

SACB-8/ 8-SC SCO P - Distributor box



1452961
<https://www.phoenixcontact.com/pc/products/1452961>

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Distributor box, application: Standard, connection method: M12-SPEEDCON-socket Plastic, number of slots: 8, number of positions: 4, coding: A, slot assignment: single, status display: No, Universal; master cable connection: Spring-cage connection 180°, shielding: no

Your advantages

- Safety in the field, thanks to molded housing and high degree of protection
- Save time, thanks to installation with SPEEDCON fast locking system
- Flexible: distributor box with connector hood for on-site assembly

Commercial data

Item number	1452961
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	BF3CBC
Catalog page	Page 262 (C-2-2019)
GTIN	4046356553582
Weight per piece (including packing)	219.5 g
Weight per piece (excluding packing)	219.5 g
Customs tariff number	85366990
Country of origin	PL

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Technical data

Notes

General	When connecting the signal lines to the black PCB terminal blocks, please use a 0.4 x 2.0 mm screwdriver. The black PCB terminal blocks only require a minimal amount of operating force. Screwdriver: SZS 0,4X2,0 - 1205202 Using larger screwdrivers or excessive force may damage the PCB terminal blocks. When using ferrules, the wires can be inserted straight into the PCB terminal blocks without opening the clamping area.
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Product properties

Product type	Distributor box
Application	Standard
Number of positions	4
Number of slots	8
Coding	A
LED	No

Electrical properties

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-SPEEDCON-socket
Conductor cross section Flexible signal line	0.2 mm ² ... 0.5 mm ²
Conductor cross section Flexible power supply	0.2 mm ² ... 1.5 mm ²
Connection cross section AWG Flexible signal line	24 ... 20
Connection cross section AWG Flexible power supply	24 ... 16
Stripping length	6 mm
Stripping length	10 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
	2 / 4 (A) = GN
	3 / 4 (A) = YE

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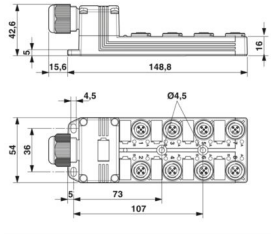
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	4 / 4 (A) = GY
	5 / 4 (A) = PK
	6 / 4 (A) = RD
	7 / 4 (A) = BK
	8 / 4 (A) = VT
	1-8 / 1 (+ 120 V) = BN
	1-8 / 3 (0 V) = BU
	1-8 / 5 (PE) = GNYE

Signaling

Status display present	No
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Dimensions

Dimensional drawing	
Width	54 mm
Height	42 mm
Length	149 mm

Material specifications

Material Threaded sleeve	PBT
Material Housing	PBT
Material Molding compound	PUR
Flammability rating according to UL 94	V0
Seal material O-ring	NBR
Contact material	Cu alloy
Contact surface material	gold-plated
Contact carrier material	PA

Cable/line

External cable diameter ()	7 mm ... 12 mm
Connection method	Spring-cage connection

