

## Sensor/actuator box - SACB-6/12- 5,0HPUR - 1695867

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Sensor/actuator box, Connection method: M12 socket Plastic, Number of slots: 6, Number of positions: 5, Slot assignment: Double, Status indication: No, Universal; Master cable connection: Fixed connection 180°, PUR halogen free, Cable length: 5 m, Shielding: No

The illustration shows a version with 8 slots

### Product Features

- ✓ Safety in the field, thanks to robust housing and high degree of protection
- ✓ Flexible, distributed bundling of signals in one master cable
- ✓ Save space: distributor box with double occupancy for two sensors in one slot



### Key commercial data

Packing unit	1 PCE
Weight per Piece (excluding packing)	861.6 GRM
Custom tariff number	85444290
Country of origin	Poland

### Technical data

#### General

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
Total rated current	12 A
Number of positions	5
Number of slots	6
Inflammability class according to UL 94	V0
Sensor/actuator connection system	M12 socket

#### Ambient conditions

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### Technical data

#### Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C ... 75 °C
	-40 °C ... 90 °C (for fixed installation)
	-5 °C ... 80 °C (for flexible installation)

#### Master cable connection data

Connection method	Fixed connection
Length of cable	5 m
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 threaded sleeve	PA
Material, O-ring	NBR

#### Pin assignment

Slot/position = Wire color or connection	1 / 4 (A) = WH
	1 / 2 (B) = GY/PK
	2 / 4 (A) = GN
	2 / 2 (B) = RD/BU
	3 / 4 (A) = YE
	3 / 2 (B) = WH/GN
	4 / 4 (A) = GY
	4 / 2 (B) = BN/GN
	5 / 4 (A) = PK
	5 / 2 (B) = WH/YE
	6 / 4 (A) = RD
	6 / 2 (B) = YE/BN
	1-6 / 1 (+ 120 V) = BN
	1-6 / 3 (0 V) = BU
	1-6 / 5 (PE) = GN/YE

#### Cable

Cable abbreviation	Li9Y11Y-HF
Conductor cross section	12x 0.5 mm <sup>2</sup> (Signal)

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## Technical data

### Cable

	3x 0.5 mm <sup>2</sup> (Power)
AWG signal line	20
AWG power supply	17
Conductor structure signal line	64x 0.10 mm
Conductor structure, voltage supply	128x 0.10 mm
Overall twist	Wires twisted in layers
External sheath, color	Black RAL 9005
External cable diameter D	10.4 mm ±0.3 mm
Number of bending cycles	2000000
Minimum bending radius, drag chain applications	10 x D
Traversing path	2 m
Traversing rate	2 m/s
Outer sheath, material	PUR
Conductor material	Bare Cu litz wires
Nominal voltage, cable	300 V
Test voltage, cable	2000 V
Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

## 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

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## Classifications

### UNSPSC

UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	31261501

## Approvals

### Approvals

#### Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

#### Ex Approvals

#### Approvals submitted

## Approval details

UL Recognized	
mm <sup>2</sup> /AWG/kcmil	22-16
Nominal voltage UN	120 V

cUL Recognized	
mm <sup>2</sup> /AWG/kcmil	22-16
Nominal voltage UN	120 V

GOST	
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## Approvals



## Accessories

Accessories

Protective cap

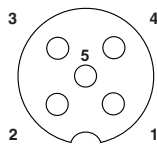
Screw plug - PROT-M12 - 1680539



An M12 screw plug for the unoccupied M12 sockets of the sensor/actuator cable, boxes and flush-type connectors

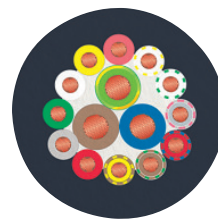
## Drawings

Schematic diagram

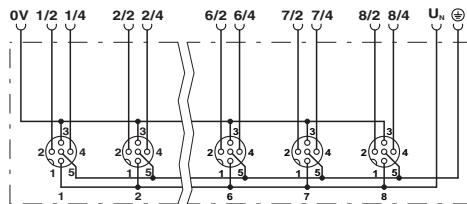


M12 slot, socket, 5-pos.

Cable cross section



Circuit diagram



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Dimensioned drawing

