

SACB-8/16-L-PT QO - Distributor box



1175449

<https://www.phoenixcontact.com/us/products/1175449>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Distributor box, connection method: QUICKON, 0.14 mm² ... 0.75 mm², number of slots: 8, number of positions: 5, slot assignment: Double, status display: Yes, pnp; master cable connection: Push-in connection 180°, shielding: no, When connecting 5 conductors, max. 0.5 mm² can be connected

Your advantages

- Safety in the field, thanks to molded housing and high degree of protection
- Convenient: increased machine availability thanks to quick and easy diagnostics
- Innovative and time-saving assembly with insulation displacement connection
- Flexible: distributor box with connector hood for on-site assembly

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1175449 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF41 |
| Product key | BF3DBC |
| GTIN | 4063151205225 |
| Weight per piece (including packing) | 386.4 g |
| Weight per piece (excluding packing) | 386 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

SACB-8/16-L-PT QO - Distributor box



1175449

<https://www.phoenixcontact.com/us/products/1175449>

Technical data

Notes

| | |
|---------------------|--|
| Assembly note | NOTE: Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending forces are too high. Alleviate mechanical loads upstream of the connector, e.g. by using cable ties. |
| Note on application | Unused slots are to be sealed off prior to commissioning. Suitable sealing elements are to be found under "Accessories". |
| Note on application | Cables with 5 conductors may have a maximum connection cross-section of 0.5 mm ² /20 AWG. |

Product properties

| | |
|---------------------|-----------------|
| Product type | Distributor box |
| Number of positions | 5 |
| Number of slots | 8 |
| LED | yes |

System properties

Local diagnostics

| | |
|------------------------|---------------------------|
| Monitored function | Supply voltage per module |
| Optical representation | Green LED |

Electrical properties

| | |
|---|-------------------------------------|
| Max. operating voltage U_{\max} | 30 V DC |
| Local diagnostics | Supply voltage per module Green LED |
| | Status display I/O Yellow LED |
| Nominal voltage U_N | 24 V DC |
| Rated current, total | 10 A |
| Max. current carrying capacity per path | 2 A |
| Current carrying capacity per slot | 4 A |

Connection data

Conductor connection

| | |
|--|---|
| Sensor/actuator connection system | QUICKON |
| Conductor cross section Flexible signal line | 0.2 mm ² ... 1.5 mm ² |
| Conductor cross section Flexible power supply | 0.2 mm ² ... 1.5 mm ² |
| Connection cross section AWG Flexible signal line | 24 ... 16 |
| Connection cross section AWG Flexible power supply | 24 ... 16 |
| Stripping length Signal line | 8 mm |
| Stripping length of the sheath | 50 mm (Master cable) |
| Tightening torque, cover screw | 0.35 Nm |
| Tightening torque of mounting screw for fixing the housing | 0.5 Nm |
| Tightening torque, union nut | 2.5 Nm |

SACB-8/16-L-PT QO - Distributor box



1175449

<https://www.phoenixcontact.com/us/products/1175449>

Pin assignment

| | |
|--|-----------------------------------|
| 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 (+ 24 V) = U _N |
| | 1-8 / 3 (0 V) = 0 V |
| | 1-8 / 5 (PE) = PE |

Signaling

| | |
|------------------------|-----|
| Status display present | Yes |
|------------------------|-----|

Dimensions

| | |
|------------------------|--------|
| Dimensional drawing | |
| Width | 58 mm |
| Height | 45 mm |
| Length | 168 mm |
| Wrench size, union nut | 16 mm |

Material specifications

| | |
|--|-----|
| Material Housing | PBT |
| Material Molding compound | PUR |
| Flammability rating according to UL 94 | V0 |
| Seal material O-ring | FKM |
| Seal material | FKM |

SACB-8/16-L-PT QO - Distributor box



1175449

<https://www.phoenixcontact.com/us/products/1175449>

| | |
|--|--------------|
| Contact material | Steel/copper |
| Contact surface material | Sn |
| Contact carrier material | PA 6.6 |
| Material of contact, master cable side | CU alloy |
| Material of the contact carrier on the master cable side | PA 6.6 V0 |
| Material of contact surface, master cable side | Sn |

