

# SACB- 8/3-L-C QO-0,34

Order No.: 1548341



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1548341>

Sensor/actuator box, QUICKON, 0.14 mm<sup>2</sup> ... 0.34 mm<sup>2</sup>, Number of slots: 8, Number of positions: 3, Slot assignment: Single, Status indication: Yes, pnp 180°, Shielding: No

## Commercial data

|                          |                                                                                                        |
|--------------------------|--------------------------------------------------------------------------------------------------------|
| GTIN (EAN)               | <br>4 046356 142816 |
| sales group              | D105                                                                                                   |
| Pack                     | 1 pcs.                                                                                                 |
| Customs tariff           | 85366990                                                                                               |
| Catalog page information | Page 118 (PC-2009)                                                                                     |

## Product notes

WEEE/RoHS-compliant since:  
01/03/2008



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## Technical data

### General data

|                                          |         |
|------------------------------------------|---------|
| Rated voltage                            | 24 V DC |
| Max. operating voltage U <sub>max</sub>  | 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                | 3                                 |
| Number of slots                    | 8                                 |
| Degree of protection               | IP65/IP67/IP69K                   |
| Inflammability class acc. to UL 94 | V0                                |
| Ambient temperature (operation)    | -30 °C ... 80 °C                  |
| Sensor/actuator connection system  | QUICKON                           |

#### Local diagnostics function

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

#### Master cable data

|                                           |                            |
|-------------------------------------------|----------------------------|
| Type of connection                        | Pluggable screw connection |
| Conductor cross-section min. (signal)     | 0.14 mm <sup>2</sup>       |
| Conductor cross-section max. (signal)     | 1.5 mm <sup>2</sup>        |
| Conductor cross-section AWG min. (signal) | 26                         |
| Conductor cross-section AWG max. (signal) | 16                         |
| Conductor cross-section min. (energy)     | 0.14 mm <sup>2</sup>       |
| Conductor cross-section max. (energy)     | 1.5 mm <sup>2</sup>        |
| Conductor cross-section AWG min. (energy) | 26                         |
| Conductor cross-section AWG max. (energy) | 16                         |
| External cable diameter min.              | 7 mm                       |
| External cable diameter max.              | 12 mm                      |
| Stripping length                          | 7 mm                       |
| Tightening torque, cover screw            | 0.35 Nm                    |
| Tightening torque, union nut              | 2.5 Nm                     |

#### Conductor data

|                                                                             |                   |
|-----------------------------------------------------------------------------|-------------------|
| Structure of individual litz in acc. with VDE 0295 / smallest wire diameter | Class 2-6         |
| Wire insulation material                                                    | PVC/PE/PP         |
| Wire diameter including insulation                                          | 0.7 mm ... 1.3 mm |
| Minimum external conductor diameter                                         | 3.5 mm            |
| Maximum external conductor diameter                                         | 6 mm              |
| Tightening torque, union nut                                                | 2 Nm              |

|                                        |                      |
|----------------------------------------|----------------------|
| Wrench size, union nut                 | 13 mm                |
| Conductor cross section stranded max.  | 0.34 mm <sup>2</sup> |
| Conductor cross section stranded min.  | 0.14 mm <sup>2</sup> |
| Conductor cross section AWG/kcmil min. | 26                   |
| Conductor cross section AWG/kcmil max  | 22                   |

#### Insulation material

|                                                          |              |
|----------------------------------------------------------|--------------|
| Housing material                                         | PBT          |
| Material of the moulding mass                            | PUR          |
| Contact material                                         | Steel/copper |
| Contact surface material                                 | Sn           |
| Material of contact, master cable side                   | CU alloy     |
| Material of contact surface, master cable side           | Gold-plated  |
| Material of the contact carrier on the master cable side | PA 66 V0     |

#### 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                 |
|                                          | 6 / 4 (A) = 6 / 4                 |
|                                          | 7 / 4 (A) = 7 / 4                 |
|                                          | 8 / 4 (A) = 8 / 4                 |
|                                          | 1-8 / 1 (+ 24 V) = U <sub>N</sub> |
|                                          | 1-8 / 3 (0 V) = 0 V               |

