

## Sensor/actuator box - SACB- 8/4-L- 5,0PUR-M8 - 1516111

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Sensor/actuator box, Application: Standard, Connection method: M8 socket Metal, Number of slots: 8, Number of positions: 4, Slot assignment: Double, Status indication: Yes, pnp; Master cable connection: Fixed connection 180°, PUR/PVC, Cable length: 5 m, 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
- Save space: distributor box with double occupancy for two sensors in one slot



### Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	949.9 GRM
Custom tariff number	85444290
Country of origin	Germany

### 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	2 A
Total rated current	6 A
Number of positions	4
Number of slots	8
Inflammability class according to UL 94	V0
Sensor/actuator connection system	M8 socket

#### Ambient conditions

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## Technical data

### Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-30 °C ... 80 °C
	-40 °C ... 90 °C (for fixed installation)
	-5 °C ... 80 °C (for flexible installation)

### Local diagnostics function

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

### Master cable connection data

Connection method	Fixed connection
Length of cable	5 m
Tightening torque slot sensor/actuator cable	0.2 Nm

### Insulation material

Housing material	PBT
Material of the moulding mass	PUR
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA
Material of threaded sleeve	Cu alloy
Material of threaded sleeve surface	Nickel-plated
O-ring material	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
	7 / 4 (A) = BK

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## Technical data

### Pin assignment

	7 / 2 (B) = WH/GY
	8 / 4 (A) = VT
	8 / 2 (B) = GY/BN
	1-8 / 1 (+ 24 V) = BN
	1-8 / 3 (0 V) = BU

### Cable

Cable type	PUR/PVC black
Cable type (abbreviation)	PUR
Cable abbreviation	LiYY11Y-HF
Conductor cross section	16x 0.34 mm <sup>2</sup> (signal line)
	2x 0.75 mm <sup>2</sup> (Power supply)
AWG signal line	22
AWG power supply	18
Conductor structure signal line	42x 0.10 mm
Conductor structure, voltage supply	96x 0.10 mm
Overall twist	Wires twisted in layers
External sheath, color	deep black RAL 9005
External cable diameter D	10.1 mm ±0.2 mm
Number of bending cycles	1500000
Bending radius	110 mm
Traversing path	2 m
Traversing rate	2 m/s
Outer sheath, material	PUR
Material, inner sheath	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Nominal voltage, cable	300 V (signal line)
	500 V (Power supply)
Test voltage, cable	1200 V (signal line)
	2000 V (Power supply)
Special properties	Silicone-free
Flame resistance	DIN EN 50265
Resistance to oil	As per VDE 0472 Part 803
Other resistance	Highly resistant to acids, alkaline solutions and solvents
Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

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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	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

### Approvals

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#### Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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#### Approval details

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## Approvals

UL Recognized	
Nominal voltage UN	24 V

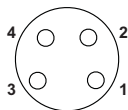
cUL Recognized	
Nominal voltage UN	24 V

GOST	
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cULus Recognized	
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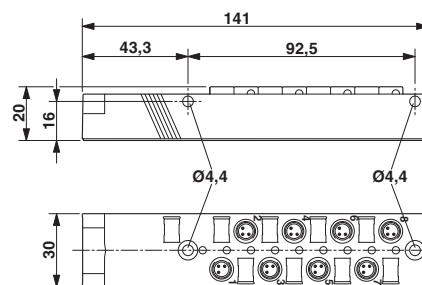
## Drawings

Schematic diagram



Pin assignment M8 socket, 4-pos.

Dimensioned drawing



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Circuit diagram