Conductor data

| | |
|--------------------------|------------------------|
| Wire insulation material | PVC / PE / PP / rubber |
|--------------------------|------------------------|

Cable/line

| | |
|-------------------------|--------------------|
| External cable diameter | 7 mm ... 12 mm |
| Connection method | Push-in connection |

Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------|-----------------------------------|
| Degree of protection | IP65 |
| Ambient temperature (operation) | -30 °C ... 80 °C |
| | -5 °C ... 50 °C (During assembly) |

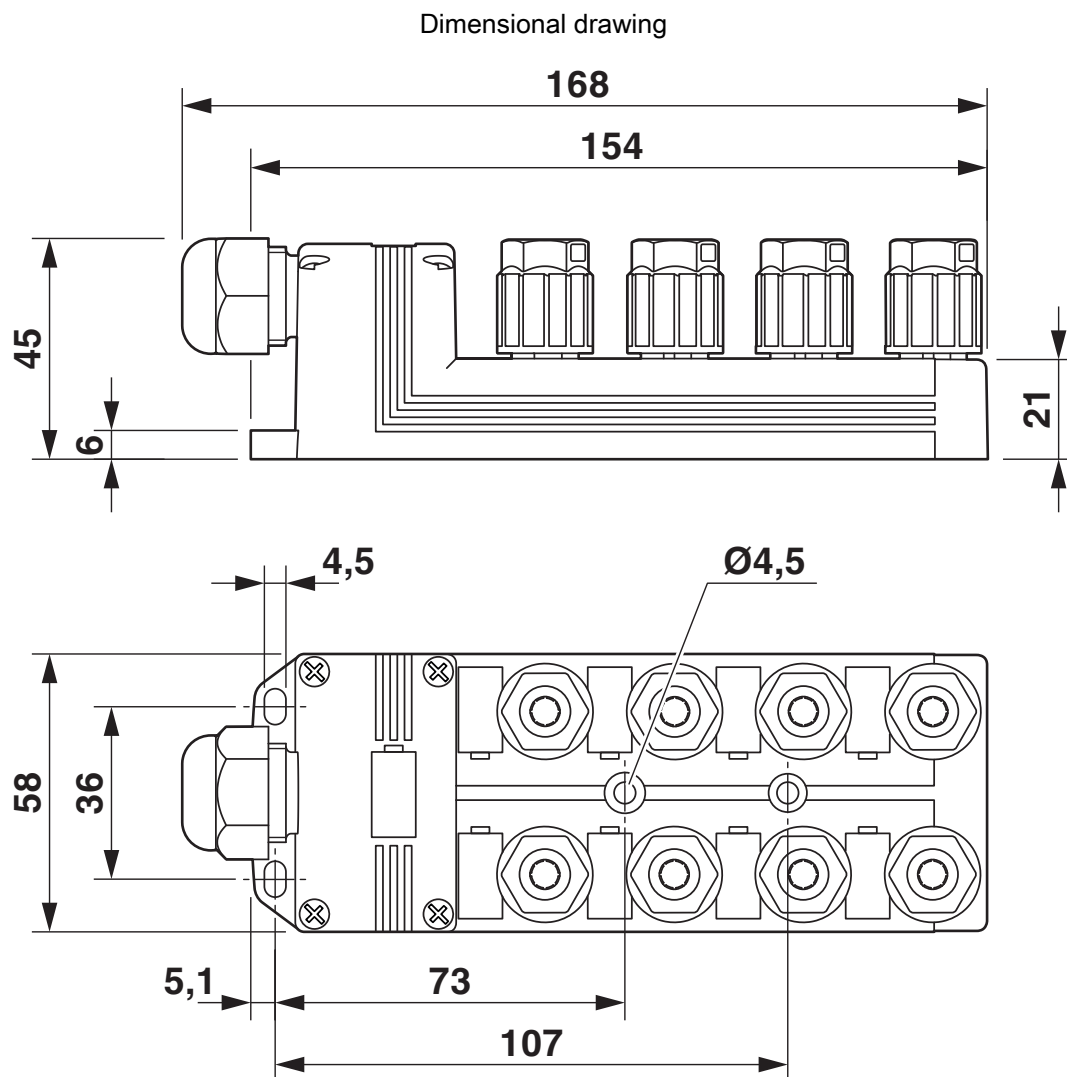
SACB-8/16-L-PT QO - Distributor box



1175449

<https://www.phoenixcontact.com/us/products/1175449>

Drawings

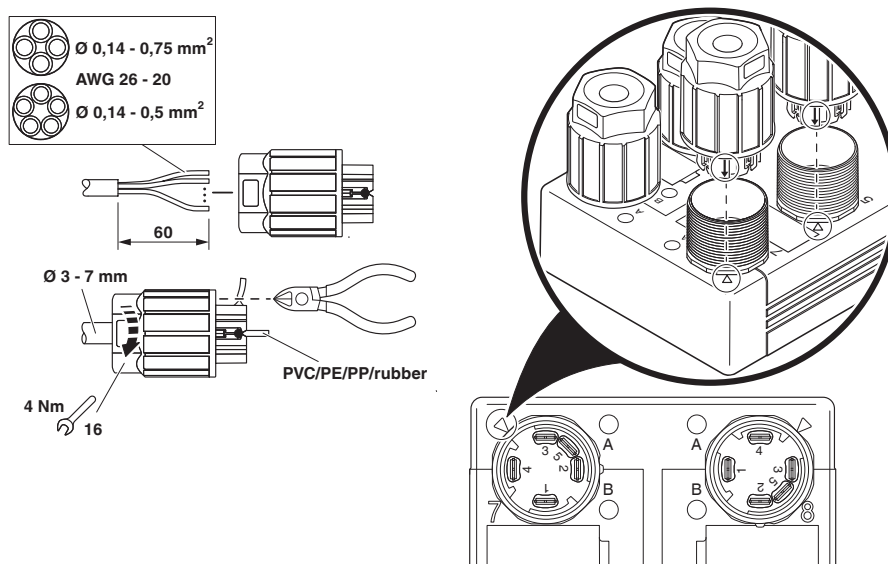


SACB-8/16-L-PT QO - Distributor box

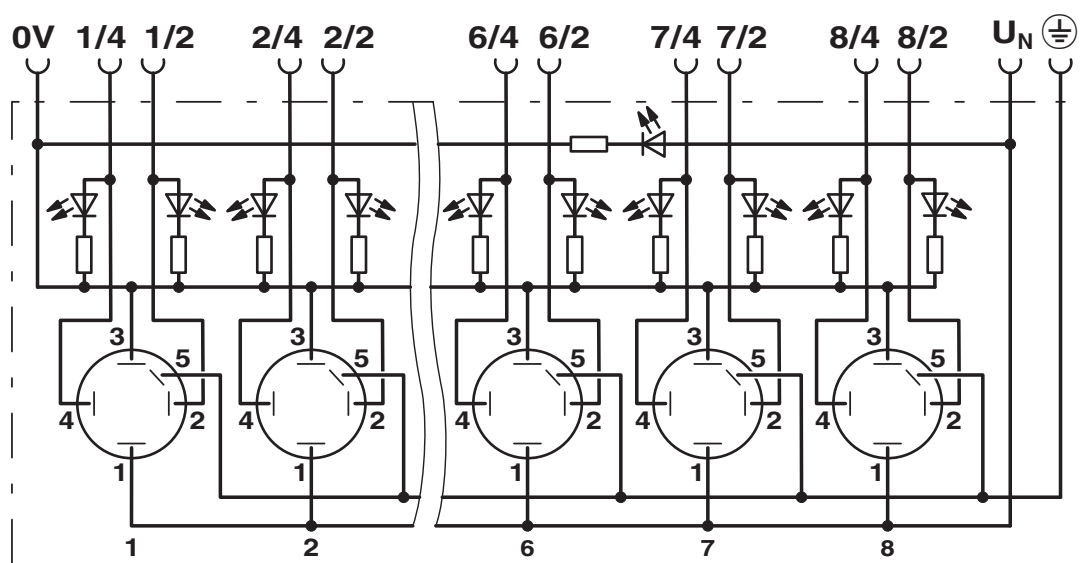
1175449

<https://www.phoenixcontact.com/us/products/1175449>

Functional drawing



Circuit diagram



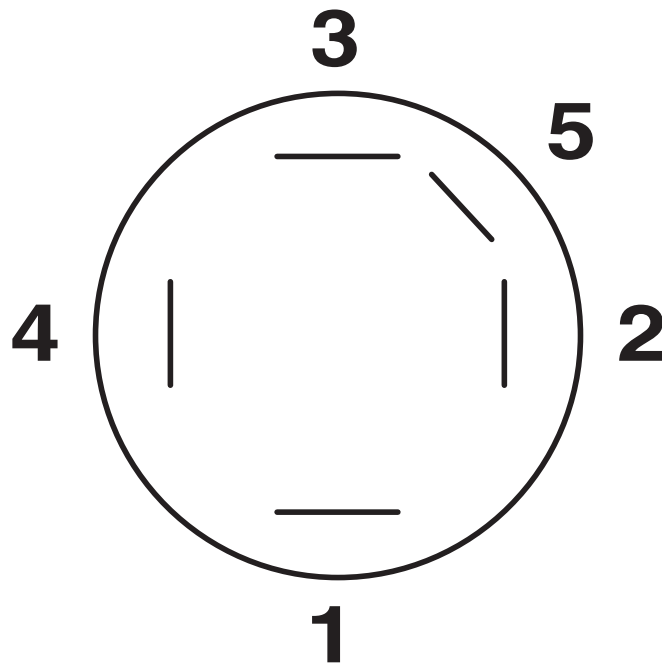
SACB-8/16-L-PT QO - Distributor box

