

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



1452518

<https://www.phoenixcontact.com/it/products/1452518>

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: 4, coding: A, slot assignment: single, status display: No, Universal; 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
- Save time, thanks to installation with SPEEDCON fast locking system

Commercial data

Item number	1452518
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF3
Product key	BF3CBA
Catalog page	Page 262 (C-2-2019)
GTIN	4046356553865
Weight per piece (including packing)	800.7 g
Weight per piece (excluding packing)	748.5 g
Customs tariff number	85366990
Country of origin	DE

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



1452518

<https://www.phoenixcontact.com/it/products/1452518>

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".

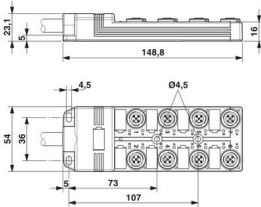
Product properties

Product type	Distributor boxes with M8 to M12 slots
Number of positions	4
Application	Standard
Number of slots	8
Coding	A
LED	No

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	No
------------------------	----

Electrical properties

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



1452518

<https://www.phoenixcontact.com/it/products/1452518>

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

Cable/line

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

PUR/PVC black [PUR]

Dimensional drawing	
Cable weight	107.4 kg/km
UL AWM Style	20549 (80°C/300 V)
Number of positions	11
Shielded	no
Cable type	PUR/PVC black [PUR]
Conductor structure signal line	19x 0.15 mm
AWG signal line	22
Conductor cross section	8x 0.34 mm² (Signal line)
	3x 0.75 mm² (power line)
Wire diameter incl. insulation	1.3 mm ±0.1 mm (Signal line)
	1.8 mm ±0.1 mm (power line)
External cable diameter	8.50 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
Inner sheath thickness	≥ 0.15 mm
Thickness, outer sheath	≥ 0.38 mm
Overall twist	Wires twisted in layers
Max. conductor resistance	≤ 53 Ω/km (Signal line)
	≤ 26 Ω/km (power line)
Insulation resistance	≥ 5 MΩ*km
Nominal voltage, cable	300 V AC
Test voltage Core/Core	2000 V (50 Hz, 5 min.)

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



1452518

<https://www.phoenixcontact.com/it/products/1452518>

Minimum bending radius, fixed installation	7.5 x D
Minimum bending radius, flexible installation	10 x D
Smallest bending radius, fixed installation	64 mm
Smallest bending radius, movable installation	85 mm
Max. bending cycles	1500000
Flame resistance	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

M12

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/ 8- 5,0PUR SCO P - Distributor box

