

SACB-8/16-L- 5,0PVC FB - Distributor box



1555541

<https://www.phoenixcontact.com/us/products/1555541>

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Distributor box, application: Food processing industry, connection method: M12 socket
Stainless steel, number of slots: 8, number of positions: 5, coding: A, slot assignment: Double,
status display: Yes, PNP; master cable connection: Fixed connection 180°, PVC, cable length:
5 m, shielding: no

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
- Save space: distributor box with double occupancy for two sensors in one slot

Commercial data

| | |
|--------------------------------------|---------------------|
| Item number | 1555541 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF44 |
| Product key | BF3EAA |
| Catalog page | Page 146 (C-4-2013) |
| GTIN | 4046356170529 |
| Weight per piece (including packing) | 1,458 g |
| Weight per piece (excluding packing) | 1,458 g |
| Customs tariff number | 85444290 |
| Country of origin | DE |

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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". |

Product properties

| | |
|---------------------|--------------------------|
| Product type | Distributor box |
| Application | Food processing industry |
| Number of positions | 5 |
| Number of slots | 8 |
| Coding | A |
| LED | yes |

System properties

Local diagnostics

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

Electrical properties

| | |
|---|-------------------------------|
| Max. operating voltage U_{max} | 30 V DC |
| Local diagnostics | Supply voltage Green LED |
| | Status display I/O Yellow LED |
| Nominal voltage U_N | 24 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 socket |
| Tightening torque slot sensor/actuator cable | 0.4 Nm |

Pin assignment

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

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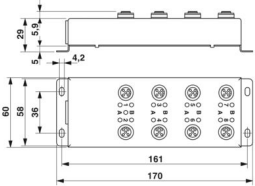
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| | |
|--|-----------------------|
| | 4 / 4 (A) = GY |
| | 4 / 2 (B) = BNGN |
| | 5 / 4 (A) = PK |
| | 5 / 2 (B) = WHYE |
| | 6 / 4 (A) = RD |
| | 6 / 2 (B) = YEBN |
| | 7 / 4 (A) = BK |
| | 7 / 2 (B) = WHGY |
| | 8 / 4 (A) = VT |
| | 8 / 2 (B) = GYBN |
| | 1-8 / 1 (+ 24 V) = BN |
| | 1-8 / 3 (0 V) = BU |
| | 1-8 / 5 (PE) = GNYE |

Signaling

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

Dimensions

| | |
|---------------------|--|
| Dimensional drawing |  |
| Width | 60 mm |
| Height | 34.9 mm |
| Length | 170 mm |

Material specifications

| | |
|---------------------------|------------------------|
| Material Threaded sleeve | Stainless steel 1.4404 |
| Material Housing | Stainless steel 1.4404 |
| Material Molding compound | PUR |
| Seal material O-ring | FKM |
| Contact material | CuSn6 |
| Contact surface material | gold-plated |
| Contact carrier material | PBT |

Cable/line

| | |
|--|-------------------------|
| Cable length | 5 m |
| Connection method | Fixed connection |
| Outside diameter | 10.5 mm |
| Conductor cross section signal conductor | 16x 0.5 mm ² |
| Conductor structure signal line | 64x 0.10 mm |
| AWG signal line | 20 |

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| | |
|--|--|
| Conductor cross section voltage supply | 3x 1 mm ² |
| Conductor structure, voltage supply | 128x 0.10 mm |
| AWG power supply | 17 |
| Number of bending cycles | 1000000 |
| Traversing rate | 3 m/s |
| Traversing path | 5 m |
| Ambient temperature (operation) | -40 °C ... 90 °C (for fixed installation) -5 °C ... 80 °C (for flexible installation) |

Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------|-----------------------|
| Degree of protection | IP65 IP67 IP69K |
| Ambient temperature (operation) | -30 °C ... 80 °C |

