

SACB-8/16-L- 5,0PUR SCO P - Distributor box



1452725

<https://www.phoenixcontact.com/it/products/1452725>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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: Fixed connection 180°, PUR/PVC, cable length: 5 m, 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

Commercial data

Item number	1452725
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF3
Product key	BF3CBA
Catalog page	Page 262 (C-2-2019)
GTIN	4046356554008
Weight per piece (including packing)	1,231 g
Weight per piece (excluding packing)	1,130 g
Customs tariff number	85366990
Country of origin	DE

SACB-8/16-L- 5,0PUR SCO P - Distributor box



1452725

<https://www.phoenixcontact.com/it/products/1452725>

Technical data

Notes

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".

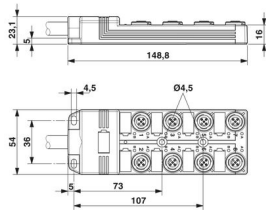
Product properties

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
Height	23 mm
Length	149 mm

Signaling

Status display present	Yes
------------------------	-----

Electrical properties

SACB-8/16-L- 5,0PUR SCO P - Distributor box



1452725

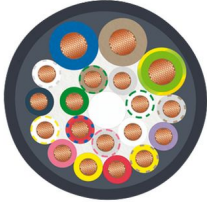
<https://www.phoenixcontact.com/it/products/1452725>

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

Cable length	5 m
--------------	-----

PUR/PVC black [PUR]

Dimensional drawing	
Cable weight	183.7 kg/km
UL AWM Style	20549 (80°C/300 V)
Number of positions	19
Shielded	no
Cable type	PUR/PVC black [PUR]
Conductor structure signal line	28x 0.15 mm
AWG signal line	20
Conductor cross section	16x 0.5 mm² (Signal line)
	3x 1 mm² (power line)
Wire diameter incl. insulation	1.5 mm ±0.1 mm (Signal line)
	2.1 mm ±0.1 mm (power line)
External cable diameter	10.50 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	black RAL 9005
Conductor material	Bare Cu litz wires
Material wire insulation	PVC
Single wire, color	brown, blue, green/yellow, white, green, yellow, gray, pink, red, black, violet, gray/pink, red/blue, white/green, brown/green, white/yellow, yellow/brown, white/gray, gray/brown
Inner sheath thickness	≥ 0.15 mm
Thickness, outer sheath	≥ 0.76 mm
Overall twist	Wires twisted in layers
Nominal voltage, cable	300 V
Test voltage	2000 V
Minimum bending radius, fixed installation	7.5 x D

SACB-8/16-L- 5,0PUR SCO P - Distributor box



1452725

<https://www.phoenixcontact.com/it/products/1452725>

Minimum bending radius, flexible installation	10 x D
Smallest bending radius, fixed installation	79 mm
Smallest bending radius, movable installation	105 mm
Max. bending cycles	1500000
Flame resistance	according to DIN EN 50265
Resistance to oil	according to VDE 0472 Part 803
Other resistance	Highly resistant to acids, alkaline solutions and solvents
Special properties	Silicone-free
Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation)
	-5 °C ... 80 °C (Cable, flexible installation)