#### Certificates / Approvals



Certification

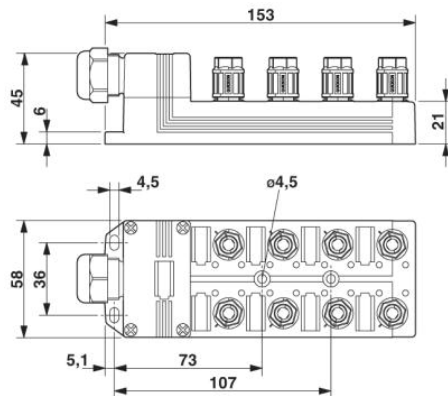
CUL, UL

#### Accessories

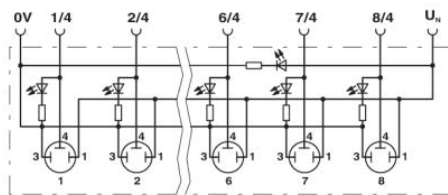
| Item                                   | Designation                | Description                                                                                                                                                                                                                       |
|----------------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Connector hood</b>                  |                            |                                                                                                                                                                                                                                   |
| 1560235                                | SACB-C-H180 8/4 QO-0,34    | Connector hood, Status indication: No 180°, Shielding: No                                                                                                                                                                         |
| <b>General</b>                         |                            |                                                                                                                                                                                                                                   |
| 1548626                                | QO-SET                     | QUICKON set for replacement purposes, consisting of splice ring, pressure nut and line seal                                                                                                                                       |
| 1517592                                | SACB- 8X0,34/2X0,75-50 PUR | Master cable for sensor/actuator boxes, without PE conductor, unshielded, material PUR/PVC, 10-pos., 8 x 0.34 mm <sup>2</sup> and 2 x 0.75 mm <sup>2</sup> , length: 50 m                                                         |
| <b>Marking</b>                         |                            |                                                                                                                                                                                                                                   |
| 0804963                                | SS-ZB 17,5 WH              | Contact marker Zack strip, unprinted: 5-section, for snapping into equipment and components with special marker carrier, can be labeled with M-PEN, CMS system or label BMKT 17.5 x 8, lettering field: 17.5 x 8 mm, color: white |
| <b>Protection and sealing elements</b> |                            |                                                                                                                                                                                                                                   |
| 1670235                                | Q-PROT 9/11                | Closing cap for PG9/PG11 to close unoccupied connections                                                                                                                                                                          |
| <b>Tools</b>                           |                            |                                                                                                                                                                                                                                   |
| 1212033                                | SAC BIT QUICKON-W13        | Nut for assembling QUICKON pressure nuts with 13 mm wrench size, for 4 mm hexagonal drive                                                                                                                                         |
| 1206450                                | SZK PZ1 VDE                | Screwdriver, PZ crosshead, VDE insulated, size: PZ 1 x 80 mm, 2-component grip, with non-slip grip                                                                                                                                |
| 1212020                                | TSD 20 SAC                 | Torque screwdriver, with preset torque of 2.0 Nm and 4 mm hexagonal drive for the pressure nut of the fast connection                                                                                                             |

## Diagrams/Drawings

### Dimensioned drawing

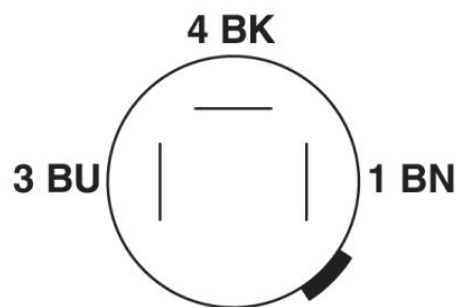


### Circuit diagram

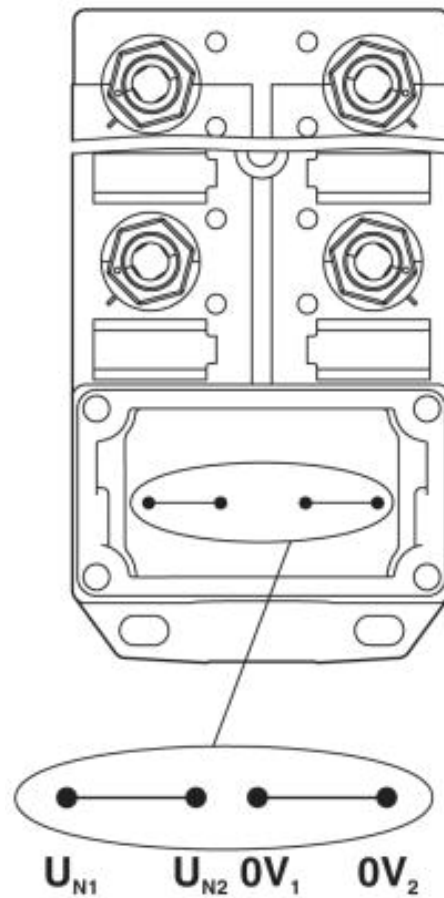


Schematic diagram

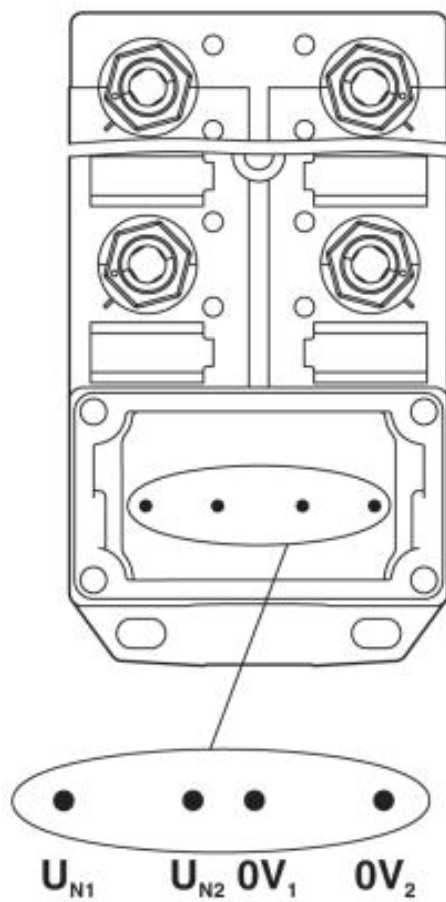
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QUICKON connection, 3-pos.



Potential  $U_{N1}$  and  $U_{N2}$  bridged



Electrically isolated

**Address**

PHOENIX CONTACT Deutschland GmbH  
Flachsmarktstr. 8  
32825 Blomberg, Germany  
Phone +49 5235 3 12000  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.de>



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### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

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