Extract from the online catalog

SACB-4/ 8-C SCO

Order No.: 1516852



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Sensor/actuator box, M12-SPEEDCON-socket, Number of slots: 4, Number of positions: 5, Slot assignment: Double, Status indication: No, Universal 180°, Shielding: No

Product notes

WEEE/RoHS-compliant since: 01/01/2008

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Commercial data

GTIN (EAN)	4 017918 967581
sales group	D100
Pack	1 pcs.
Customs tariff	85366990
Catalog page information	Page 116 (PC-2009)

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

Total rated current	10 A
	2x 8 A (For electrical isolation)
Number of positions	5
Number of slots	4
Degree of protection	IP65/IP67/IP69K
Inflammability class acc. to UL 94	V0
Ambient temperature (operation)	-30 °C ... 80 °C
Sensor/actuator connection system	M12-SPEEDCON-socket

Master cable data

Type of connection	Pluggable screw connection
Conductor cross-section min. (signal)	0.14 mm²
Conductor cross-section max. (signal)	1.5 mm²
Conductor cross-section AWG min. (signal)	26
Conductor cross-section AWG max. (signal)	16
Conductor cross-section min. (energy)	0.14 mm²
Conductor cross-section max. (energy)	1.5 mm²
Conductor cross-section AWG min. (energy)	26
Conductor cross-section AWG max. (energy)	16
External cable diameter min.	7 mm
External cable diameter max.	12 mm
Stripping length	7 mm
Tightening torque, cover screw	0.35 Nm
Tightening torque, union nut	2.5 Nm
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 contact, master cable side	CU alloy
Material of contact surface, master cable side	Gold-plated
Material of the contact carrier on the master cable side	PA 66 V0

Material of threaded sleeve	Zinc die-cast
Material of threaded sleeve surface	Nickel-plated
Material, O-ring	NBR

Pin assignment

Slot/position = Wire color or connection	1 / 4 (A) = 1 / 4
	1 / 2 (B) = 1 / 2
	2 / 4 (A) = 2 / 4
	2 / 2 (B) = 2 / 2
	3 / 4 (A) = 3 / 4
	3 / 2 (B) = 3 / 2
	4 / 4 (A) = 4 / 4
	4 / 2 (B) = 4 / 2
	1-4 / 1 (+ 120 V) = U_N
	1-4 / 3 (0 V) = 0 V
	1-4 / 5 (PE) = PE

Certificates / Approvals

Certification CUL, UL

Accessories

Item	Designation	Description
Connector hood		
1516713	SACB-C-H180 8/16 SCO	Connector hood with an integrated connector, for M12 sensor/ actuator boxes with metal thread and pluggable screw connection, for 4, 6 or 8 slots
General		
1503357	SACB- 8X0,5/ 3X1,0-50,0 PUR	Master cable for sensor/actuator boxes, with PE conductor, unshielded, material PUR/PVC, 11-pos., 8 x 0.50 mm² and 3 x 1.00 mm², length: 50 m

Marking

0804963	SS-ZB 17,5 WH	Contactor marker Zack strip, unprinted: 5-section, for snapping into equipment and components with special marker carrier, can be labeled with M-PEN, CMS system or label BMKT 17.5 x 8, lettering field: 17.5 x 8 mm, color: white

Protection and sealing elements

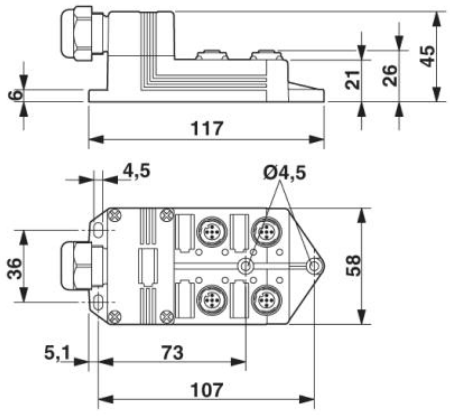
1553129	PROT-MS SCO	M12 screw plug with SPEEDCON quick locking for unoccupied M12 sockets of the sensor/actuator cables, boxes and flush-type connectors

