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Sensor/actuator box - SACB-8/8-L-PUR SCO FLK14/MCV3P - 1547928

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Sensor/actuator box, Application: Standard, Connection method: M12-SPEEDCON-socket Metal, Number of slots: 8, Number of positions: 4, Coding: A - standard, Slot assignment: single, Status indication: Yes, pnp; Master cable connection: Rear FLK pin strip and MINI COMBICON 270°, Shielding: No



The figure shows the top and bottom side of the article

Why buy this product

- Safety in the field, thanks to molded 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 time, thanks to installation with SPEEDCON fast locking system
- Easy PLC system cabling, thanks to master connection on the back



Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 135528

Technical data

General

Rated voltage	24 V DC
Max. operating voltage U_{max}	30 V DC
Current carrying capacity per I/O signal	0.5 A (1 A to 40°C)
Current carrying capacity per slot	0.5 A (1 A to 40°C)
Total rated current	4 A
	8 A (up to 40 °C)
Number of positions	4
Number of slots	8
Sensor/actuator connection system	M12-SPEEDCON-socket

Ambient conditions

Degree of protection	IP54 (with sealed mounting holes)
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Technical data

Ambient conditions

Ambient temperature (operation)	-30 °C ... 80 °C
Ambient temperature (storage/transport)	-30 °C ... 90 °C

Local diagnostics function

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

Master cable data/connection data

Connection method	Rear FLK pin strip and MINI COMBICON
Stripping length (signal)	9 mm
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
Tightening torque slot sensor/actuator cable	0.4 Nm
Tightening torque of mounting screw for fixing the housing	0.5 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	tin-plated
Material of the contact carrier on the master cable side	PA
Material of threaded sleeve	Zinc die-cast
Material of threaded sleeve surface	Nickel-plated
O-ring material	NBR
Sealing material	CR (flat gasket on the back)

Pin assignment

Slot/position = Wire color or connection	1 / 4 (A) = 1
	2 / 4 (A) = 2
	3 / 4 (A) = 3
	4 / 4 (A) = 4
	5 / 4 (A) = 5
	6 / 4 (A) = 6
	7 / 4 (A) = 7
	8 / 4 (A) = 8
	1-8 / 1 (+ 24 V) = 9
	1-8 / 1 (+ 24 V) = 11
	1-8 / 1 (+ 24 V) = 13

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Technical data

Pin assignment

	1-8 / 3 (0 V) = 10
	1-8 / 3 (0 V) = 12
	1-8 / 3 (0 V) = 14

Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101

Classifications

eCl@ss

eCl@ss 4.0	27250313
eCl@ss 4.1	27250313
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
eCl@ss 8.0	27279219

ETIM

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

Approvals

Approvals

EAC

Ex Approvals

Sensor/actuator box - SACB-8/8-L-PUR SCO FLK14/MCV3P - 1547928

Approvals

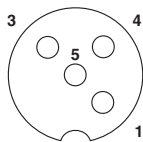
Approvals submitted

Approval details

EAC

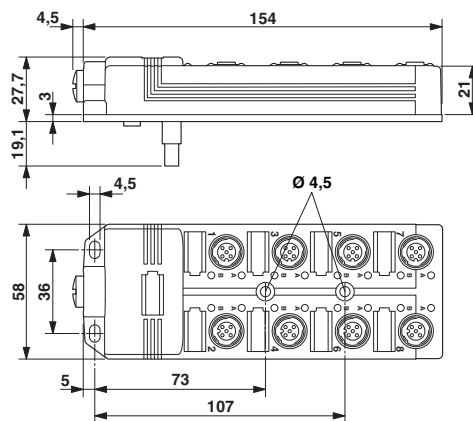
Drawings

Schematic diagram

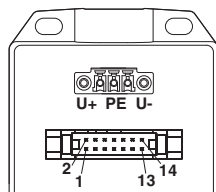


Pin assignment for M12 socket, 4-pos.

Dimensional drawing

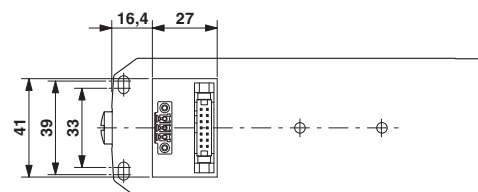


Connection diagram

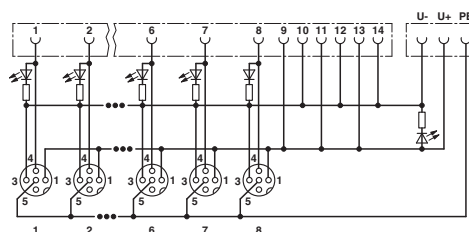


FLK Connection	M12 Slots/pos.
1	1 / 4
2	2 / 4
3	3 / 4
4	4 / 4
5	5 / 4
6	6 / 4
7	7 / 4
8	8 / 4
9	1-8 / 1 (+24V)
11	1-8 / 1 (+24V)
13	1-8 / 1 (+24V)
10	1-8 / 3 (0V)
12	1-8 / 3 (0V)
14	1-8 / 3 (0V)

Dimensional drawing



Circuit diagram



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