

## Excellent Integrated System Limited

Stocking Distributor

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[1680885](#)

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Extract from the online catalog

## SACB-4/ 8- 5,0PUR


Order No.: 1680885

The illustration shows a version with 8 slots



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1680885>

Sensor/actuator box, M12 female connector, Number of slots: 4, Number of positions: 5, Slot assignment: Double, Status indication: No, Universal 180°, PUR/PVC, Cable length: 5 m, Shielding: No

Commercial data	
GTIN (EAN)	 4 017918 171162
sales group	D101
Pack	1 pcs.
Customs tariff	85366990
Catalog page information	Page 114 (PC-2009)

### Product notes

WEEE/RoHS-compliant since:  
11/13/2006



<http://www.download.phoenixcontact.com>  
 Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

## Technical data

General data	
Rated voltage	120 V
Max. operating voltage $U_{max}$	135 V
Current carrying capacity per I/O signal	2 A
Current carrying capacity per slot	4 A

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Total rated current	12 A
Number of positions	5
Number of slots	4
Degree of protection	IP65/IP67
Inflammability class acc. to UL 94	V0
Ambient temperature (operation)	-25 °C ... 75 °C
Sensor/actuator connection system	M12 female connector

**Master cable data**

Type of connection	Fixed connection
Length of cable	5 m
Cable type	Master cable suitable for flexible cable conduit
Signal line cross section	8x 0.5 mm <sup>2</sup>
AWG signal line	20
Conductor structure signal line	64x 0.10 mm
Power supply cross section	3x 1 mm <sup>2</sup>
AWG power supply	17
Conductor structure, voltage supply	128x 0.10 mm
External diameter	9.5 mm
Max. bending cycles	1500000
Bending radius	100 mm
Traversing path	2 m
Traversing rate	2 m/s
Ambient temperature (operation)	-40 °C ... 90 °C (for fixed installation) -5 °C ... 80 °C (for flexible installation)
Tightening torque slot sensor/actuator cable	0.4 Nm
Tightening torque screw plug	0.4 Nm

**Insulation material**

Housing material	PA
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA
Material, O-ring	NBR

**Pin assignment**

Slot/position = Wire color or connection	1 / 4 (A) = WH
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	1 / 2 (B) = GY/PK
	2 / 4 (A) = GN
	2 / 2 (B) = RD/BU
	3 / 4 (A) = YE
	3 / 2 (B) = WH/GN
	4 / 4 (A) = GY
	4 / 2 (B) = BN/GN
	1-4 / 1 (+ 120 V) = BN
	1-4 / 3 (0 V) = BU
	1-4 / 5 (PE) = GN/YE

**Certificates / Approvals**


Certification

CUL, GOST, UL

**Accessories**

Item	Designation	Description
<b>Marking</b>		
2809128	ZBN 18:UNBEDRUCKT	Unprinted marker labels, strips with 5 labels for individual labeling with M-PEN or CMS system, for terminal block width: 17.5 mm, color: White

**Protection and sealing elements**

1680539	PROT-M12	An M12 screw plug for the unoccupied M12 sockets of the sensor/ actuator cable, boxes and flush-type connectors
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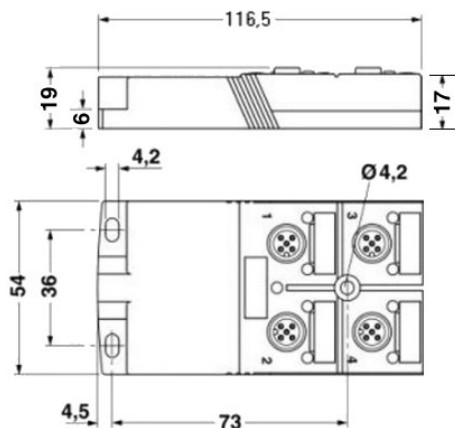
**Tools**

1208432	SAC BIT M12-D15	Nut for assembling sensor/actuator cables with M12 connector and for M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive
1208445	SACC BIT M12-D20	Nut for assembling SACC M12 connectors for free assembly, excluding M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive
1208429	TSD 04 SAC	Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

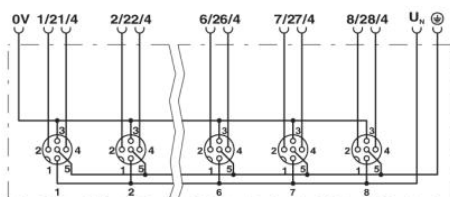
SACB-4/ 8- 5,0PUR Order No.: 1680885  
<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1680885>

**Diagrams/Drawings**

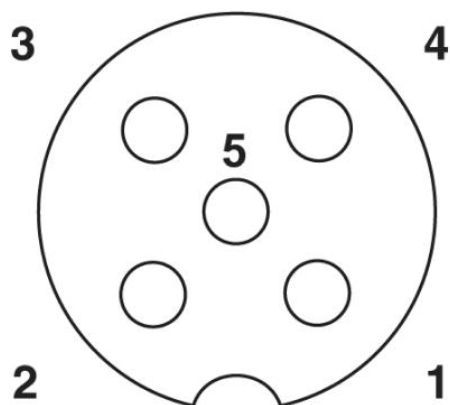
Dimensioned drawing



Circuit diagram



Schematic diagram



M12 slot, socket, 5-pos.

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