Environmental and real-life conditions

Ambient conditions

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

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Standards and regulations

M12

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

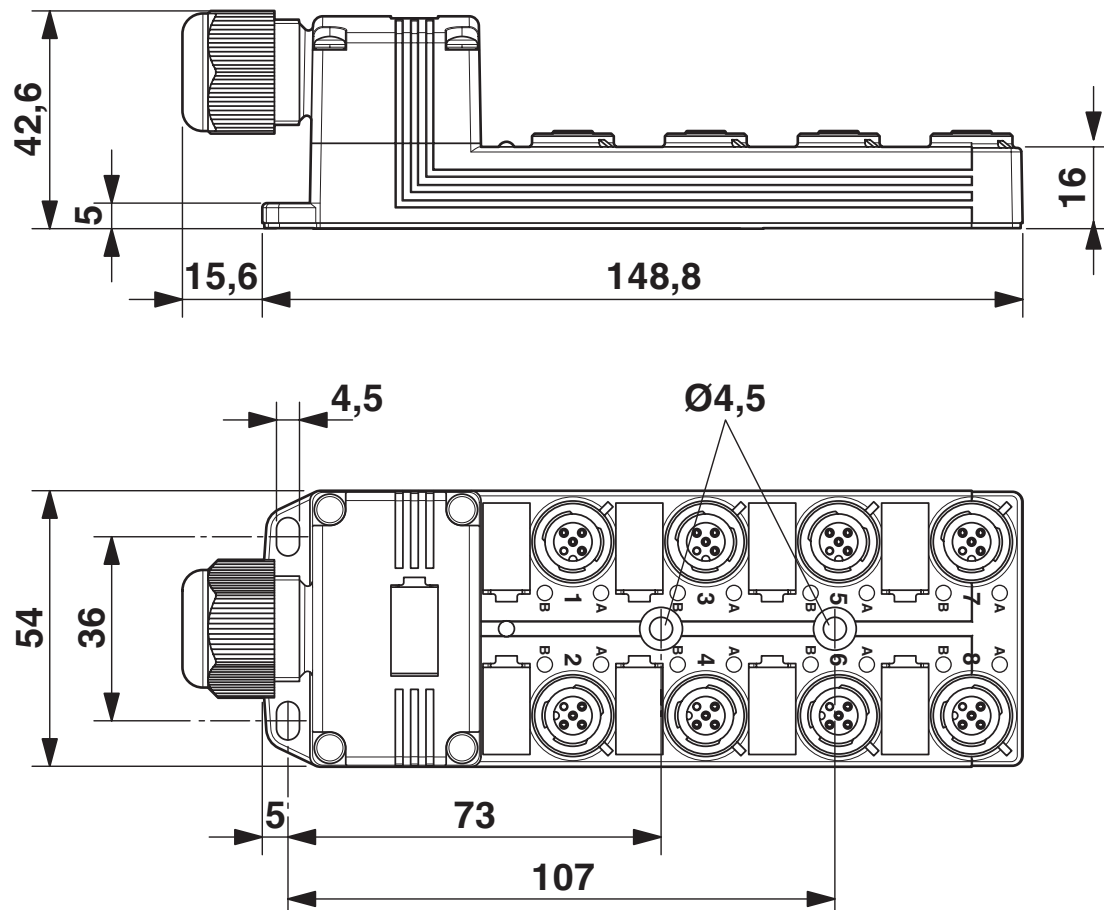
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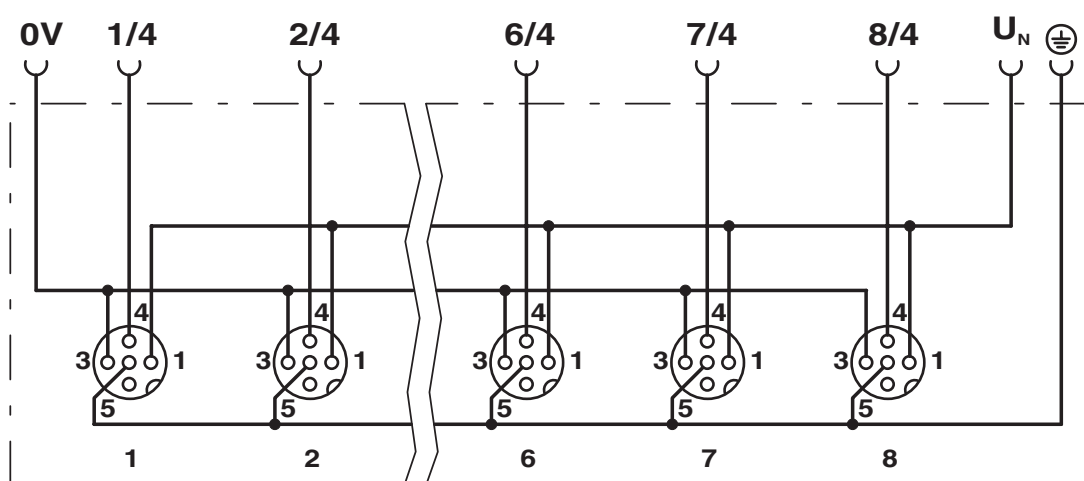
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Drawings

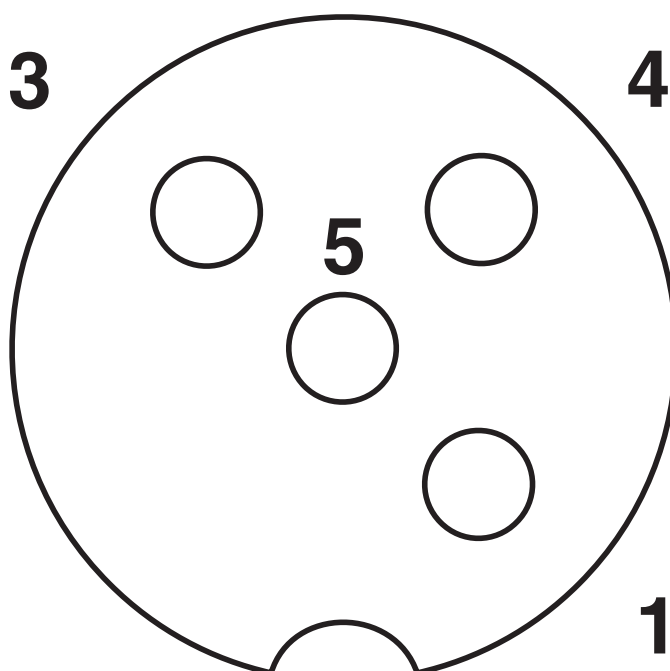
Dimensional drawing



Circuit diagram



Schematic diagram



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Classifications

ECLASS

ECLASS-11.0	27440111
ECLASS-13.0	27440111

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Environmental product compliance

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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