

SACB-8/16-L-SC SCO P - Distributor box



1453038
<https://www.phoenixcontact.com/it/products/1453038>

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Distributor box, application: Standard, connection method: M12-SPEEDCON-socket Plastic, number of slots: 8, number of positions: 5, coding: A, slot assignment: Double, status display: Yes, pnp; master cable connection: Spring-cage connection 180°, shielding: no

Your advantages

- Safety in the field, thanks to molded housing and high degree of protection
- Convenient: increased machine availability thanks to quick and easy diagnostics
- 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	1453038
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF3
Product key	BF3CBC
Catalog page	Page 262 (C-2-2019)
GTIN	4046356553650
Weight per piece (including packing)	222 g
Weight per piece (excluding packing)	221.3 g
Customs tariff number	85366990
Country of origin	DE

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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.
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".

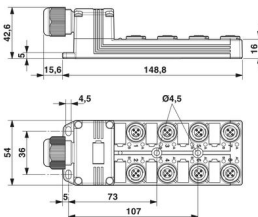
Product properties

Product type	Distributor boxes with M8 to M12 slots
Number of positions	5
Application	Standard
Number of slots	8
Coding	A
LED	yes

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

Dimensions

Dimensional drawing	
Width	54 mm

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Height	43 mm
Length	149 mm

Signaling

Status display present	Yes
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Electrical properties

Max. operating voltage $U_{\max}$	30 V DC
Local diagnostics	Supply voltage Green LED
	Status display I/O Yellow LED
Nominal voltage U_N	24 V DC
Rated current, total	12 A
Max. current carrying capacity per path	2 A
Current carrying capacity per slot	4 A

Cable/line

Sensor/actuator connection system	M12-SPEEDCON-socket
Connection method	Spring-cage connection
External cable diameter	7 mm ... 12 mm
Stripping length (signal)	6 mm
Stripping length (power)	10 mm
Stripping length for sheath	50 mm (Master cable)
Tightening torque, cover screw	1 Nm
Tightening torque of mounting screw for fixing the housing	0.5 Nm
Tightening torque slot sensor/actuator cable	0.4 Nm
Tightening torque, union nut	2.5 Nm

Standards and regulations

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

Environmental and real-life conditions

Ambient conditions

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

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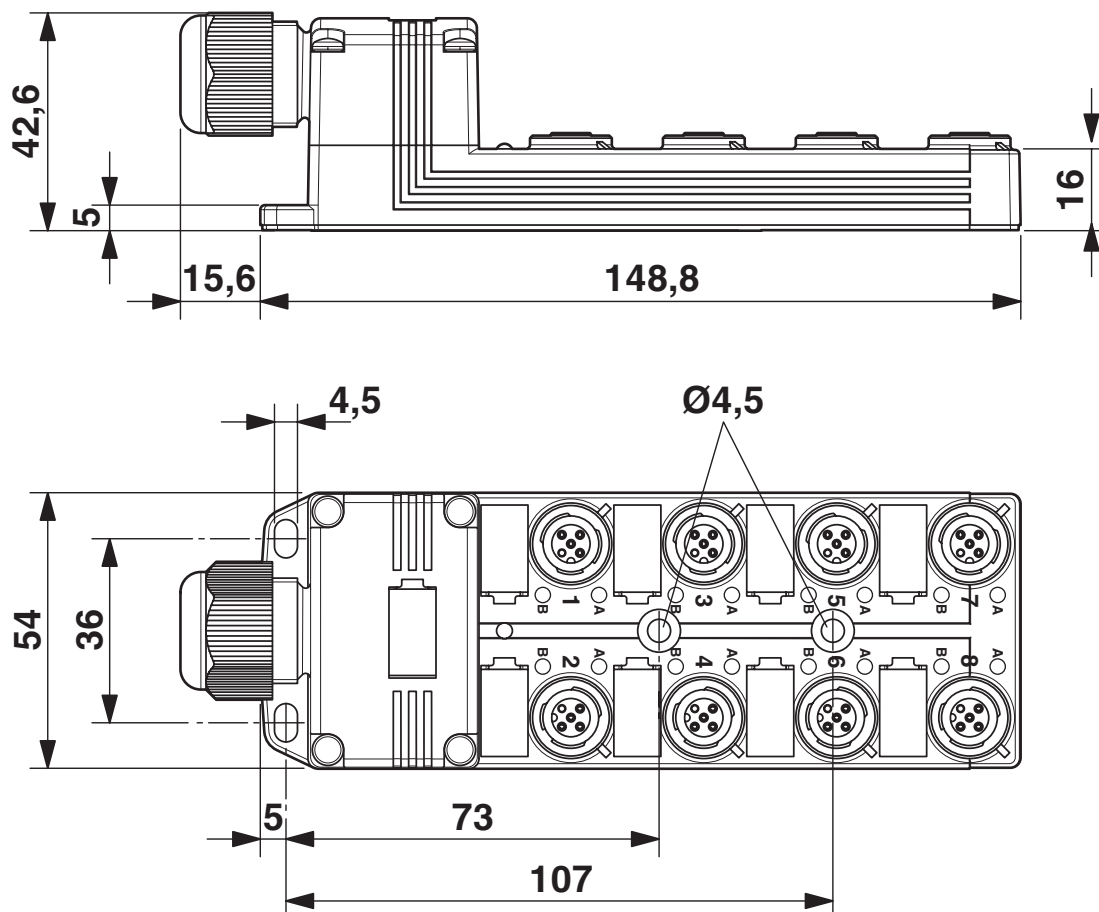


