

SACB- 8/3- 5,0PUR-M8 - Distributor box



1551082

<https://www.phoenixcontact.com/us/products/1551082>

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Distributor box, connection method: M8 socket, number of slots: 8, number of positions: 3, coding: A, slot assignment: single, status display: no, Universal; master cable connection: Fixed connection 180°, PUR/PVC, cable length: 5 m, shielding: no

Commercial data

Item number	1551082
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF40
Product key	AF3BCA
GTIN	4046356152105
Weight per piece (including packing)	615.8 g
Weight per piece (excluding packing)	615.8 g
Customs tariff number	85444290
Country of origin	PL

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Technical data

Product properties

Product type	Distributor box
Number of positions	3
Number of slots	8
Coding	A
LED	no

Electrical properties

Nominal voltage U_N	48 V
	60 V DC
Rated current, total	6 A
Max. current carrying capacity per path	2 A
Current carrying capacity per slot	2 A

Connection data

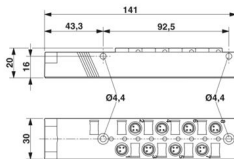
Conductor connection

Sensor/actuator connection system	M8 socket
Tightening torque slot sensor/actuator cable	0.2 Nm

Signaling

Status display present	no
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Dimensions

Dimensional drawing	
Width	30 mm
Height	22 mm
Length	141 mm

Material specifications

Material Threaded sleeve	Cu alloy
Material Housing	PBT
Material Molding compound	PUR
Flammability rating according to UL 94	V0
Seal material O-ring	NBR
Contact material	CuSn
Contact surface material	Ni/Au

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Contact carrier material	PA
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Cable/line

Cable length	5 m
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PUR/PVC black [PUR]

Dimensional drawing		
Cable weight	92 kg/km	
UL AWM Style	20549	
Number of positions	10	
Shielded	no	
Cable type	PUR/PVC black [PUR]	
Conductor structure signal line	19x 0.15 mm	
AWG signal line	22	
Conductor structure, voltage supply	42x 0.15 mm	
AWG power supply	18	
Conductor cross section	8x 0.34 mm ² (Signal line)	
	2x 0.75 mm ² (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	7.90 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, 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	
Nominal voltage, cable	300 V	
Test voltage	2000 V	
Minimum bending radius, fixed installation	7.5 x D	
Minimum bending radius, flexible installation	10 x D	
Smallest bending radius, fixed installation	60 mm	
Smallest bending radius, movable installation	79 mm	
Dynamic load capacity (bending)	Max. bending cycles: 1500000, Bending radius: 79 mm, Traversing path: 2 m, Traversing rate: 2 m/s	

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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)
	80 °C (in acc. with UL)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-30 °C ... 80 °C