Standards and regulations

M12

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

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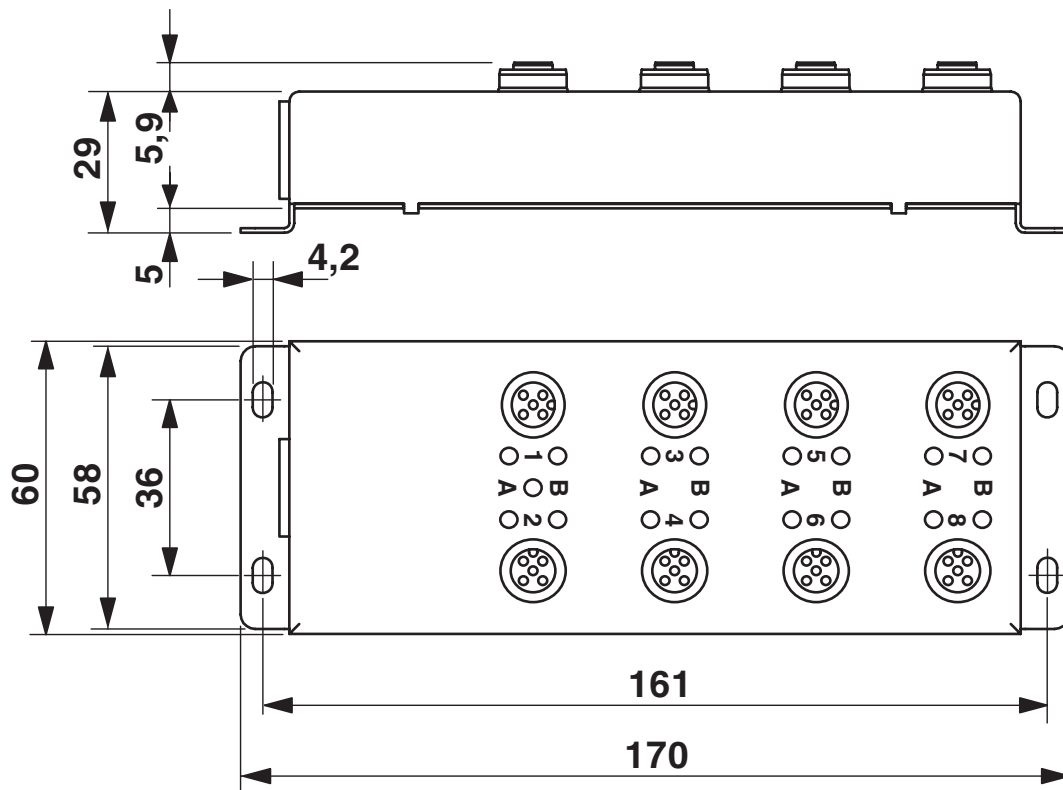


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Drawings

Dimensional drawing



Dimensional drawing

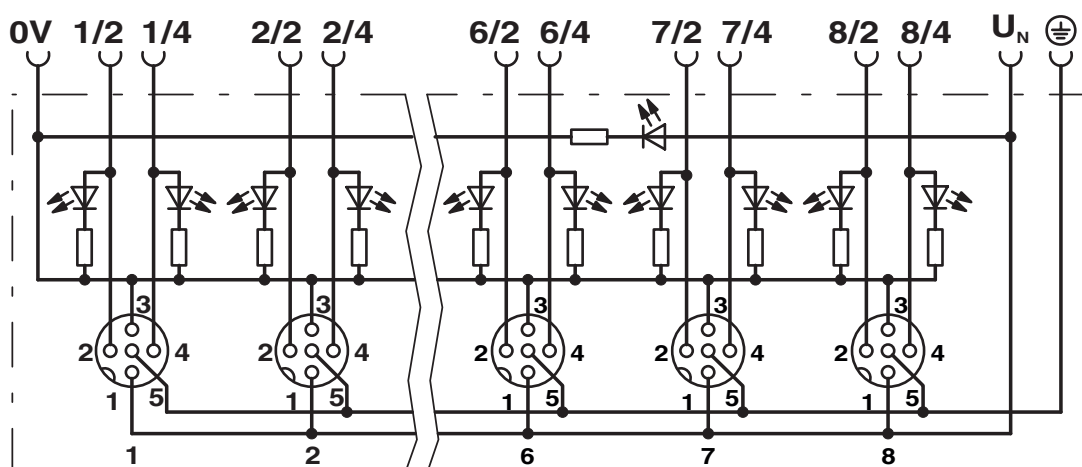
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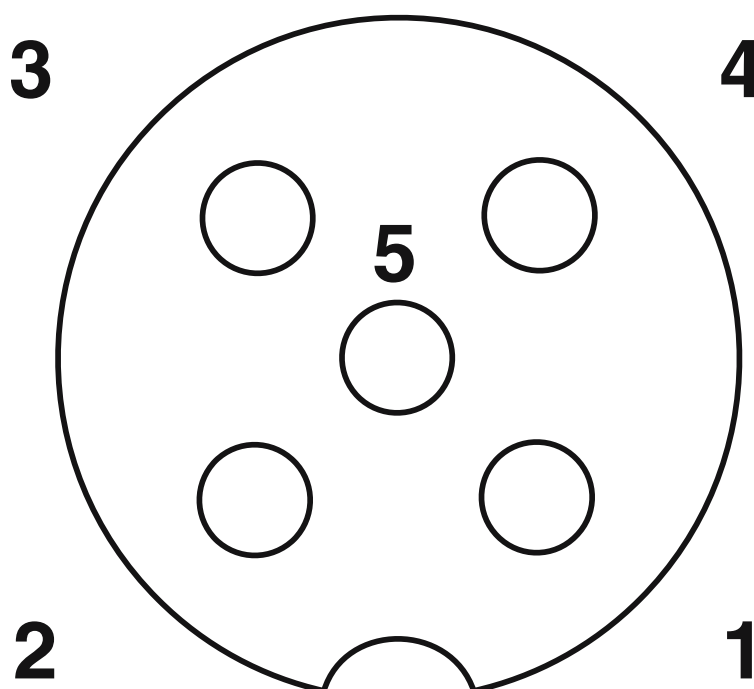
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Circuit diagram



Schematic diagram



Pin assignment M12 socket, 5-pos., A-coded, socket side view

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27440108 |
| ECLASS-12.0 | 27440108 |
| ECLASS-13.0 | 27440108 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC002585 |
|----------|----------|

UNSPSC

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

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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% |
|-------------------------------------|----------------------------|

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