


SACB-6Q/4P-L-SC

Order No.: 1662942



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1662942>

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

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

Product notes

WEEE/RoHS-compliant since:
06/18/2007



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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 | 4 A |
| Current carrying capacity per slot | 4 A |

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

Local diagnostics function

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

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 |

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 (+ 24 V) = U _N |
| | 1-6 / 3 (0 V) = 0 V |
| | 1-6 / 5 (PE) = PE |

Certificates / Approvals



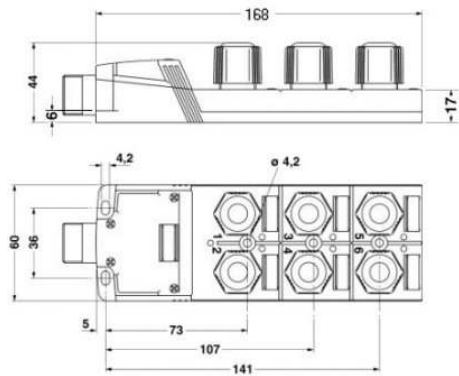
Certification

CUL, GOST, UL

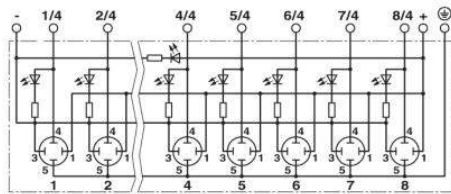
| Accessories | | |
|--|-------------------------------|--|
| Item | Designation | Description |
| Assembly | | |
| 1670743 | Q SET-11/4 COD1 SACB-Q | QUICKON set for replacement purposes, consisting of pressure nut, cap, line seal and splice ring |
| General | | |
| 1503331 | SACB- 6X0,34/ 3X0,75-50,0 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

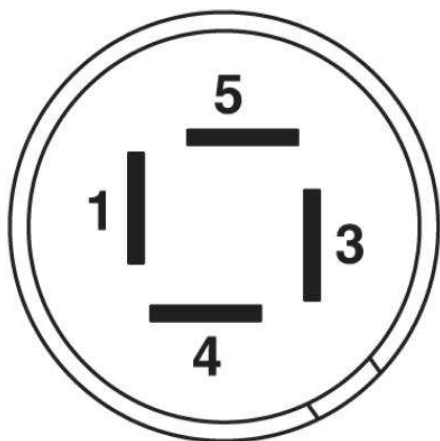


Circuit diagram



Schematic diagram

QUICKON connection, 4-pos.



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