Standards and regulations

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-104

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Drawings

Dimensional drawing

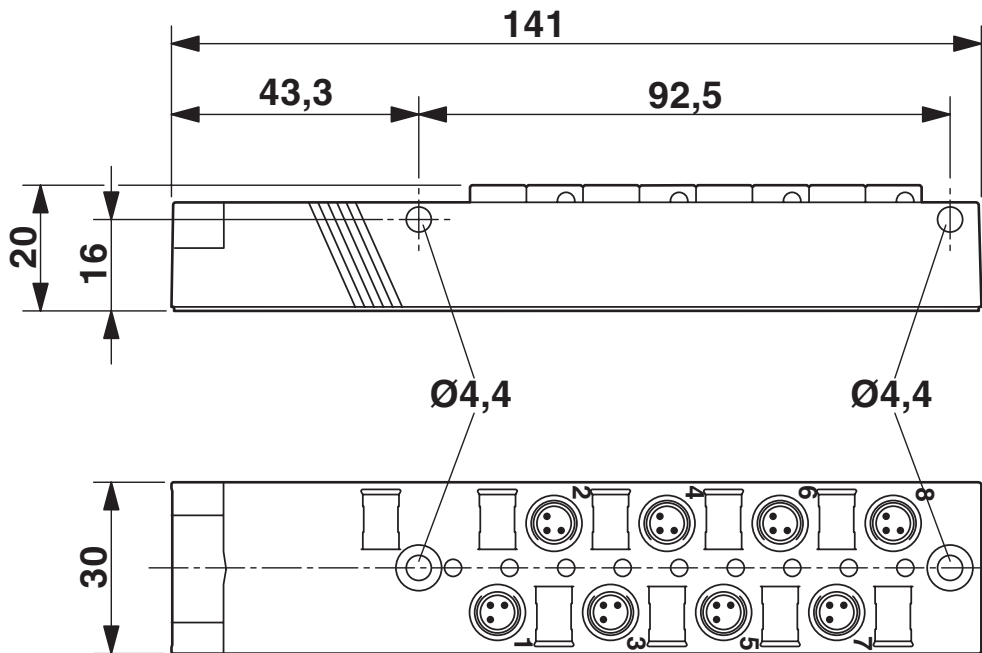


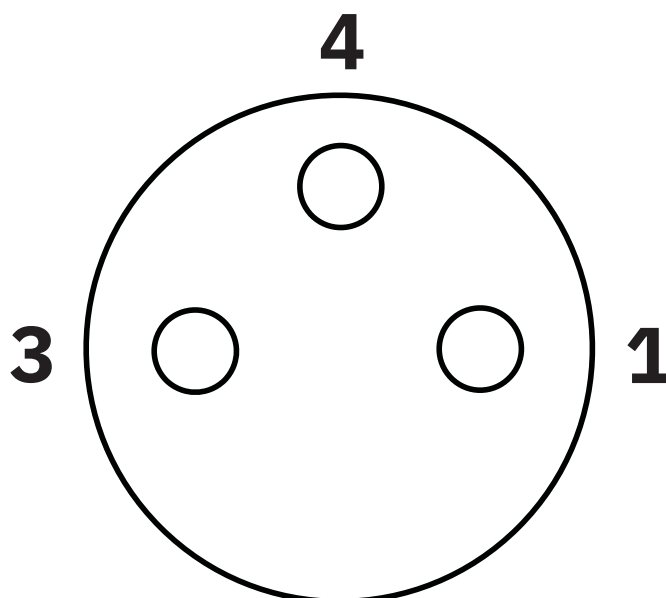
Figure shows version with diagnostic and status indicator

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1551082

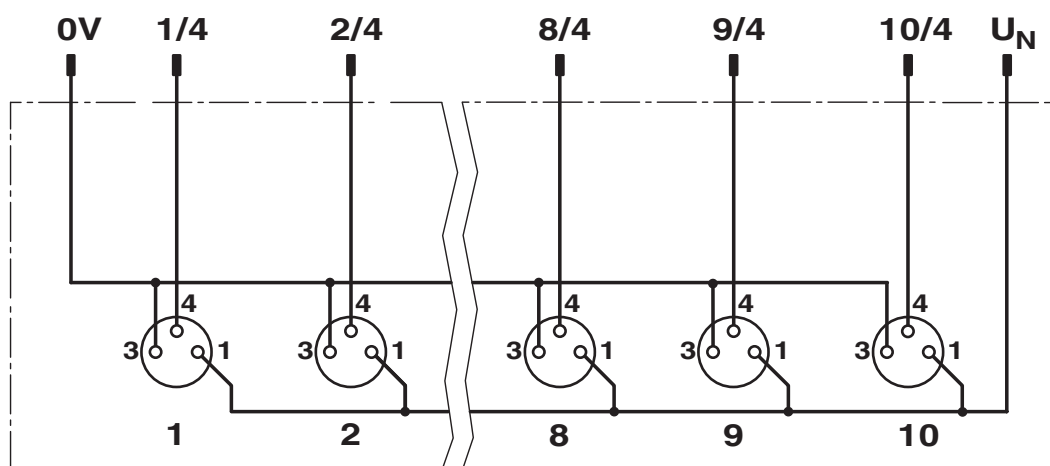
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Schematic diagram



M8 slot, socket, 3-pos.

Circuit diagram



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Classifications

ECLASS

ECLASS-13.0	27440108
ECLASS-15.0	27440108

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Environmental product compliance

China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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