

## Excellent Integrated System Limited

Stocking Distributor

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[1548435](#)

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Extract from the online catalog

## SACB- 8/4-C QO-0,34

Order No.: 1548435



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1548435>

Sensor/actuator box, QUICKON, 0.14 mm<sup>2</sup> ... 0.34 mm<sup>2</sup>, Number of slots: 8, Number of positions: 4, Slot assignment: Double, Status indication: No, Universal 180°, Shielding: No

### Commercial data

|                          |                    |
|--------------------------|--------------------|
| GTIN (EAN)               |                    |
| Note                     | Made-to-order      |
| 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



<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

### Technical data

#### General data

|                                          |         |
|------------------------------------------|---------|
| Rated voltage                            | 48 V    |
|                                          | 60 V DC |
| Current carrying capacity per I/O signal | 2 A     |
| Current carrying capacity per slot       | 4 A     |

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|                                    |                                   |
|------------------------------------|-----------------------------------|
| Total rated current                | 10 A                              |
|                                    | 2x 8 A (For electrical isolation) |
| Number of positions                | 4                                 |
| 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                           |

#### 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                   |

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|                                                          |                                   |
|----------------------------------------------------------|-----------------------------------|
| Conductor cross section AWG/kcmil max                    | 22                                |
| <b>Insulation material</b>                               |                                   |
| 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                          |
| <b>Pin assignment</b>                                    |                                   |
| 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                 |
|                                                          | 5 / 4 (A) = 5 / 4                 |
|                                                          | 5 / 2 (B) = 5 / 2                 |
|                                                          | 6 / 4 (A) = 6 / 4                 |
|                                                          | 6 / 2 (B) = 6 / 2                 |
|                                                          | 7 / 4 (A) = 7 / 4                 |
|                                                          | 7 / 2 (B) = 7 / 2                 |
|                                                          | 8 / 4 (A) = 8 / 4                 |
|                                                          | 8 / 2 (B) = 8 / 2                 |
|                                                          | 1-8 / 1 (+ 48 V) = U <sub>N</sub> |
|                                                          | 1-8 / 3 (0 V) = 0 V               |

**Certificates / Approvals**


Certification

CUL, UL

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## Accessories

| Item | Designation | Description |
|------|-------------|-------------|
|------|-------------|-------------|

### Connector hood

|         |                         |                                                           |
|---------|-------------------------|-----------------------------------------------------------|
| 1560235 | SACB-C-H180 8/4 QO-0,34 | Connector hood, Status indication: No 180°, Shielding: No |
|---------|-------------------------|-----------------------------------------------------------|

### General

|         |                            |                                                                                                                                                   |
|---------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 1548626 | QO-SET                     | QUICKON set for replacement purposes, consisting of splice ring, pressure nut and line seal                                                       |
| 1539350 | SACB-16X0,34/2X0,75-50 PUR | Master cable for sensor/actuator boxes, without PE conductor, unshielded, material PUR/PVC, 18-pos., 16 x 0.34 mm² and 2 x 0.75 mm², length: 50 m |

### Marking

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

### Protection and sealing elements

|         |             |                                                          |
|---------|-------------|----------------------------------------------------------|
| 1670235 | Q-PROT 9/11 | Closing cap for PG9/PG11 to close unoccupied connections |
|---------|-------------|----------------------------------------------------------|

### Tools

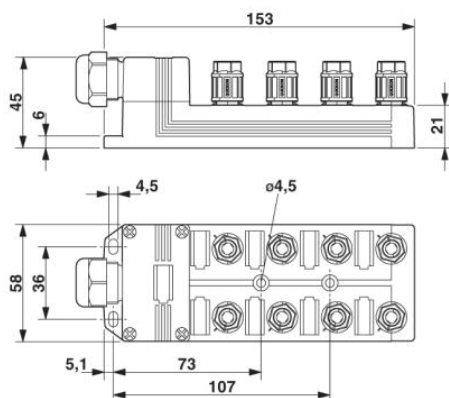
|         |                     |                                                                                                                       |
|---------|---------------------|-----------------------------------------------------------------------------------------------------------------------|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

