

Sensor/actuator box - SACB-4/ 8-L-SC - 1680568

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Sensor/actuator box, Connection method: M12 socket Plastic, Number of slots: 4, Number of positions: 5, Slot assignment: Double, Status indication: Yes, pnp; Master cable connection: Spring-cage connection 180°, Shielding: No

Product Features

- ✓ Safety in the field, thanks to robust housing and high degree of protection
- ✓ Flexible, distributed bundling of signals in one master cable
- ✓ Convenient: increased machine availability thanks to quick and easy diagnostics
- ✓ Save space: distributor box with double occupancy for two sensors in one slot
- ✓ Flexible: distributor box with connector hood for on-site assembly



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	103.7 GRM
Custom tariff number	85444290
Country of origin	Poland

Technical data

General

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	4
Inflammability class according to UL 94	V0
Sensor/actuator connection system	M12 socket

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Technical data

Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C ... 75 °C

Local diagnostics function

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

Master cable data/connection data

Connection method	Spring-cage connection
Conductor cross section min. (signal)	0.14 mm ²
Conductor cross section max. (signal)	1 mm ²
Conductor cross section AWG min. (signal)	26
Conductor cross section AWG max. (signal)	17
Stripping length (signal)	10 mm
Conductor cross section min. (energy)	0.2 mm ²
Conductor cross section max. (energy)	1.5 mm ²
Conductor cross section AWG min. (energy)	24
Conductor cross section AWG max. (energy)	16
External cable diameter min.	6.5 mm
External cable diameter max.	9.5 mm
Tightening torque, union nut	2.5 Nm
Tightening torque slot sensor/actuator cable	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	CuZn
Material of contact surface, master cable side	NiSn
Material of the contact carrier on the master cable side	PA 66 V0
Material of threaded sleeve	PA
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

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Technical data

Pin assignment

	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

Classifications

eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 7.0	27449001

ETIM

ETIM 2.0	EC000200
ETIM 3.0	EC001856
ETIM 4.0	EC002585
ETIM 5.0	EC002585

UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	31261501

Approvals

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UL Recognized / cUL Recognized / GOST / cULus Recognized

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Approvals

Ex Approvals

Approvals submitted

Approval details

UL Recognized 	
mm²/AWG/kcmil	22-16
Nominal voltage UN	24 V

cUL Recognized 	
mm²/AWG/kcmil	22-16
Nominal voltage UN	24 V

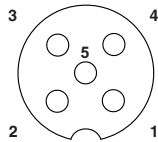
GOST 	
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cULus Recognized 	
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Drawings

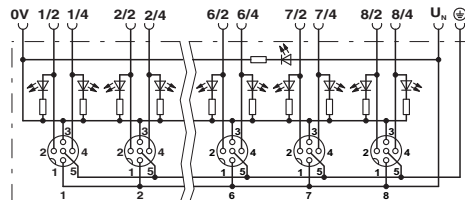
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Schematic diagram



M12 slot, socket, 5-pos.

Circuit diagram



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Dimensioned drawing