1175449

<https://www.phoenixcontact.com/us/products/1175449>



Schematic diagram



QUICKON connection, 5-pos.

SACB-8/16-L-PT QO - Distributor box



1175449

<https://www.phoenixcontact.com/us/products/1175449>

Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27440111 |
| ECLASS-12.0 | 27440111 |
| ECLASS-13.0 | 27440111 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC003558 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 31251500 |
|-------------|----------|

SACB-8/16-L-PT QO - Distributor box



1175449

<https://www.phoenixcontact.com/us/products/1175449>

Environmental product compliance

| | |
|---|--|
| EU RoHS | |
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
| China RoHS | |
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |
| EU REACH SVHC | |
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |

SACB-8/16-L-PT QO - Distributor box



1175449

<https://www.phoenixcontact.com/us/products/1175449>

Accessories

SACB- 8X0,34/2X0,75-50 PUR - Master cable ring

1517592

<https://www.phoenixcontact.com/us/products/1517592>



Master cable for sensor/actuator boxes, without PE conductor, unshielded, material PUR/PVC, 10-pos., 8 x 0.34 mm² and 2 x 0.75 mm², length: 50 m

Q-PROT 9/11 - Filler plug

1670235

<https://www.phoenixcontact.com/us/products/1670235>



Closing cap for Pg9/Pg11 to close unoccupied connections

SACB-8/16-L-PT QO - Distributor box

1175449

<https://www.phoenixcontact.com/us/products/1175449>



SACB-QO SET - Screw connection set

1293751

<https://www.phoenixcontact.com/us/products/1293751>



QUICKON set for replacement purposes, consisting of splice ring, pressure nut and line seal

UC-EM (17,5X9) - Snap-in markers

0827490

<https://www.phoenixcontact.com/us/products/0827490>



Snap-in markers, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID, BLUEMARK ID COLOR, BLUEMARK CLED, BLUEMARK LED, CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped, lettering field size: 17.5 x 9 mm, Number of individual labels: 20

