

**SACB- 4/3-L-M16-M8**

Order No.: 1516182

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1516182>

Sensor/actuator box, M8 socket, Number of slots: 4, Number of positions: 3, Slot assignment: Single, Status indication: Yes, pnp 90°, Shielding: No

**Commercial data**

|                          |                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------|
| GTIN (EAN)               |  |
| sales group              | D102                                                                                |
| Pack                     | 1 pcs.                                                                              |
| Customs tariff           | 85366990                                                                            |
| Catalog page information | Page 112 (PC-2009)                                                                  |

**Product notes**

WEEE/RoHS-compliant since:  
08/01/2007



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**Technical data****General data**

|                                          |         |
|------------------------------------------|---------|
| 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                    | 4                |
| Degree of protection               | IP65/IP67        |
| Inflammability class acc. to UL 94 | V0               |
| Ambient temperature (operation)    | -30 °C ... 80 °C |
| Sensor/actuator connection system  | M8 socket        |

#### Local diagnostics function

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

#### Master cable data

|                                                    |                     |
|----------------------------------------------------|---------------------|
| Type of connection                                 | M16 plug connection |
| Tightening torque - master cable - plug connection | 1.5 Nm              |
| Tightening torque slot sensor/actuator cable       | 0.2 Nm              |
| Tightening torque screw plug                       | 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 threaded sleeve            | Cu alloy      |
| Material of threaded sleeve surface    | Nickel-plated |
| Material, O-ring                       | NBR           |

#### Pin assignment

|                                          |                        |
|------------------------------------------|------------------------|
| Slot/position = Wire color or connection | 1 / 4 (A) = P          |
|                                          | 2 / 4 (A) = J          |
|                                          | 3 / 4 (A) = T          |
|                                          | 4 / 4 (A) = S          |
|                                          | 1-4 / 1 (+ 24 V) = A+M |
|                                          | 1-4 / 3 (0 V) = L+U    |

## Certificates / Approvals



Certification

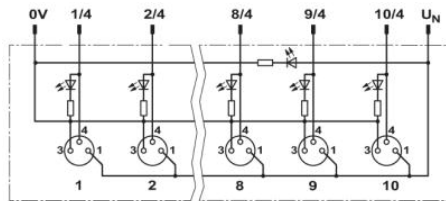
CUL, UL

## Accessories

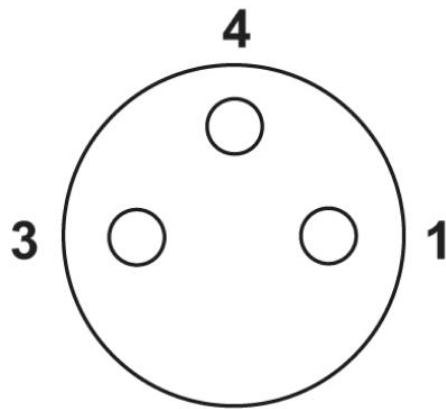
| Item                                   | Designation           | Description                                                                                                                                                                |
|----------------------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Marking</b>                         |                       |                                                                                                                                                                            |
| 0809984                                | ZBF10:SO/CMS          | Zack marker strip, flat, in 10 mm pitch, labeled according to customer specifications, 10-section, divisible, color: White                                                 |
| 0809997                                | ZBF10:UNBEDRUCKT      | Zack marker strip, flat, in 10 mm pitch, unprinted, 10-section, for individual labeling with M-PEN 0,8, X-PEN, or CMS-P1-PLOTTER                                           |
| <b>Protection and sealing elements</b> |                       |                                                                                                                                                                            |
| 1682540                                | PROT-M8               | An M8 screw plug for the unoccupied M8 sockets of the sensor/ actuator cable, boxes and flush-type connectors                                                              |
| <b>Socket</b>                          |                       |                                                                                                                                                                            |
| 1693681                                | SAC-8P- 5,0-PUR/M16FR | Master cable, Number of slots: 4, Number of positions: 8, Status indication: No, Universal, PUR/PVC, Cable length: 5 m, Shielding: No                                      |
| 1693694                                | SAC-8P-10,0-PUR/M16FR | Master cable, Number of slots: 4, Number of positions: 8, Status indication: No, Universal, PUR/PVC, Cable length: 10 m, Shielding: No                                     |
| 1500253                                | SACC-M16FR-14CON-M    | M16 socket, 14-pos., with solder connection, freely configurable, angled, for a 6.0 mm conductor diameter ... 8.0 mm                                                       |
| 1500554                                | SACC-M16FS-14CON-M    | M16 socket, 14-pos., with solder connection, freely configurable, straight, for a 6.0 mm conductor diameter ... 8.0 mm                                                     |
| <b>Tools</b>                           |                       |                                                                                                                                                                            |
| 1208461                                | SAC BIT M8-D10        | Nut for assembling sensor/actuator cables with M8 connector and for M8 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive                        |
| 1208474                                | SACC BIT M8-D12       | Nut for assembling SACC M8 connectors for free assembly with longitudinal knurl, excluding M8 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive |
| 1208487                                | TSD 02 SAC            | Torque screwdriver, with preset torque of 0.2 Nm and 4 mm hexagonal drive for M8 connectors                                                                                |

## Diagrams/Drawings

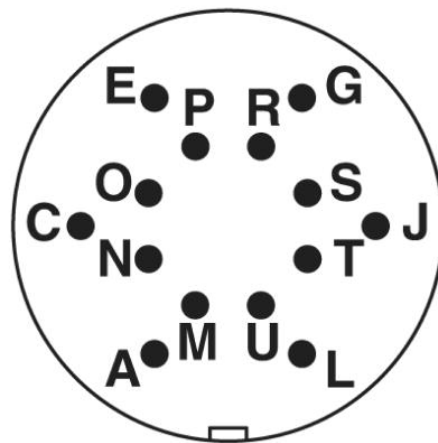
### Circuit diagram



### Schematic diagram



Connector pin assignment for M8 socket,  
3-pos.



Connector pin assignment for M16 plug-in  
connection, 14-pos.

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