# SACB-4/ 8-L-PT QO - Distributor box

1175448

https://www.phoenixcontact.com/us/products/1175448

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 $mm^2$ ... 0.5 $mm^2$, number of slots: 4, 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 $mm^2$ 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 | 1175448 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF41 |
| Product key | AF3DBC |
| GTIN | 4063151205362 |
| Weight per piece (including packing) | 251 g |
| Weight per piece (excluding packing) | 22.22 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

## Technical data

### Notes

| | |
|---|---|
| Assembly note | NOTE: Observe the permissible bending radii when routing cables, since the degree of protection may be at risk if the bending forces are too high. Reduce 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 mm²/20 AWG. |

### Product properties

| | |
|---|---|
| Product type | Distributor box |
| Number of positions | 5 |
| Number of slots | 4 |
| 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 | 0.14 mm² ... 0.5 mm² |
| Conductor cross-section Flexible power supply | 0.14 mm² ... 0.5 mm² |
| Connection cross section AWG Flexible signal line | 26 ... 20 |
| Connection cross section AWG Flexible power supply | 26 ... 20 |
| 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 | 4 Nm |

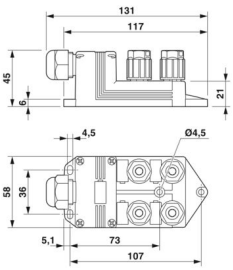
Connection assignment

| | |
|---|---|
| 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 |
| | 1-4 / 1 (+ 24 V) = $U_N$ |
| | 1-4 / 3 (0 V) = 0 V |
| | 1-4 / 5 (PE) = PE |

## Signaling

| | |
|---|---|
| Status display present | yes |

## Dimensions

| | |
|---|---|
| Dimensional drawing |  |
| Width | 58 mm |
| Height | 45 mm |
| Length | 131 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 | FKM (Master cable side) |
| | FKM (Conductor connection) |
| 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 |
| Wire insulation material | PVC / PE / PP / rubber |

## Cable/line

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

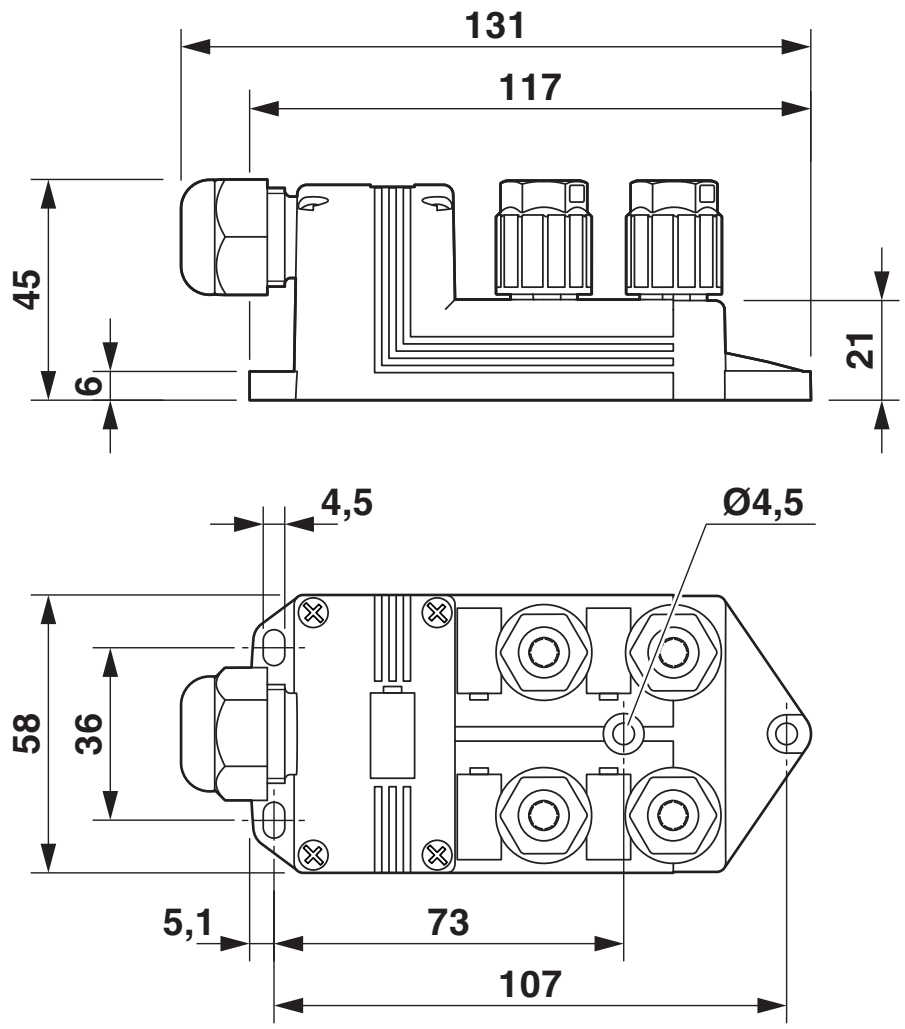
## Environmental and real-life conditions

