


SACB-8/ 8-L- 5,0PUR SCO P

Order No.: 1452699

<http://eshop.phoenixcontact.net/phoenix/treeViewClick.do?UID=1452699>

Sensor/actuator box, Connection method: M12-SPEEDCON-socket
Plastic, Number of slots: 8, Number of positions: 4, Slot assignment:
Single, Status indication: Yes, pnp; Master cable connection: Fixed
connection 180°, PUR/PVC, Cable length: 5 m, Shielding: No



Commercial data	
EAN	 4 046356 553988
Pack	1 pcs.
Customs tariff	85366990
Catalog page information	Page 180 (PC-2011)

Product notes

WEEE/RoHS-compliant since:
12/14/2009

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Technical data	
General data	
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	4
Number of slots	8
Degree of protection	IP65/67
Ambient temperature (operation)	-25 °C ... 80 °C
Sensor/actuator connection system	M12-SPEEDCON-socket

Local diagnostics function

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

Master cable connection data

Connection method	Fixed connection
Length of cable	5 m
Tightening torque slot sensor/actuator cable	0.4 Nm
Tightening torque screw plug	0.4 Nm

Insulation material

Housing material	PBT
Material of the moulding mass	PUR
Contact material	Cu alloy
Contact surface material	Gold-plated
Contact carrier material	PA
Material of threaded sleeve	PBT
Material, O-ring	NBR

Pin assignment

Slot/position = Wire color or connection	1 / 4 (A) = WH
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	2 / 4 (A) = GN
	3 / 4 (A) = YE
	4 / 4 (A) = GY
	5 / 4 (A) = PK
	6 / 4 (A) = RD
	7 / 4 (A) = BK
	8 / 4 (A) = VT
	1-4 / 1 (+ 24 V) = BN
	1-8 / 3 (0 V) = BU
	1-8 / 5 (PE) = GN/YE

Conductor data

Cable type	PUR/PVC black
Cable type (abbreviation)	PUR
Cable abbreviation	LiYY11Y-HF
UL AWM Style	20549
Conductor cross section	8x 0.34 mm ² (signal line) 3x 0.75 mm ² (power line)
AWG signal line	22
AWG power supply	18
Conductor structure signal line	19x 0.15 mm
Conductor structure, voltage supply	42x 0.15 mm
Core diameter including insulation	1.3 mm ±0.1 mm (signal line) 1.8 mm ±0.1 mm (power line)
Thickness, insulation	≥ 0.15 mm (Inner sheath) ≥ 0.38 mm (Outer cable sheath)
External cable diameter	8.5 mm ± 0.2 mm
External sheath, color	Black RAL 9005
Nominal voltage, conductor	300 V
Test voltage, conductor	2000 V
Overall twist	Wires twisted in layers
Outer sheath, material	PUR
Material, inner sheath	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Number of bending cycles	1500000

Bending radius	85 mm
Traversing path	2 m
Traversing rate	2 m/s
Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation) -5 °C ... 80 °C (cable, flexible installation)
Special properties	Silicone-free
Flame resistance	DIN EN 50265
Resistance to oil	As per VDE 0472 Part 803
Other resistance	Highly resistant to acids, alkaline solutions and solvents

Certificates / Approvals

Certification	GOST
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Accessories

Item	Designation	Description
General		
0824468	SS-ZB 17,5 WH CUS	Contactora marker – zack marker strip, Strip, white, Labeled according to customer specifications, Mounting type: Snap into flat marker groove, Lettering field: 17.5 x 8 mm
0804976	SS-ZB 17,5 YE	Contactora marker – zack marker strip, Strip, yellow, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into flat marker groove, Lettering field: 17.5 x 8 mm
0824469	SS-ZB 17,5 YE CUS	Contactora marker – zack marker strip, Strip, yellow, Labeled according to customer specifications, Mounting type: Snap into flat marker groove, Lettering field: 17.5 x 8 mm

Marking

0804963	SS-ZB 17,5 WH	Contactora marker – zack marker strip, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into flat marker groove, Lettering field: 17.5 x 8 mm
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Protection and sealing elements

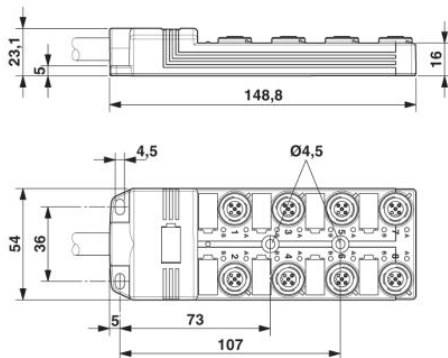
1553129	PROT-MS SCO	M12 screw plug with SPEEDCON quick locking for unoccupied M12 sockets of the sensor/actuator cables, boxes and flush-type connectors
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Tools

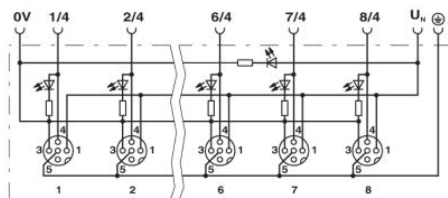
1208432	SAC BIT M12-D15	Nut for assembling sensor/actuator cables with M12 connector and for M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive
1208445	SACC BIT M12-D20	Nut for assembling SACC M12 connectors for free assembly, excluding M12 connectors with QUICKON fast connection 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

Diagrams/Drawings

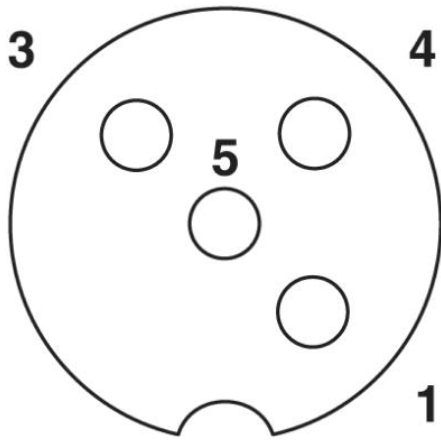
Dimensioned drawing



Circuit diagram



Schematic diagram



M12 slot, socket, 4-pos.



PUR/PVC black [PUR]

Connection data incl. use groups



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