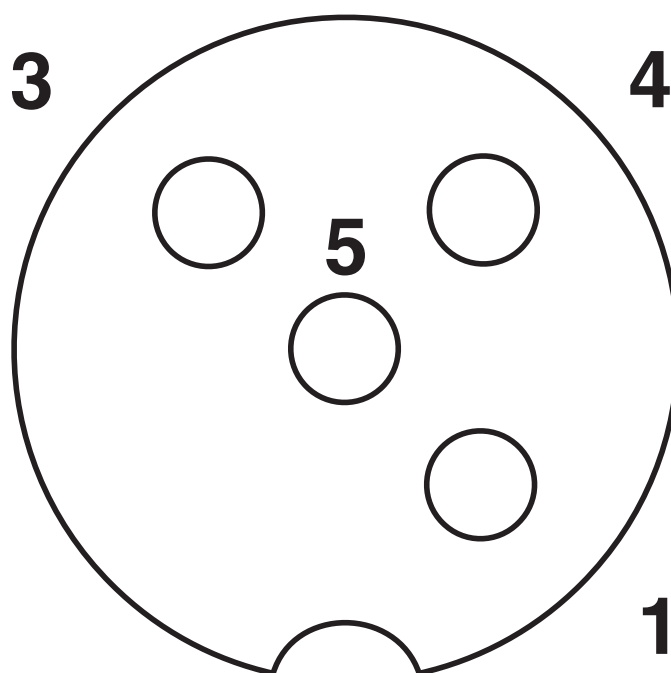
1452518

<https://www.phoenixcontact.com/it/products/1452518>



Drawings

Schematic diagram



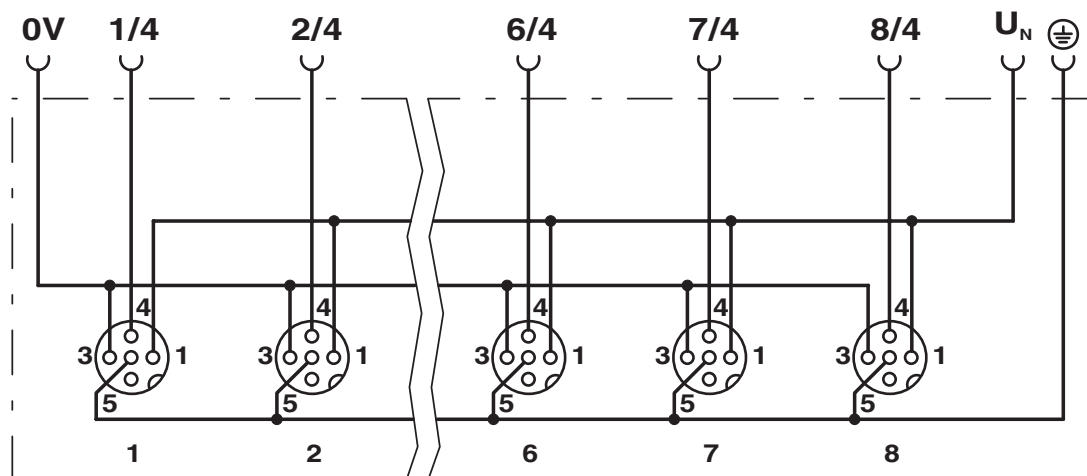
M12 slot, socket, 4-pos.

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

1452518

<https://www.phoenixcontact.com/it/products/1452518>

Circuit diagram

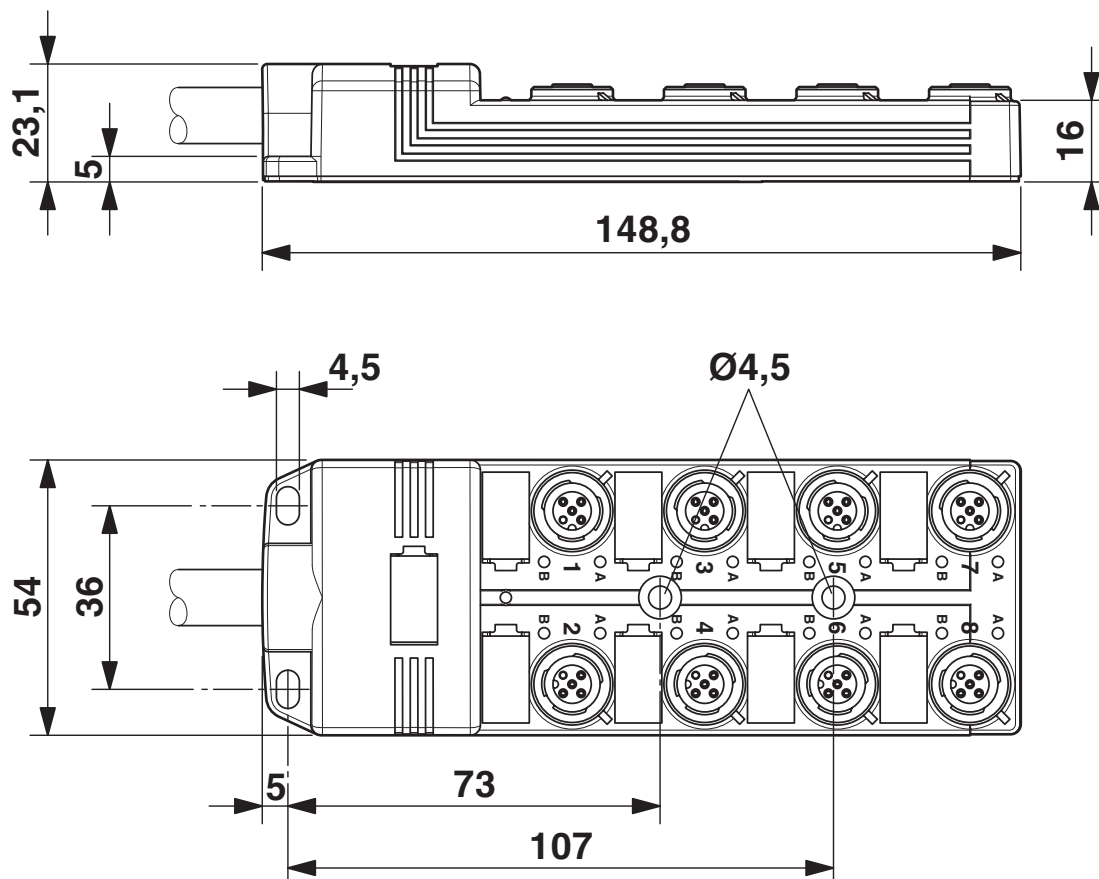


SACB-8/ 8- 5,0PUR SCO P - Distributor box

1452518

<https://www.phoenixcontact.com/it/products/1452518>

Dimensional drawing



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



1452518

<https://www.phoenixcontact.com/it/products/1452518>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/it/products/1452518>

 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				
--	--	--	--	--

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

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



1452518

<https://www.phoenixcontact.com/it/products/1452518>

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/ 8- 5,0PUR SCO P - Distributor box



1452518

<https://www.phoenixcontact.com/lt/products/1452518>

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