



Extract from the online
catalog

SACB-4/ 8-C

Order No.: 1692860

The illustration shows a version with 8 slots



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Sensor/actuator box, M12 female connector, 4 Slots, 5-position, Status indication: No, Universal 180°, Shielding: No

Commercial data	
GTIN (EAN)	4017918178055
sales group	D100
Pack	1 pcs.
Customs tariff	85366990
Weight/Piece	0.1561 KG
Catalog page information	Page 115 (PC-2009)

Product notes

WEEE/RoHS-compliant since:
02/07/2006



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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	10 A
	2x 8 A (For electrical isolation)
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	Pluggable screw connection
Conductor cross-section min. (signal)	0.14 mm ²
Conductor cross-section max. (signal)	1.5 mm ²
Conductor cross-section AWG min. (signal)	26
Conductor cross-section AWG max. (signal)	16
Conductor cross-section min. (energy)	0.14 mm ²
Conductor cross-section max. (energy)	1.5 mm ²
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, 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	PA
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA
Material of contact, master cable side	CU alloy
Material of contact surface, master cable side	Sn
Material of the contact carrier on the master cable side	PA 66 V0
Material, O-ring	NBR

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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 (+ 24 V) = U _N
	1-4 / 3 (0 V) = 0 V
	1-4 / 5 (PE) = PE

Certificates / Approvals



Certification

CUL, GOST, UL

CUL

Nominal voltage U _N	120 V
AWG/kcmil	22-16

UL

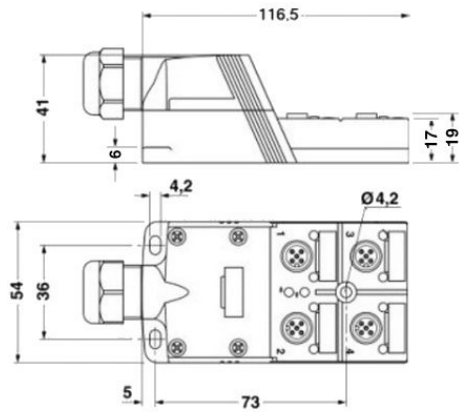
Nominal voltage U _N	120 V
AWG/kcmil	22-16

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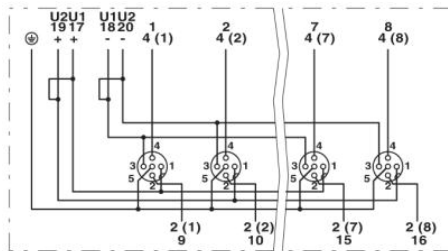
<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1692860>

Diagrams/Drawings

Dimensioned drawing



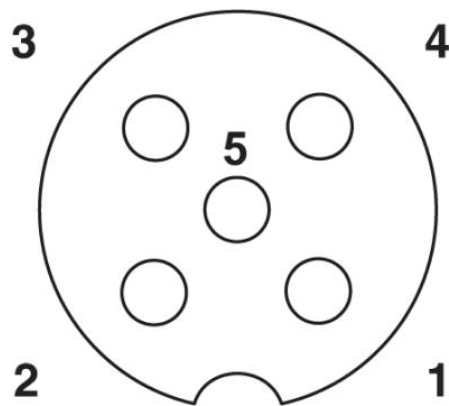
Circuit diagram



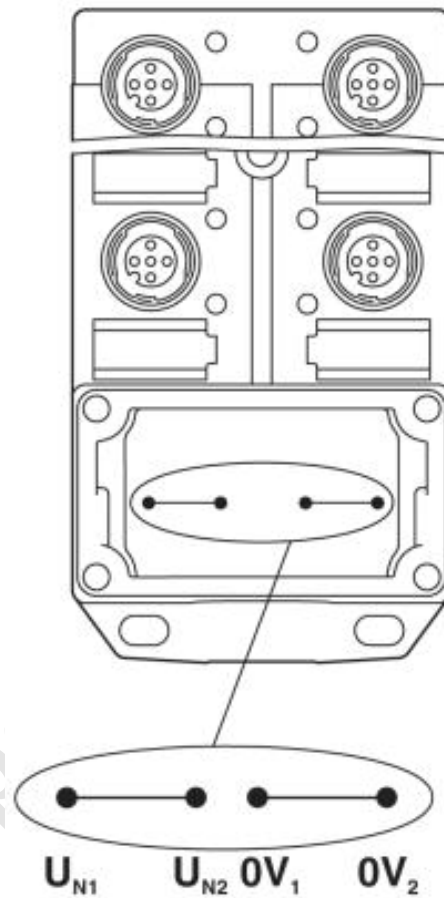
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Schematic diagram



M12 slot, socket, 5-pos.

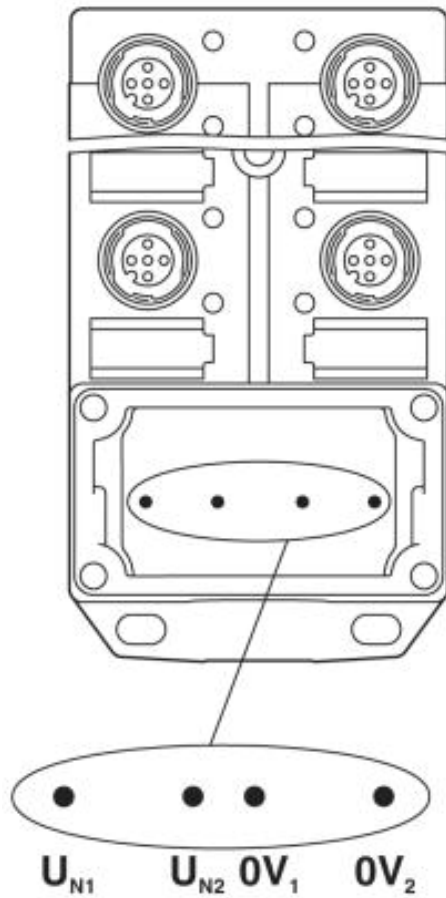


Potential U_{N1} and U_{N2} bridged

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Electrically isolated



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