

SACB-4/ 8-SC SCO P - Distributor box



1452932

<https://www.phoenixcontact.com/us/products/1452932>

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Distributor box, application: Standard, connection method: M12-SPEEDCON-socket Plastic, number of slots: 4, number of positions: 5, coding: A, slot assignment: Double, status display: No, Universal; master cable connection: Spring-cage connection 180°, shielding: no

Your advantages

- Safety in the field, thanks to molded housing and high degree of protection
- Save space: distributor box with double occupancy for two sensors in one slot
- Save time, thanks to installation with SPEEDCON fast locking system
- Flexible: distributor box with connector hood for on-site assembly

Commercial data

| | |
|--------------------------------------|---------------------|
| Item number | 1452932 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF41 |
| Product key | BF3CBC |
| Catalog page | Page 262 (C-2-2019) |
| GTIN | 4046356553551 |
| Weight per piece (including packing) | 158.3 g |
| Weight per piece (excluding packing) | 155.7 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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Technical data

Notes

| | |
|---------|---|
| General | When connecting the signal lines to the black PCB terminal blocks, please use a 0.4 x 2.0 mm screwdriver. The black PCB terminal blocks only require a minimal amount of operating force. Screwdriver: SZS 0,4X2,0 - 1205202 Using larger screwdrivers or excessive force may damage the PCB terminal blocks. When using ferrules, the wires can be inserted straight into the PCB terminal blocks without opening the clamping area. |
| General | 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. |
| General | Unused slots are to be sealed off prior to commissioning. Suitable sealing elements are to be found under "Accessories". |

Product properties

| | |
|---------------------|-----------------|
| Product type | Distributor box |
| Number of positions | 5 |
| Application | Standard |
| Number of slots | 4 |
| Coding | A |
| LED | No |

Electrical properties

| | |
|---|----------|
| Nominal voltage U_N | 120 V AC |
| | 120 V DC |
| Rated current, total | 12 A |
| Max. current carrying capacity per path | 2 A |
| Current carrying capacity per slot | 4 A |

Connection data

Conductor connection

| | |
|--|---|
| Sensor/actuator connection system | M12-SPEEDCON-socket |
| Conductor cross section Flexible signal line | 0.2 mm ² ... 0.5 mm ² |
| Conductor cross section Flexible power supply | 0.2 mm ² ... 1.5 mm ² |
| Connection cross section AWG Flexible signal line | 24 ... 20 |
| Connection cross section AWG Flexible power supply | 24 ... 16 |
| Tightening torque, cover screw | 1 Nm |
| Tightening torque slot sensor/actuator cable | 0.4 Nm |
| Tightening torque of mounting screw for fixing the housing | 0.5 Nm |
| Tightening torque, union nut | 2.5 Nm |

Pin assignment

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| | |
|--|------------------------|
| Slot/position = Wire color or connection | 1 / 4 (A) = WH |
| | 1 / 2 (B) = GYPK |
| | 2 / 4 (A) = GN |
| | 2 / 2 (B) = RDBU |
| | 3 / 4 (A) = YE |
| | 3 / 2 (B) = WHGN |
| | 4 / 4 (A) = GY |
| | 4 / 2 (B) = BNGN |
| | 1-4 / 1 (+ 120 V) = BN |
| | 1-4 / 3 (0 V) = BU |
| | 1-4 / 5 (PE) = GNYE |

Signaling

| | |
|------------------------|----|
| Status display present | No |
|------------------------|----|

Dimensions

| | |
|---------------------|--------|
| Dimensional drawing | |
| Width | 54 mm |
| Height | 42 mm |
| Length | 117 mm |

Material specifications

| | |
|--|-------------|
| Material Threaded sleeve | PBT |
| Material Housing | PBT |
| Material Molding compound | PUR |
| Flammability rating according to UL 94 | V0 |
| Seal material O-ring | NBR |
| Contact material | Cu alloy |
| Contact surface material | gold-plated |
| Contact carrier material | PA |

Cable/line

| | |
|-----------------------------|------------------------|
| External cable diameter () | 7 mm ... 12 mm |
| Connection method | Spring-cage connection |

Environmental and real-life conditions

| |
|--------------------|
| Ambient conditions |
|--------------------|

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| | |
|---------------------------------|------------------|
| Degree of protection | IP65 |
| | IP67 |
| Ambient temperature (operation) | -25 °C ... 80 °C |

Standards and regulations

| | |
|--------------------------|-----------------|
| Standard designation | M12 connector |
| Standards/specifications | IEC 61076-2-101 |

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Classifications

ECLASS

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

ETIM

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

UNSPSC

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

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Environmental product compliance

| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

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