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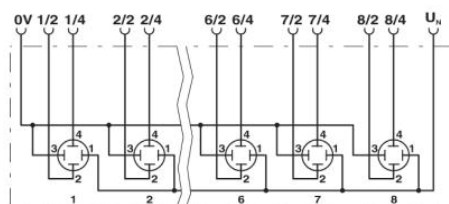
<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1548435>

## Diagrams/Drawings

### Dimensioned drawing



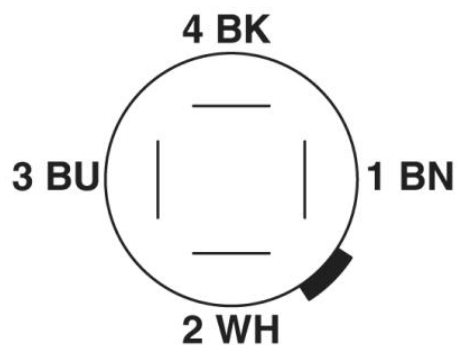
### Circuit diagram



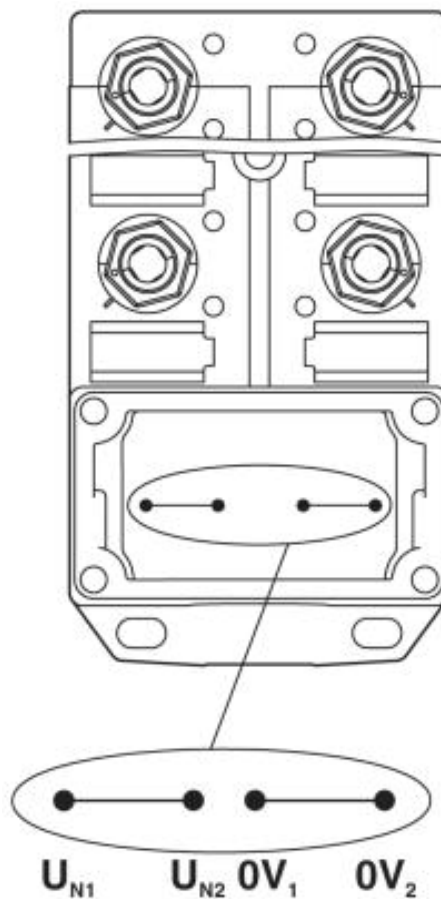
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<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1548435>

Schematic diagram



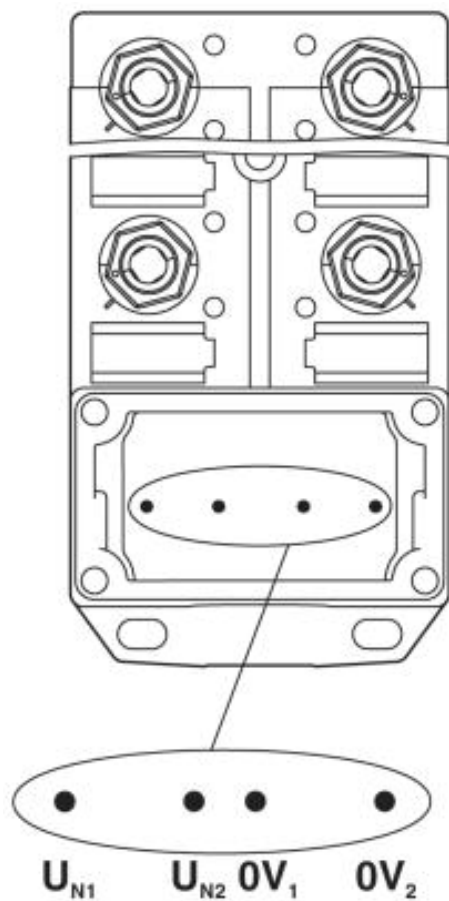
QUICKON connection, 4-pos.



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

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Electrically isolated

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#### 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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