

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, coding: A - standard, slot assignment: Double, status display: yes, pnp; master cable connection: Fixed connection 180°, PUR/PVC, cable length: 5 m, shielding: no

Your advantages

- ✓ 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 |
| GTIN |  4 017918 967093 |
| GTIN | 4017918967093 |

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 |
| Note | NOTE: Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending forces are too high. Alleviate mechanical loads upstream of the connector, e.g. by using cable ties. |

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Technical data

General

| | |
|--|--|
| | Unused slots are to be sealed off prior to commissioning. Suitable sealing elements are to be found under "Accessories". |
|--|--|

Ambient conditions

| | |
|---------------------------------|------------------|
| Degree of protection | IP65 |
| | IP67 |
| Ambient temperature (operation) | -30 °C ... 80 °C |

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 |

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 |

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 |

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Technical data

Cable

| | |
|---------------------------------|--|
| Wire colors | brown, blue, white, green, yellow, gray, pink, red, black, violet, gray/pink, red/blue, white/green, brown/green, white/yellow, yellow/brown, white/gray, gray/brown |
| 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 | according to 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) |

Environmental Product Compliance

| | |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Approvals

Approvals

Approvals


UL Recognized / cUL Recognized / EAC / cULus Recognized


Ex Approvals

Approval details


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

Approvals

| | | | |
|--------------------|---|---|---------------|
| UL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 118976 |
| Nominal voltage UN | | 24 V | |

| | | | |
|--------------------|---|---|---------------|
| cUL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 118976 |
| Nominal voltage UN | | 24 V | |

| | | |
|-----|---|--------------------------|
| EAC |  | RU C- DE.BL08.B.00286 |
|-----|---|--------------------------|

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| cULus Recognized |  |
|------------------|---|

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