



Automatización Eléctrica
Especialistas en Automatización

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Sensor/actuator box - SACB- 8/4-L-10,0PUR-M8 - 1516124

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Sensor/actuator box, Application: Standard, Connection method: M8 socket Metal, Number of slots: 8, Number of positions: 4, Coding: A - standard, Slot assignment: Double, Status indication: Yes, pnp; Master cable connection: Fixed connection 180°, PUR/PVC, Cable length: 10 m, Shielding: No

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 |
| GTIN | 4 017918 967109 |

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 |
| Flammability rating according to UL 94 | V0 |
| Sensor/actuator connection system | M8 socket |

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

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Technical data

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 | 10 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 |
| | 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 |

Standards and Regulations

| | |
|--|-----------------|
| Standard designation | M8 connector |
| Standards/regulations | IEC 61076-2-104 |
| Connection in acc. with standard | CUL |
| Flammability rating according to UL 94 | V0 |

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Technical data

Cable

| | |
|-------------------------------------|--|
| Cable type | PUR/PVC black |
| Cable type (abbreviation) | PUR |
| Cable abbreviation | LiYY11Y-HF |
| Conductor cross section | 16x 0.34 mm ² (Signal line) |
| | 2x 0.75 mm ² (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) |

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 |

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Classifications

eCl@ss

| | |
|------------|----------|
| 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

| | |
|---|------|
| UL Recognized  | |
| Nominal voltage UN | 24 V |

| | |
|--|------|
| cUL Recognized  | |
| Nominal voltage UN | 24 V |

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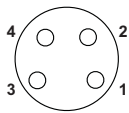
Approvals

EAC

cULus Recognized

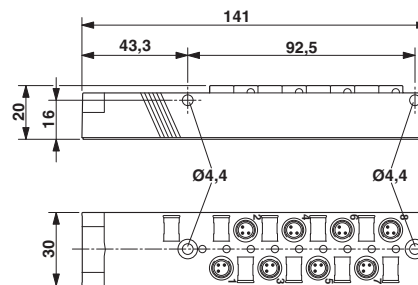
Drawings

Schematic diagram

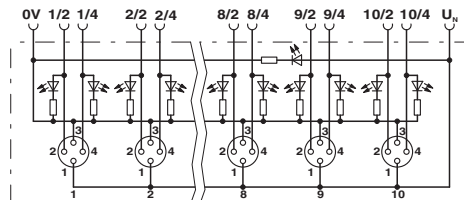


M8 slot, socket, 4-pos.

Dimensional drawing



Circuit diagram



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