### Ambient conditions

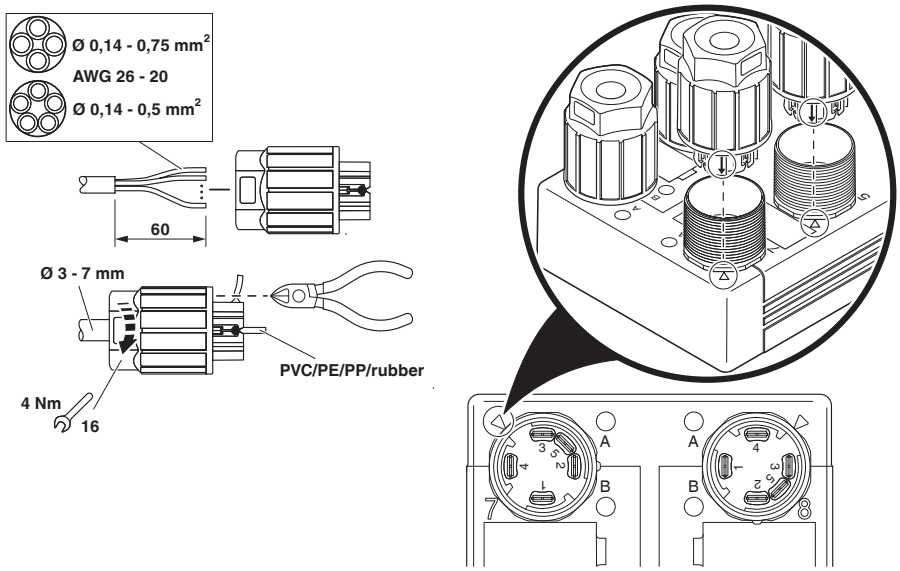
| | |
|---|---|
| Degree of protection | IP65 |
| Ambient temperature (operation) | -30 °C ... 80 °C |
| | -5 °C ... 50 °C (During assembly) |

## Drawings

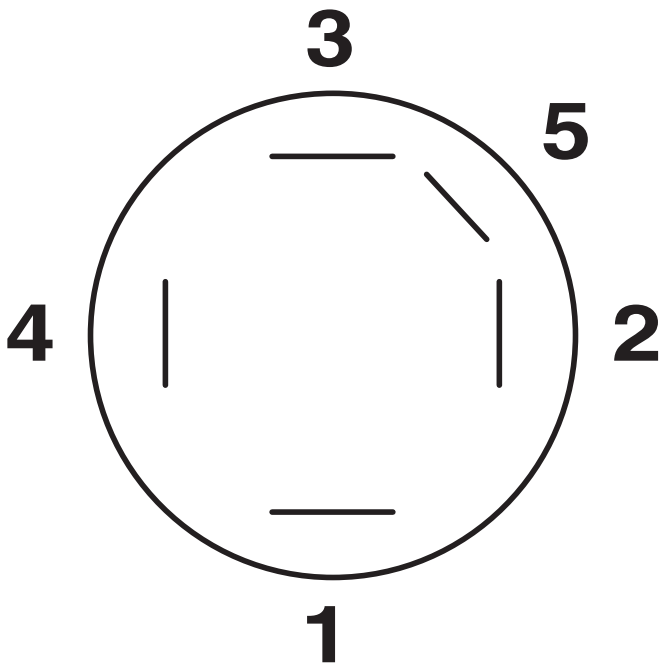
Dimensional drawing



Functional drawing

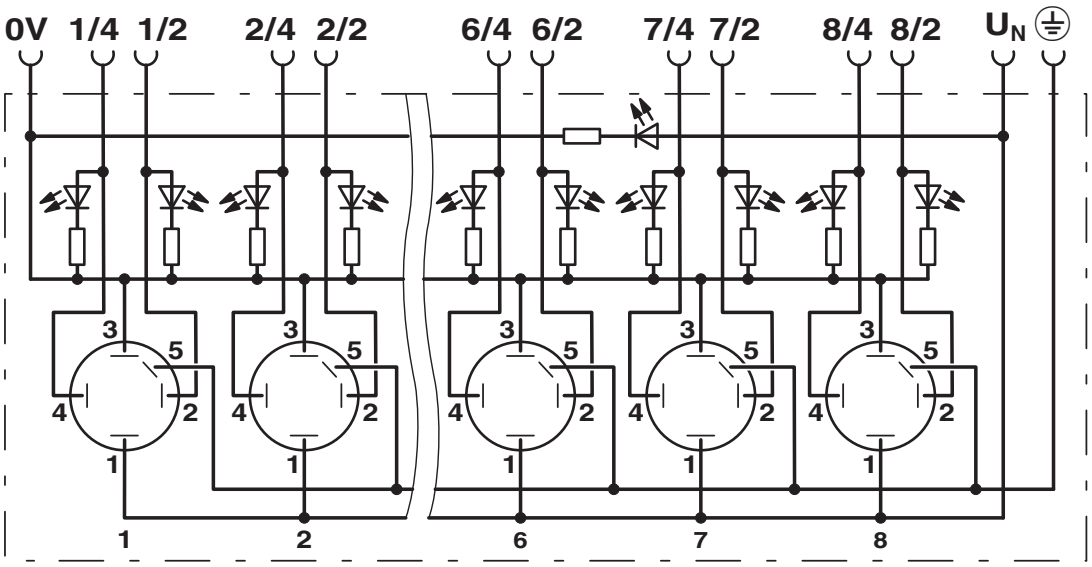



Schematic diagram




QUICKON connection, 5-pos.

Circuit diagram



## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27440111 |
| ECLASS-15.0 | 27440111 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC003558 |

### UNSPSC

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

## 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% |


Phoenix Contact 2026 © - 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