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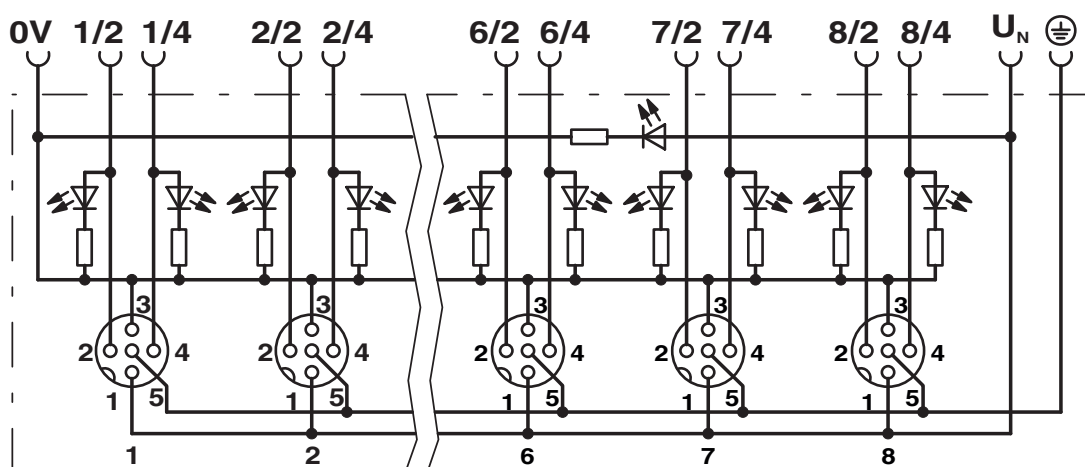
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Drawings

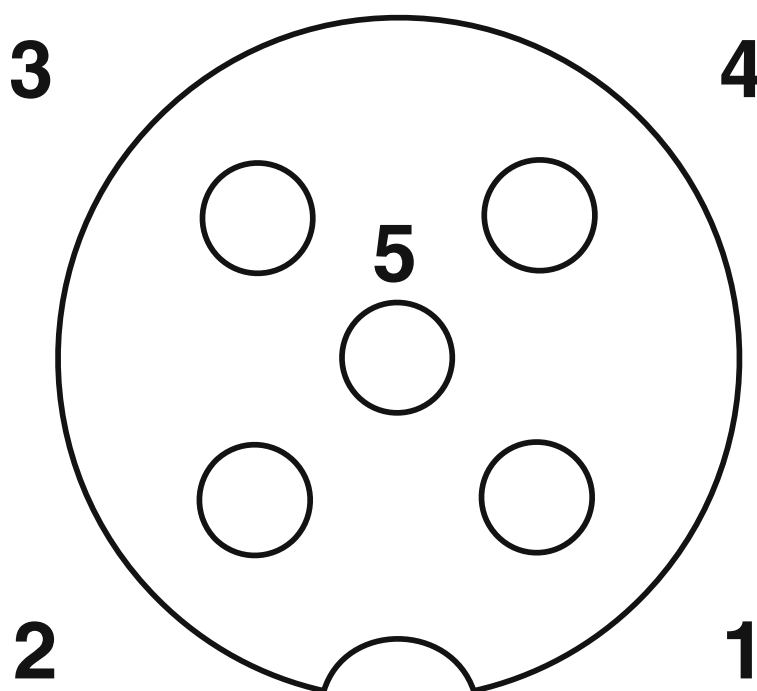
Dimensional drawing



Circuit diagram



Schematic diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/it/products/1453038>

cUL Recognized Approval ID: FILE E 118976				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	24 V	-	-	-

UL Recognized Approval ID: FILE E 118976				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
Signal	-	2 A	-	-
	24 V	4 A	-	-

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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