

## Excellent Integrated System Limited

Stocking Distributor

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## SACB- 6/3-L-M12-M8

Order No.: 1516247



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1516247>

Sensor/actuator box, M8 socket, Number of slots: 6, 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:  
01/01/2008



<http://www.download.phoenixcontact.com>  
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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     |

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|                                    |                  |
|------------------------------------|------------------|
| Total rated current                | 4 A              |
| Number of positions                | 3                |
| Number of slots                    | 6                |
| 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                                 | M12 plug connection |
| Tightening torque - master cable - plug connection | 0.4 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 contact surface, master cable side | Gold-plated   |
| 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) = 2 |
|------------------------------------------|---------------|

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|  |                      |
|--|----------------------|
|  | 2 / 4 (A) = 1        |
|  | 3 / 4 (A) = 7        |
|  | 4 / 4 (A) = 6        |
|  | 5 / 4 (A) = 4        |
|  | 6 / 4 (A) = 8        |
|  | 1-6 / 1 (+ 24 V) = 5 |
|  | 1-6 / 3 (0 V) = 3    |

### 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 |

### Protection and sealing elements

|         |             |                                                                                                                                 |
|---------|-------------|---------------------------------------------------------------------------------------------------------------------------------|
| 1560251 | PROT-M12 FS | M12 sealing cap for unoccupied M12 connectors of the sensor/ actuator cable, flush-type connectors and I/O devices in the field |
| 1682540 | PROT-M8     | An M8 screw plug for the unoccupied M8 sockets of the sensor/ actuator cable, boxes and flush-type connectors                   |

### Socket

|         |                     |                                                                                                                              |
|---------|---------------------|------------------------------------------------------------------------------------------------------------------------------|
| 1520990 | SAC-8P-M12FR-PURMC/ | M12 socket, angled, 8-pos., with connected master cable, for sensor/actuator box with M8 slots, cable length: 0.2 m ... 40 m |
|---------|---------------------|------------------------------------------------------------------------------------------------------------------------------|

### Tools

|         |                 |                                                                                                                                                       |
|---------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1208432 | SAC BIT M12-D15 | Nut for assembling sensor/actuator cables with M12 connector and for M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive |
|---------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|

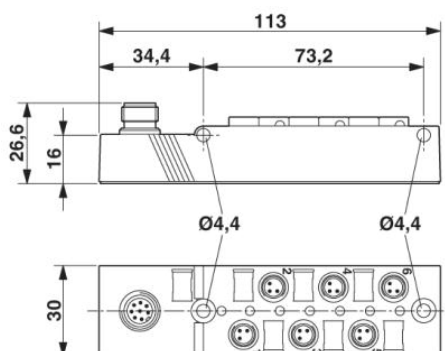
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<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1516247>

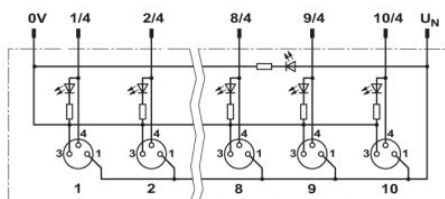
|         |                 |                                                                                                                                                                            |
|---------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                |
| 1208429 | TSD 04 SAC      | Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors                                                                               |

## Diagrams/Drawings

Dimensioned drawing



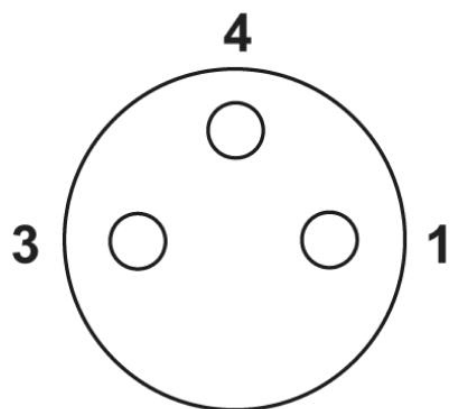
Circuit diagram



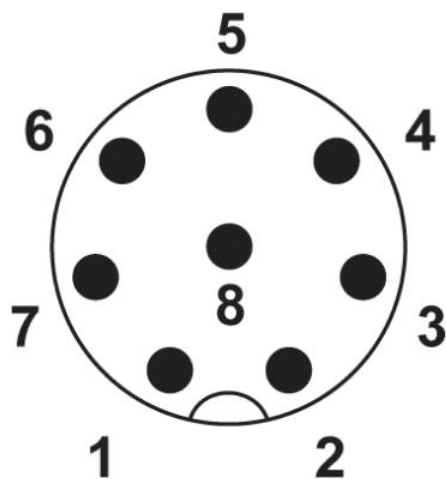
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Schematic diagram



M8 slot, socket, 3-pos.



M12 plug connection pin, 8-pos.

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