

Sensor/actuator box - SACB-8/ 8-L-M23 - 1692446

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Sensor/actuator box, Application: Standard, Connection method: M12 socket Plastic, Number of slots: 8, Number of positions: 4, Coding: A - standard, Slot assignment: single, Status indication: Yes, pnp; Master cable connection: M23 plug connection 90°, Shielding: No

Product Features

- 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



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	137.2 g
Custom tariff number	85366990
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	4
Number of slots	8
Flammability rating according to UL 94	V0
Sensor/actuator connection system	M12 socket

Ambient conditions

Degree of protection	IP65
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Technical data

Ambient conditions

	IP67
Ambient temperature (operation)	-20 °C ... 75 °C

Local diagnostics function

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

Master cable data/connection data

Connection method	M23 plug connection
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	CU alloy
Material of contact surface, master cable side	Gold-plated
Material of threaded sleeve	PA
O-ring material	NBR

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
	1-4 / 1 (+ 24 V) = 11
	1-4 / 3 (0 V) = 9+10
	1-4 / 5 (PE) = 12

Standards and Regulations

Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

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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
eCl@ss 8.0	27279219

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

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

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Approvals

UL Recognized	
mm ² /AWG/kcmil	22-16
Nominal voltage UN	24 V

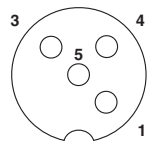
cUL Recognized	
mm ² /AWG/kcmil	22-16
Nominal voltage UN	24 V

EAC

cULus Recognized

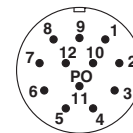
Drawings

Schematic diagram



M12 slot, socket, 4-pos.

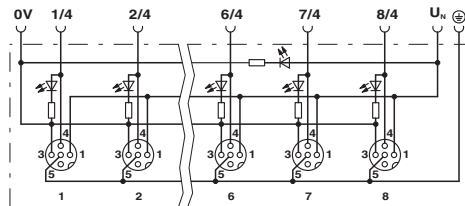
Schematic diagram



M23 plug connection pin, 12-pos.

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Circuit diagram



Dimensional drawing

