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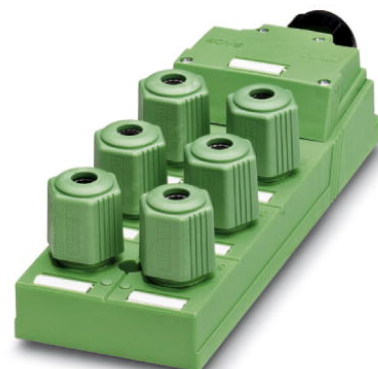
For any questions, you can email us directly:
sales@integrated-circuit.com



Extract from the online catalog


SACB-6Q/4P-SC

Order No.: 1683646



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1683646>

Sensor/actuator box, QUICKON, 0.34 mm² ... 0.75 mm², Number of slots: 6, Number of positions: 4, Slot assignment: Single, Status indication: No, Universal 180°, Shielding: No

| Commercial data | |
|--------------------------|--|
| GTIN (EAN) |  4 017918 170974 |
| sales group | D105 |
| Pack | 1 pcs. |
| Customs tariff | 85366990 |
| Catalog page information | Page 119 (PC-2009) |

Product notes

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



<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 | 120 V |
| Max. operating voltage U _{max} | 135 V |
| Current carrying capacity per I/O signal | 4 A |
| Current carrying capacity per slot | 4 A |

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| | |
|------------------------------------|------------------|
| Total rated current | 12 A |
| Number of positions | 4 |
| Number of slots | 6 |
| Degree of protection | IP65/IP67 |
| Inflammability class acc. to UL 94 | V0 |
| Ambient temperature (operation) | -25 °C ... 60 °C |
| Sensor/actuator connection system | QUICKON |

Master cable data

| | |
|---|----------------------|
| Type of connection | Spring-cage conn. |
| Conductor cross-section min. (signal) | 0.14 mm ² |
| Conductor cross-section max. (signal) | 1 mm ² |
| Conductor cross-section AWG min. (signal) | 26 |
| Conductor cross-section AWG max. (signal) | 17 |
| Conductor cross-section min. (energy) | 0.2 mm ² |
| Conductor cross-section max. (energy) | 1.5 mm ² |
| Conductor cross-section AWG min. (energy) | 24 |
| Conductor cross-section AWG max. (energy) | 16 |
| External cable diameter min. | 6.5 mm |
| External cable diameter max. | 9.5 mm |
| Stripping length | 10 mm |
| Tightening torque, union nut | 2.5 Nm |

Conductor data

| | |
|---|---|
| Structure of individual litz in acc. with VDE 0295 / smallest wire diameter | Class 2-6 // 0.34 mm ² : 0.1 mm; 0.5 - 0.75 mm ² : 0.15 mm |
| Wire insulation material | PVC/PE |
| Wire diameter including insulation | ≤ 2.5 mm |
| Minimum external conductor diameter | 4 mm |
| Maximum external conductor diameter | 7.5 mm |
| Tightening torque, union nut | 2.5 Nm |
| Wrench size, union nut | 22 mm |
| Note on the frequency of connections | if the conductor is connected more than once, seal and cap may need to be replaced. |
| Conductor cross section stranded max. | 0.75 mm ² |
| Conductor cross section stranded min. | 0.34 mm ² |
| Conductor cross section AWG/kcmil min. | 22 |
| Conductor cross section AWG/kcmil max | 18 |

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Insulation material

| | |
|--|--------------|
| Housing material | PA |
| Material of the moulding mass | PUR |
| Contact material | Steel/copper |
| Contact surface material | Sn |
| Material of contact, master cable side | CuZn |
| Material of contact surface, master cable side | NiSn |
| 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 |
| | 1-6 / 1 (+ 120 V) = U _N |
| | 1-6 / 3 (0 V) = 0 V |
| | 1-6 / 5 (PE) = PE |

Certificates / Approvals



Certification

CUL, GOST, UL

Accessories

| Item | Designation | Description |
|---------|------------------------|--|
| 1670743 | Q SET-11/4 COD1 SACB-Q | QUICKON set for replacement purposes, consisting of pressure nut, cap, line seal and splice ring |

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General

| | | |
|---------|-------------------------------|--|
| 1503331 | SACB- 6X0,34/ 3X0,75-50,0 PUR | Master cable for sensor/actuator boxes, with PE conductor, unshielded, material PUR/PVC, 9-pos., 6 x 0.34 mm ² and 3 x 0.75 mm ² |
|---------|-------------------------------|--|

Grommet

| | | |
|---------|------------------------------|---|
| 1680377 | SACB-D PG 13,5 (4,0-6,5) YE | Rubber seal for Pg screw connection 13.5, for conductor diameter 4.0 mm ... 6.5 mm |
| 1680380 | SACB-D PG 13,5 (6,5-9,5) BK | Rubber seal for Pg screw connection 13.5, for conductor diameter 6.5 mm ... 9.5 mm |
| 1680393 | SACB-D PG 13,5 (9,0-13,0) RD | Rubber seal for Pg screw connection 13.5, for conductor diameter 9.0 mm ... 13.0 mm |

Marking

| | | |
|---------|-------------------|---|
| 2809128 | ZBN 18:UNBEDRUCKT | Unprinted marker labels, strips with 5 labels for individual labeling with M-PEN or CMS system, for terminal block width: 17.5 mm, color: White |
|---------|-------------------|---|

Protection and sealing elements

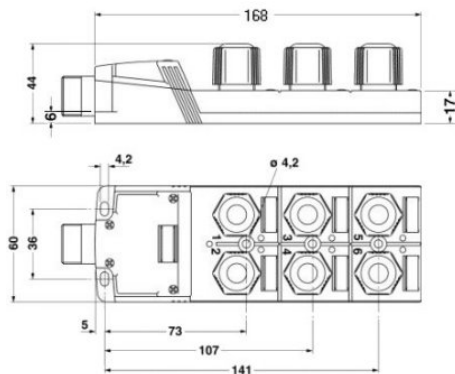
| | | |
|---------|-------------|--|
| 1670235 | Q-PROT 9/11 | Closing cap for PG9/PG11 to close unoccupied connections |
|---------|-------------|--|

Tools

| | | |
|---------|-------------|--|
| 1670206 | QSS 22 | Allen wrench, for loosening and fastening the QUICKON union nut, WAF 22 mm |
| 1206450 | SZK PZ1 VDE | Screwdriver, PZ crosshead, VDE insulated, size: PZ 1 x 80 mm, 2-component grip, with non-slip grip |

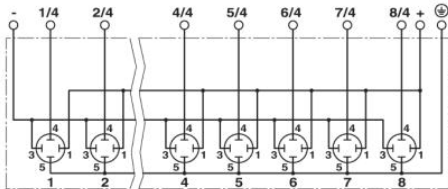
Diagrams/Drawings

Dimensioned drawing



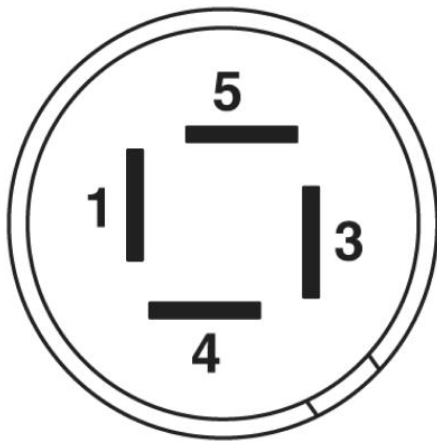
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Circuit diagram



Schematic diagram

QUICKON connection, 4-pos.



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