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

SACB-8/16-L- 5,0PUR SCO P - Distributor box

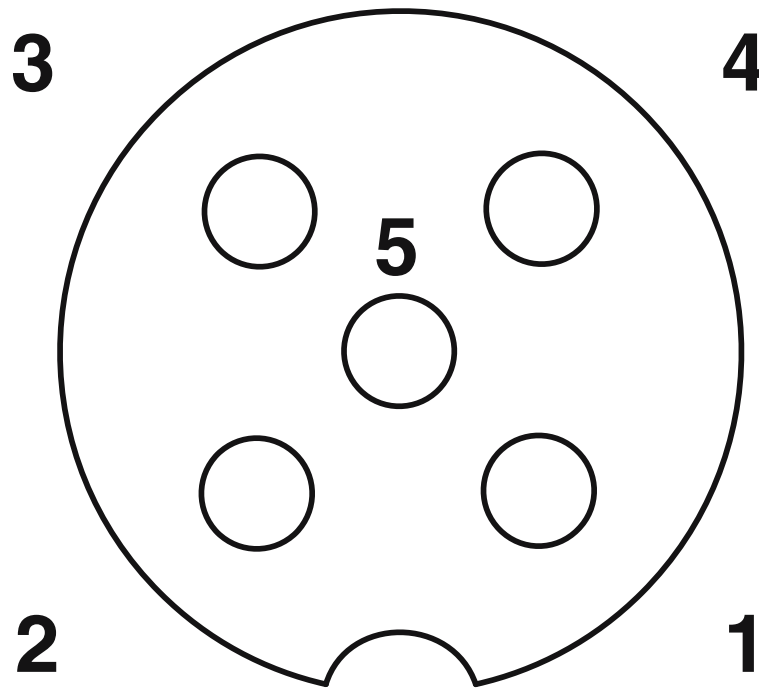


1452725

<https://www.phoenixcontact.com/it/products/1452725>

Drawings

Schematic diagram



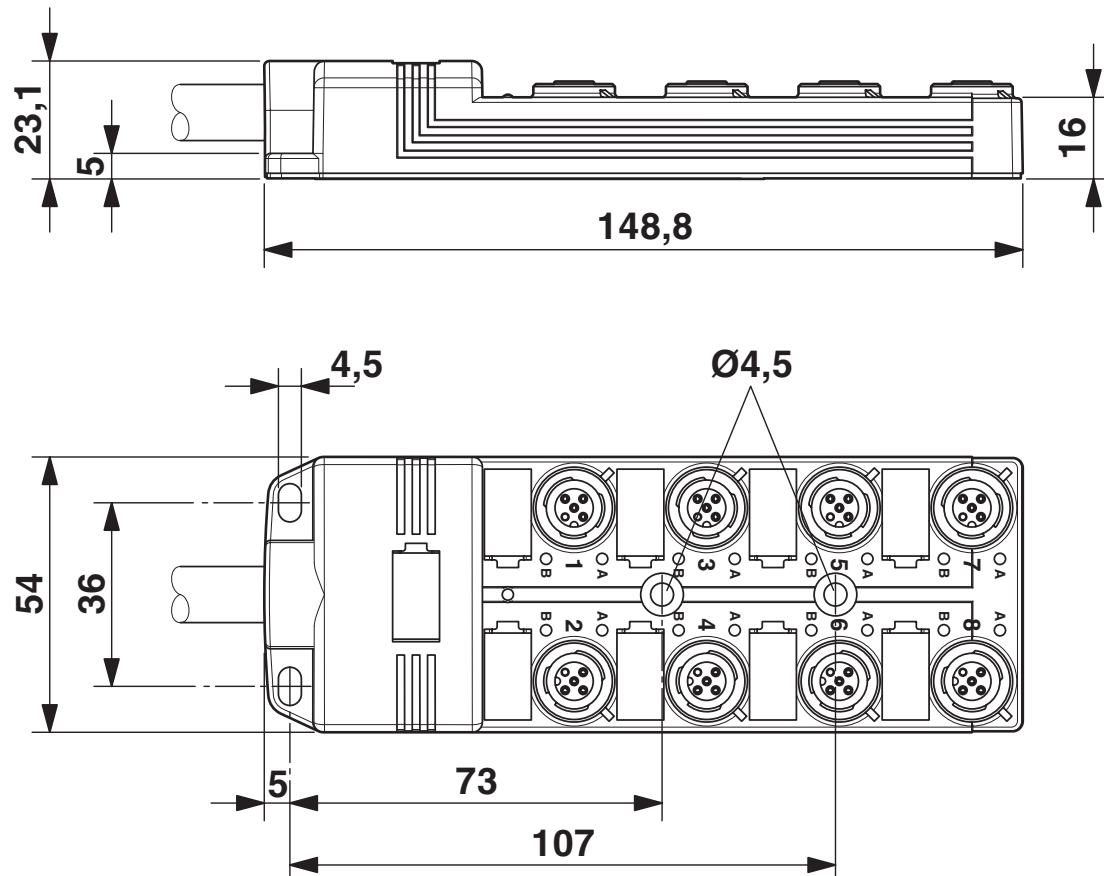
M12 slot, socket, 5-pos.

SACB-8/16-L- 5,0PUR SCO P - Distributor box

1452725

<https://www.phoenixcontact.com/it/products/1452725>

Dimensional drawing



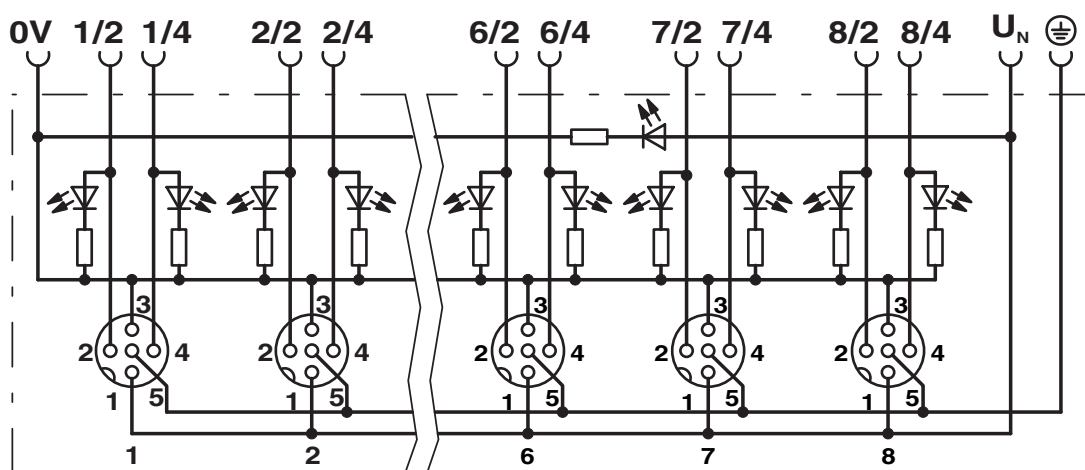
SACB-8/16-L- 5,0PUR SCO P - Distributor box



1452725

<https://www.phoenixcontact.com/it/products/1452725>

Circuit diagram



SACB-8/16-L- 5,0PUR SCO P - Distributor box



1452725

<https://www.phoenixcontact.com/it/products/1452725>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/it/products/1452725>

 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	-	-

 EAC Approval ID: RU C-DE.BL08.B.00511				
---	--	--	--	--

cULus Recognized				
-------------------------	--	--	--	--

SACB-8/16-L- 5,0PUR SCO P - Distributor box



1452725

<https://www.phoenixcontact.com/it/products/1452725>

Classifications

ECLASS

ECLASS-11.0	27440108
ECLASS-12.0	27440108
ECLASS-13.0	27440108

ETIM

ETIM 9.0	EC002585
----------	----------

UNSPSC

UNSPSC 21.0	31251500
-------------	----------

SACB-8/16-L- 5,0PUR SCO P - Distributor box



1452725

<https://www.phoenixcontact.com/lt/products/1452725>

Environmental product compliance

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

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact UAB
Svitrigailos str. 11B
03228 Vilnius
+370 5 2106321
balticinfo@phoenixcontact.com