

## Sensor/actuator box - SACB-6/12-L-M23 - 1692433

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Sensor/actuator box, Application: Standard, Connection method: M12 socket Plastic, Number of slots: 6, Number of positions: 5, Coding: A - standard, Slot assignment: Double, Status indication: Yes, pnp; Master cable connection: M23 plug connection 90°, Shielding: No

The illustration shows a version with 8 slots

### 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 space: distributor box with double occupancy for two sensors in one slot



### Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	123.900 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	5
Number of slots	6
Flammability rating according to UL 94	V0

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## Technical data

### General

Sensor/actuator connection system	M12 socket
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### Ambient conditions

Degree of protection	IP65
	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 the contact carrier on the master cable side	PA
Material of threaded sleeve	PA
O-ring material	NBR

### Pin assignment

Slot/position = Wire color or connection	1 / 4 (A) = 15
	1 / 2 (B) = 7
	2 / 4 (A) = 5
	2 / 2 (B) = 4
	3 / 4 (A) = 16
	3 / 2 (B) = 8
	4 / 4 (A) = 3
	4 / 2 (B) = 14
	5 / 4 (A) = 17
	5 / 2 (B) = 9
	6 / 4 (A) = 2
	6 / 2 (B) = 13
	1-6 / 1 (+ 24 V) = 19

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## Technical data

### Pin assignment

	1-6 / 3 (0 V) = 6
	1-6 / 5 (PE) = 12

### Standards and Regulations

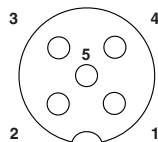
Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

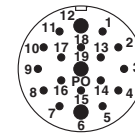
## Drawings

Schematic diagram



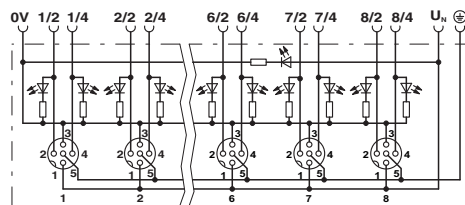
M12 slot, socket, 5-pos.

Schematic diagram



M23 plug connection pin, 19-pos.

Circuit diagram



Dimensional drawing

## Approvals

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UL Recognized / cUL Recognized / EAC / cULus Recognized

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### Approvals


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Ex Approvals


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#### Approval details

UL Recognized  <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> FILE E 118976	
mm <sup>2</sup> /AWG/kcmil	22-16
Nominal voltage UN	24 V

cUL Recognized  <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> FILE E 118976	
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EAC EAC-Zulassung
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