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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Sensor/actuator box - SACB-10/3-L-SC-M8 - 1503409

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Sensor/actuator box, application: Standard, connection method: M8 socket Metal, number of slots: 10, number of positions: 3, coding: A - standard, slot assignment: single, status display: yes, pnp; master cable connection: Spring-cage connection 180°, 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
- Flexible: distributor box with connector hood for on-site assembly

Key Commercial Data

| | |
|--------------|---|
| Packing unit | 1 STK |
| GTIN |  4 017918 966966 |
| GTIN | 4017918966966 |

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 | 3 |
| Number of slots | 10 |
| Flammability rating according to UL 94 | V0 |
| Sensor/actuator connection system | M8 socket |

Ambient conditions

| | |
|----------------------|------|
| Degree of protection | IP65 |
| | IP67 |

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Technical data

Ambient conditions

| | |
|---------------------------------|------------------|
| Ambient temperature (operation) | -30 °C ... 80 °C |
|---------------------------------|------------------|

Local diagnostics function

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

Master cable data/connection data

| | |
|--|------------------------|
| Connection method | Spring-cage connection |
| Conductor cross section min. (signal) | 0.14 mm ² |
| Conductor cross section max. (signal) | 1 mm ² |
| Conductor cross section AWG min. (signal) | 26 |
| Conductor cross section AWG max. (signal) | 17 |
| Stripping length (signal) | 10 mm |
| Conductor cross section min. (energy) | 0.2 mm ² |
| Conductor cross section max. (energy) | 1.5 mm ² |
| Conductor cross section AWG min. (energy) | 26 |
| Conductor cross section AWG max. (energy) | 16 |
| External cable diameter min. | 7 mm |
| External cable diameter max. | 11 mm |
| Stripping length | 70 mm (Master cable) |
| Tightening torque, cover screw | 1 Nm |
| Tightening torque, union nut | 2.5 Nm |
| 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 contact, master cable side | CuZn |
| Material of contact surface, master cable side | NiSn |
| Material of the contact carrier on the master cable side | PA 6.6 V0 |
| 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) = 1 / 4 |
| | 2 / 4 (A) = 2 / 4 |
| | 3 / 4 (A) = 3 / 4 |
| | 4 / 4 (A) = 4 / 4 |
| | 5 / 4 (A) = 5 / 4 |

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Technical data

Pin assignment

| | |
|--|-----------------------------------|
| | 6 / 4 (A) = 6 / 4 |
| | 7 / 4 (A) = 7 / 4 |
| | 8 / 4 (A) = 8 / 4 |
| | 9 / 4 (A) = 9 / 4 |
| | 10 / 4 (A) = 10 / 4 |
| | 1-10 / 1 (+24 V) = U _N |
| | 1-10 / 3 (0 V) = 0 V |

Standards and Regulations

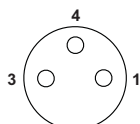
| | |
|--|-----------------|
| Standard designation | M8 connector |
| Standards/regulations | IEC 61076-2-104 |
| Connection in acc. with standard | CUL |
| Flammability rating according to UL 94 | V0 |

Environmental Product Compliance

| | |
|------------|---|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

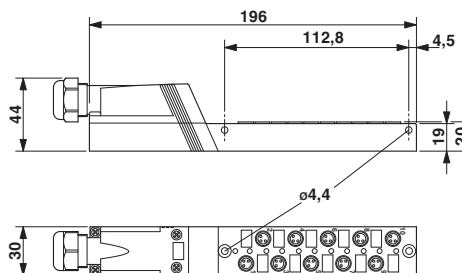
Drawings

Schematic diagram

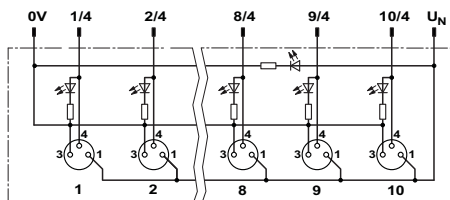


M8 slot, socket, 3-pos.

Dimensional drawing



Circuit diagram



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Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

| | | | |
|--------------------|--|---|---------------|
| 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 | | EAC-Zulassung |
|-----|--|---------------|

| | | |
|------------------|--|---|
| cULus Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm |
|------------------|--|---|

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