

Sensor/actuator box - SACB- 4/3-L-M12-M8 - 1516234

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Sensor/actuator box, Application: Standard, Connection method: M8 socket Metal, Number of slots: 4, Number of positions: 3, Coding: A - standard, Slot assignment: single, Status indication: Yes, pnp; Master cable connection: M12 plug connection 90°, 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

Key commercial data

| | |
|-------------------------|---------------|
| package_quantity | 1 |
| GTIN | 4017918967161 |

Technical data

Environmental Product Compliance

| | |
|-------------------|---------------|
| REACH SVHC | DEHP 117-81-7 |
|-------------------|---------------|

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 | 4 A |
| Number of positions | 3 |
| Number of slots | 4 |
| Flammability rating according to UL 94 | V0 |
| Sensor/actuator connection system | M8 socket |

Ambient conditions

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

Local diagnostics function

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

Master cable data/connection data

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Technical data

Master cable data/connection data

| | |
|---|---------------------|
| Connection method | M12 plug connection |
| Tightening torque - master cable - plug connection | 0.4 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 | CU alloy |
| Material of contact surface, master cable side | Gold-plated |
| 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 |
| Slot/position = Wire color or connection | 2 / 4 (A) = 2 |
| Slot/position = Wire color or connection | 3 / 4 (A) = 3 |
| Slot/position = Wire color or connection | 4 / 4 (A) = 4 |
| Slot/position = Wire color or connection | 1-4 / 1 (+ 24 V) = 5 |
| Slot/position = Wire color or connection | 1-4 / 3 (0 V) = 7 |

Standards and Regulations

| | |
|---|-----------------|
| Standard designation | M12 connector |
| Standards/regulations | IEC 61076-2-101 |
| Standard designation | M8 connector |
| Standards/regulations | IEC 61076-2-104 |
| Connection in acc. with standard | CUL |
| Flammability rating according to UL 94 | V0 |

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 | 27279219 |
| eCl@ss 9.0 | 27440108 |

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Classifications

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

UL Recognized / cUL Recognized / EAC / cULus Recognized /

Approval details

| | |
|----------------------------|------|
| UL Recognized s | |
| Nominal voltage UN | 24 V |
| Nominal current IN | |
| mm ² /AWG/kcmil | |

| | |
|----------------------------|------|
| cUL Recognized s | |
| Nominal voltage UN | 24 V |
| Nominal current IN | |
| mm ² /AWG/kcmil | |

| |
|--------------|
| EAC s |
|--------------|

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

Accessories

Master cable, assembled

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Accessories

SAC-6P-M12FR-PURMC/ - 1520987



SAC-6P- 5,0-PURMC/M12FR - 1407820



SAC-6P-10,0-PURMC/M12FR - 1407821



Terminal marking

ZBF10:UNBEDRUCKT - 0809997



Labeled terminal marker

ZBF10 CUS - 0825031



Protective cap

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Accessories

PROT-M8 - 1682540



PROT-M12 FS - 1560251



Torque tool

TSD 02 SAC - 1208487



TSD 04 SAC - 1208429



TSD-M 1,2NM - 1212224



Screwdriver tools

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Accessories

SAC BIT M8-D10 - 1208461



SACC BIT M8-D12 - 1208474



TSD-M SAC-BIT ADAPTER - 1212600

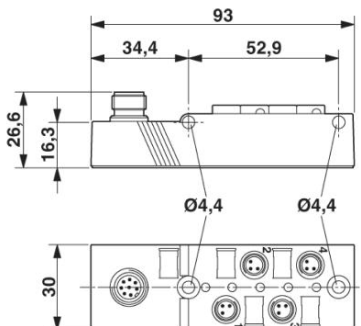


SAC BIT M12-D15 - 1208432



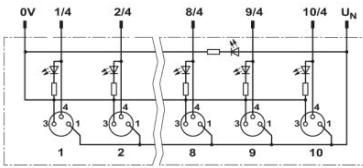
Drawings

Dimensional drawing



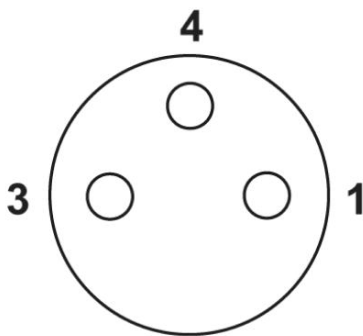
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Circuit diagram



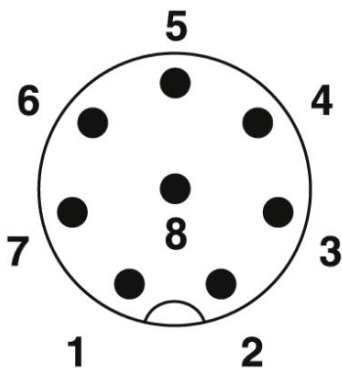
Further information can be found in the connection assignment section

Schematic diagram



Pin assignment M8 socket, 3-pos.

Schematic diagram



Connector pin assignment for M12 plug-in connection, 8-pos.

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