Tools

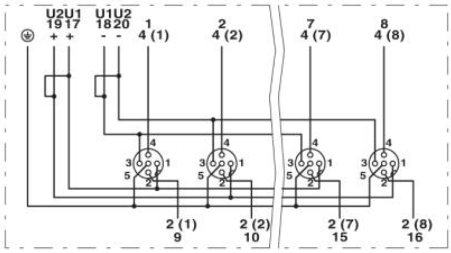
1208432	SAC BIT M12-D15	Nut for assembling sensor/actuator cables with M12 connector and for M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive
1208445	SACC BIT M12-D20	Nut for assembling SACC M12 connectors for free assembly, excluding M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive
1206450	SZK PZ1 VDE	Screwdriver, PZ crosshead, VDE insulated, size: PZ 1 x 80 mm, 2-component grip, with non-slip grip
1208429	TSD 04 SAC	Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

Diagrams/Drawings

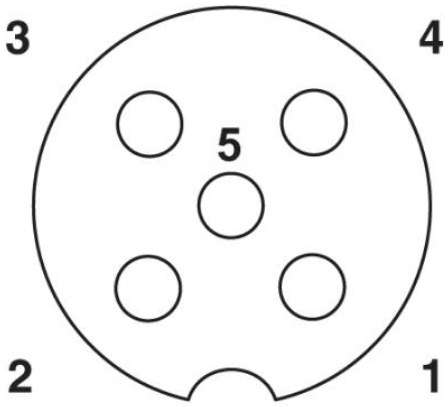
Dimensioned drawing



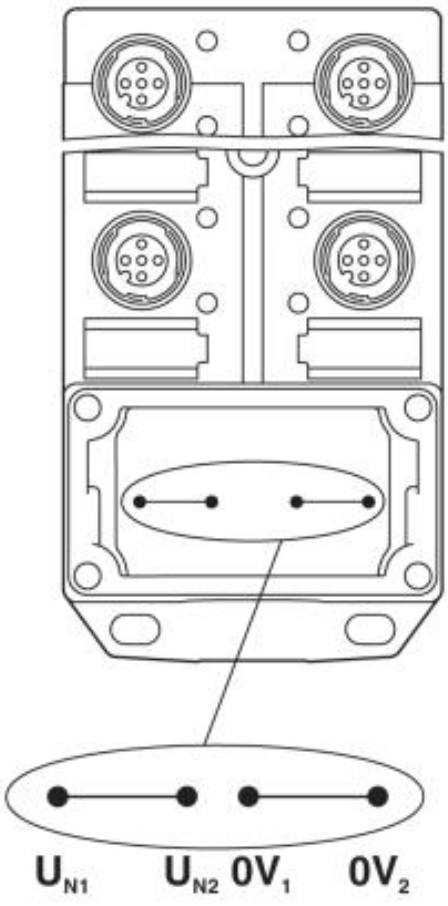
Circuit diagram



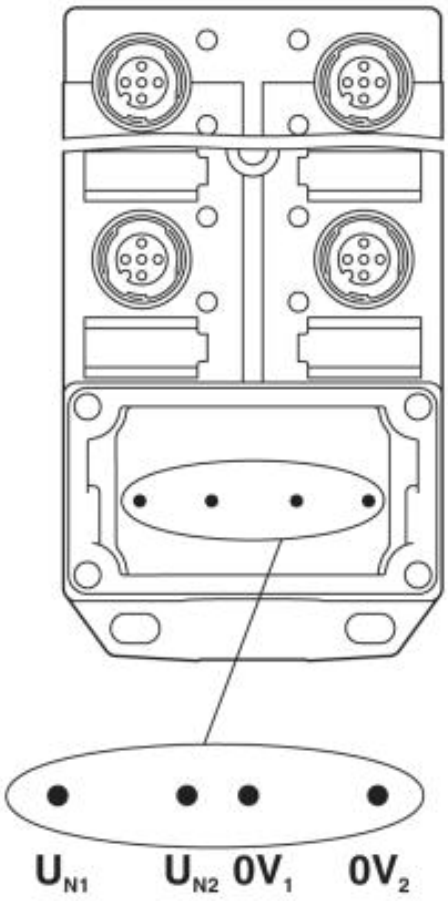
Schematic diagram



M12 slot, socket, 5-pos.



Potential U_{N1} and U_{N2} bridged



Electrically isolated

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