SACB-8/16-L-PT QO - Distributor box

1175449

<https://www.phoenixcontact.com/us/products/1175449>



UC-EM (17,5X9) CUS - Snap-in markers

0828238

<https://www.phoenixcontact.com/us/products/0828238>

Snap-in markers, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snapped into marker carrier, lettering field size: 17.5 x 9 mm, Number of individual labels: 20



UCT-EM (17,5X9) - Snap-in markers

0801491

<https://www.phoenixcontact.com/us/products/0801491>

Snap-in markers, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, lettering field size: 17.5 x 9 mm, Number of individual labels: 24



SACB-8/16-L-PT QO - Distributor box



1175449

<https://www.phoenixcontact.com/us/products/1175449>

UCT-EM (17,5X9) CUS - Snap-in markers

0801575

<https://www.phoenixcontact.com/us/products/0801575>

UniCard sheet, for labeling devices from other manufacturers, for overview table see download area, labeled according to customer specifications

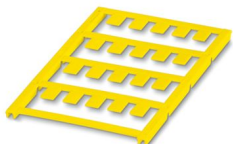


UC-EM (17,5X9) YE - Snap-in markers

0827494

<https://www.phoenixcontact.com/us/products/0827494>

Snap-in markers, Sheet, yellow, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, lettering field size: 17.5 x 9 mm, Number of individual labels: 20



SACB-8/16-L-PT QO - Distributor box

1175449

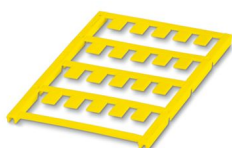
<https://www.phoenixcontact.com/us/products/1175449>



UC-EM (17,5X9) YE CUS - Snap-in markers

0828239

<https://www.phoenixcontact.com/us/products/0828239>



Snap-in markers, can be ordered: by sheet, yellow, labeled according to customer specifications, mounting type: snapped into marker carrier, lettering field size: 17.5 x 9 mm, Number of individual labels: 20

UCT-EM (17,5X9) YE - Snap-in markers

0801492

<https://www.phoenixcontact.com/us/products/0801492>



Snap-in markers, Sheet, yellow, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, lettering field size: 17.5 x 9 mm, Number of individual labels: 24

SACB-8/16-L-PT QO - Distributor box

1175449

<https://www.phoenixcontact.com/us/products/1175449>

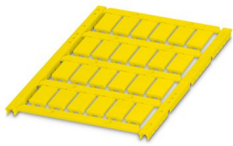


UCT-EM (17,5X9) YE CUS - Snap-in markers

0801576

<https://www.phoenixcontact.com/us/products/0801576>

UniCard sheet, for labeling devices from other manufacturers, for overview table see download area, labeled according to customer specifications



UTA 136 - DIN rail adapter

2853996

<https://www.phoenixcontact.com/us/products/2853996>

Universal DIN rail adapter, for screwing on switchgear



SACB-8/16-L-PT QO - Distributor box

1175449

<https://www.phoenixcontact.com/us/products/1175449>



SZK PZ1 VDE - Screwdriver

1206450

<https://www.phoenixcontact.com/us/products/1206450>



Screwdriver, PZ crosshead, VDE insulated, size: PZ 1 x 80 mm, 2-component grip, with non-slip grip

TSD 25 SAC - Torque screwdriver

1212315

<https://www.phoenixcontact.com/us/products/1212315>



Torque screwdriver, with preset torque of 2.5 Nm and 4 mm hexagonal drive for the pressure nut of the connector hood

SACB-8/16-L-PT QO - Distributor box

1175449

<https://www.phoenixcontact.com/us/products/1175449>



SAC BIT HOOD-W 24 - Tool

1212486

<https://www.phoenixcontact.com/us/products/1212486>

Nut for assembling pressure nuts with 24 mm wrench size, for 4 mm hexagonal drive



SF-BIT-PZ 1-50 - Screw insert

1212591

<https://www.phoenixcontact.com/us/products/1212591>

Screw bit, PZ crosshead, E6.3-1/4" drive, size: PZ 1 x 50 mm, hardened, suitable for holder according to DIN 3126-F6.3/ISO 1173



Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com