

Sensor/actuator box header - SACB-4/ 8-L-C GG - 1698136

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Sensor/actuator box header, Connection method: M12 socket Plastic, Number of slots: 4, Number of positions: 5, Slot assignment: Double, Status indication: Yes, pnp; Master cable connection: Pluggable screw connection, Shielding: No

The illustration shows a version with 8 slots



Key commercial data

| | |
|--------------------------------------|----------|
| Packing unit | 1 PCE |
| Weight per Piece (excluding packing) | 78.7 GRM |
| Custom tariff number | 85366990 |
| Country of origin | Poland |

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 | 4 A |
| Total rated current | 10 A |
| | 2x 8 A (For electrical isolation) |
| Number of positions | 5 |
| Number of slots | 4 |
| Inflammability class according to UL 94 | V0 |
| Sensor/actuator connection system | M12 socket |

Ambient conditions

| | |
|---------------------------------|------------------|
| Degree of protection | IP65 |
| | IP67 |
| Ambient temperature (operation) | -25 °C ... 75 °C |

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Technical data

Local diagnostics function

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

Master cable data/connection data

| | |
|--|----------------------------|
| Connection method | Pluggable screw connection |
| Tightening torque slot sensor/actuator cable | 0.4 Nm |

Insulation material

| | |
|--|----------|
| Housing material | PA |
| 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 | Sn |
| Material of the contact carrier on the master cable side | PA 66 V0 |
| Material of threaded sleeve | PA |
| Material, O-ring | NBR |

Pin assignment

| | |
|--|-----------------------------------|
| Slot/position = Wire color or connection | 1 / 4 (A) = 1 / 4 |
| | 1 / 2 (B) = 1 / 2 |
| | 2 / 4 (A) = 2 / 4 |
| | 2 / 2 (B) = 2 / 2 |
| | 3 / 4 (A) = 3 / 4 |
| | 3 / 2 (B) = 3 / 2 |
| | 4 / 4 (A) = 4 / 4 |
| | 4 / 2 (B) = 4 / 2 |
| | 1-4 / 1 (+ 24 V) = U _N |
| | 1-4 / 3 (0 V) = 0 V |
| | 1-4 / 5 (PE) = PE |

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 |

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Classifications

eCl@ss

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


Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

| | |
|---|-------|
| UL Recognized  | |
| mm ² /AWG/kcmil | 22-16 |
| Nominal voltage UN | 24 V |

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| | |
|------|--|
| GOST | |
|------|--|

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

Accessories

Accessories

Device marking

Zack marker strip - ZBN 18:UNBEDRUCKT - 2809128



Zack marker strip, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 18 mm, Lettering field: 18 x 5 mm

Protective cap

Screw plug - PROT-M12 - 1680539



An M12 screw plug for the unoccupied M12 sockets of the sensor/actuator cable, boxes and flush-type connectors

Screwdriver tools

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Accessories

Tool - SAC BIT M12-D15 - 1208432



Nut for assembling sensor/actuator cables with M12 connector and for M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

Tool - SACC BIT M12-D20 - 1208445



Nut for assembling SACC M12 connectors for free assembly, excluding M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

Philips screwdriver - SZK PZ2 VDE - 1206463



Screwdriver, PZ crosshead, VDE insulated, size: PZ 2 x 100 mm, 2-component grip, with non-slip grip

Torque tool

Torque screwdriver - TSD 04 SAC - 1208429



Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

Required add-on products

Connector hood - SACB-C-H180-4/ 8- 5,0PUR - 1503072



Sensor/actuator connector hood, with master cable, marking label, for an SAC box with 4 double-occupied slots

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Accessories

Connector hood - SACB-C-H180-4/ 8-10,0PUR - 1503085



Sensor/actuator connector hood, with master cable, marking label, for an SAC box with 4 double-occupied slots

Connector hood - SACB-C-H180 4- 8 PUR/ - 1698149



Connector hood, For use in Sensor/actuator box, Connection method: M12 socket Plastic, Number of slots: 4, Slot assignment: Double, Status indication: No; Master cable connection: Pluggable screw connection 180°, PUR/PVC, Cable length: 0.5 m ... 50 m, Shielding: No

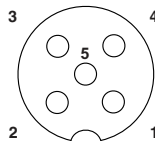
Connector hood - SACB-C-H180 8/16 - 1695977



Connector hood with integrated connector, for M12 sensor/actuator boxes with plastic thread and plug-in screw connection, for 4, 6 or 8 slots

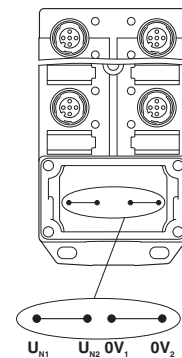
Drawings

Schematic diagram



M12 slot, socket, 5-pos.

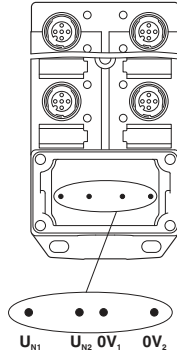
Schematic diagram



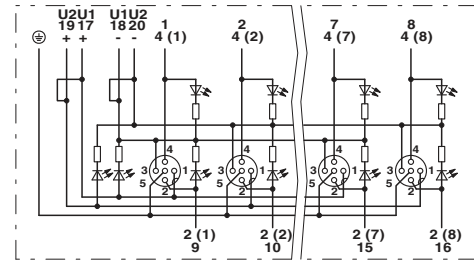
Potential U_{N1} and U_{N2} bridged. Potential assignment: $U_{N1} = U_{N2} = \text{slots } 1,2,3,4.$

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Schematic diagram



Circuit diagram



Electrically isolated. Potential assignment:
 U_{N1} = slots 1,3 and U_{N2} = slots 2,4.

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Dimensioned drawing

