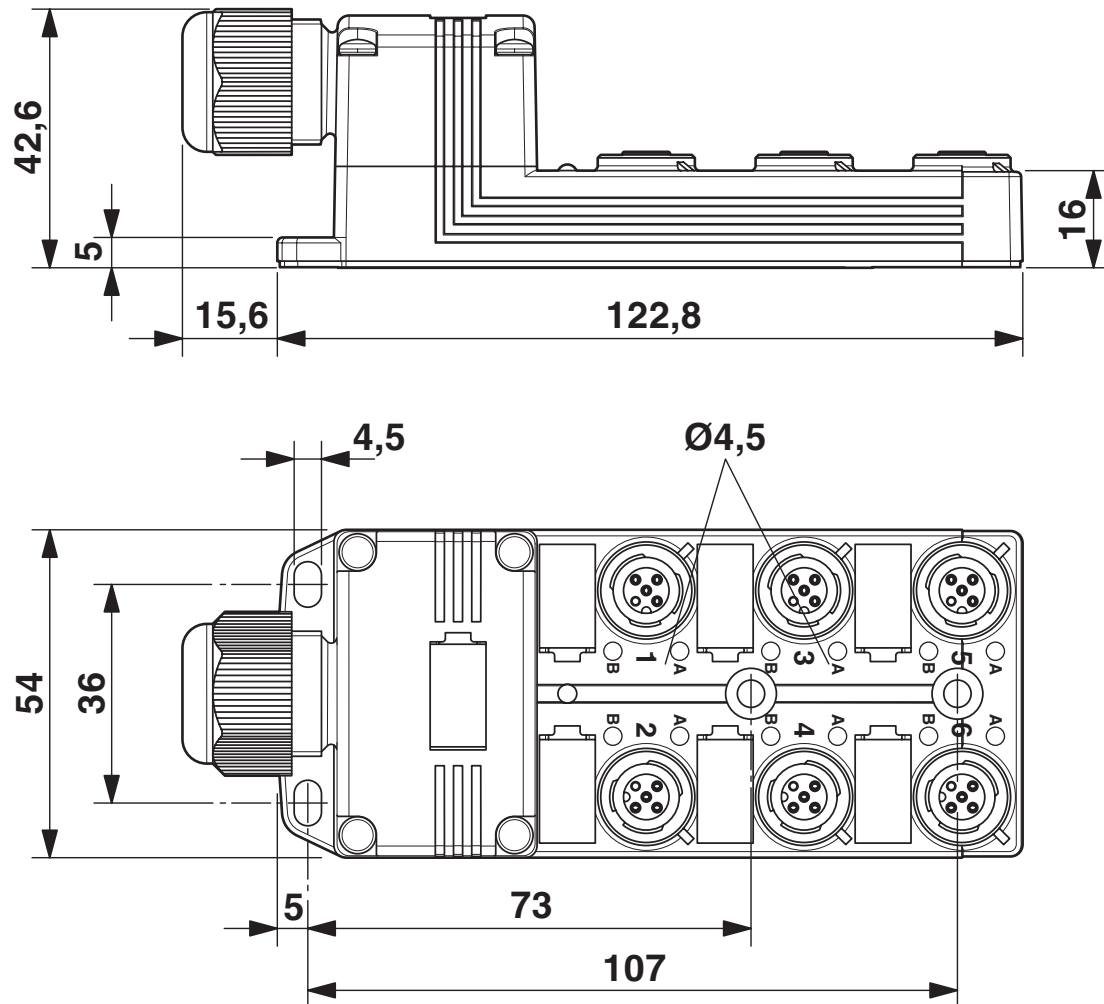


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Dimensional drawing



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/1452770>

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

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

 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

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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