


# SACB-6/12-L-10,0HPUR

Order No.: 1695935

The illustration shows a version with 8 slots and connected master cable

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1695935>

Sensor/actuator box, M12 female connector, Number of slots: 6,  
Number of positions: 5, Slot assignment: Double, Status indication:  
Yes, pnp 180°, PUR halogen free, Cable length: 10 m, Shielding: No

Commercial data	
GTIN (EAN)	 4 017918 617899
Note	Made-to-order
sales group	D101
Pack	1 pcs.
Customs tariff	85366990
Catalog page information	Page 29 (PC-2002)

**Product notes**WEEE/RoHS-compliant since:  
02/09/2006

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Technical data	
<b>General data</b>	
Rated voltage	24 V DC
Max. operating voltage $U_{max}$	30 V DC
Current carrying capacity per I/O signal	2 A
Current carrying capacity per slot	4 A

Total rated current	12 A
Number of positions	5
Number of slots	6
Degree of protection	IP65/67
Inflammability class acc. to UL 94	V0
Ambient temperature (operation)	-25 °C ... 75 °C
Sensor/actuator connection system	M12 female connector

#### Local diagnostics function

Local diagnostics	Supply voltage Green LED
	Status display I/O Yellow LED

#### Master cable data

Type of connection	Fixed connection
Length of cable	10 m
Cable type	Master cable suitable for flexible cable conduit
Signal line cross section	12x 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	10.5 mm
Max. bending cycles	1500000
Bending radius	110 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
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**Certificates / Approvals**



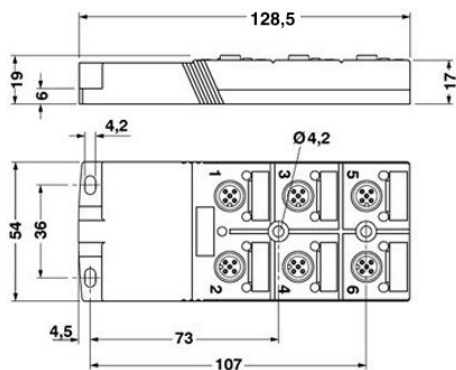
Certification CUL, GOST, UL

**Accessories**

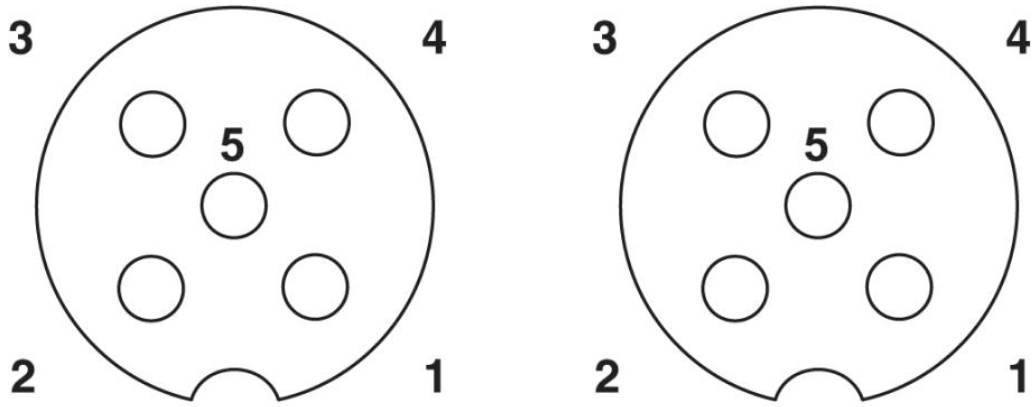
Item	Designation	Description
<b>Protection and sealing elements</b>		
1680539	PROT-M12	An M12 screw plug for the unoccupied M12 sockets of the sensor/ actuator cable, boxes and flush-type connectors

**Diagrams/Drawings**

Dimensioned drawing

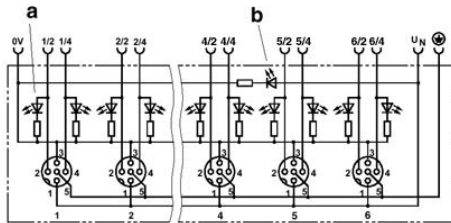


Schematic diagram



Pin assignment, female connector M 12  
(female side)

a = yellow  
b = green



**Address**

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