# SACB-6/12-M23 - Distributor box

1692828

https://www.phoenixcontact.com/us/products/1692828

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Distributor box, application: Standard, connection method: M12 socket Plastic, number of slots: 6, number of positions: 5, coding: A, slot assignment: Double, status display: no, Universal; master cable connection: M23 plug connection 90°, 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

## Commercial data

| | |
|---|---|
| Item number | 1692828 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF41 |
| Product key | AF3CBB |
| GTIN | 4017918177959 |
| Weight per piece (including packing) | 134.8 g |
| Weight per piece (excluding packing) | 112.62 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". |

### Product properties

| | |
|---|---|
| Product type | Distributor box |
| Application | Standard |
| Number of positions | 5 |
| Number of slots | 6 |
| Coding | A |
| LED | no |

### Electrical properties

| | |
|---|---|
| Max. operating voltage $U_{max}$ | 135 V |
| 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 socket |
| Tightening torque slot sensor/actuator cable | 0.4 Nm |

#### Connection assignment

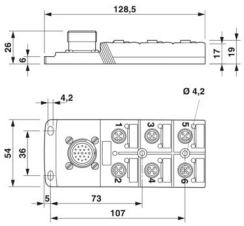
| | |
|---|---|
| Slot/position = Wire color or connection | 1 / 4 (A) = 15 |
| | 1 / 2 (B) = 7 |
| | 2 / 4 (A) = 5 |
| | 2 / 2 (B) = 4 |
| | 3 / 4 (A) = 16 |
| | 3 / 2 (B) = 8 |
| | 4 / 4 (A) = 3 |
| | 4 / 2 (B) = 14 |
| | 5 / 4 (A) = 17 |
| | 5 / 2 (B) = 9 |
| | 6 / 4 (A) = 2 |
| | 6 / 2 (B) = 13 |

| | |
|---|---|
| | 1-6 / 1 (+ 120 V) = 19 |
| | 1-6 / 3 (0 V) = 6 |
| | 1-6 / 5 (PE) = 12 |

## Signaling

| | |
|---|---|
| Status display present | no |

## Dimensions

| | |
|---|---|
| Dimensional drawing |   |
| Width | 54 mm |
| Height | 26 mm |
| Length | 129 mm |

## Material specifications

| | |
|---|---|
| Material Threaded sleeve | PA |
| Material Housing | PA |
| Flammability rating according to UL 94 | V0 |
| Material grommet GRP | NBR |
| Contact material | CuSn |
| Contact surface material | Ni/Au |
| Contact carrier material | PA |
| Material of contact, master cable side | CU alloy |
| Material of the contact carrier on the master cable side | PA |
| Material of contact surface, master cable side | gold-plated |

## Cable/line

| | |
|---|---|
| Connection method | M23 plug connection |

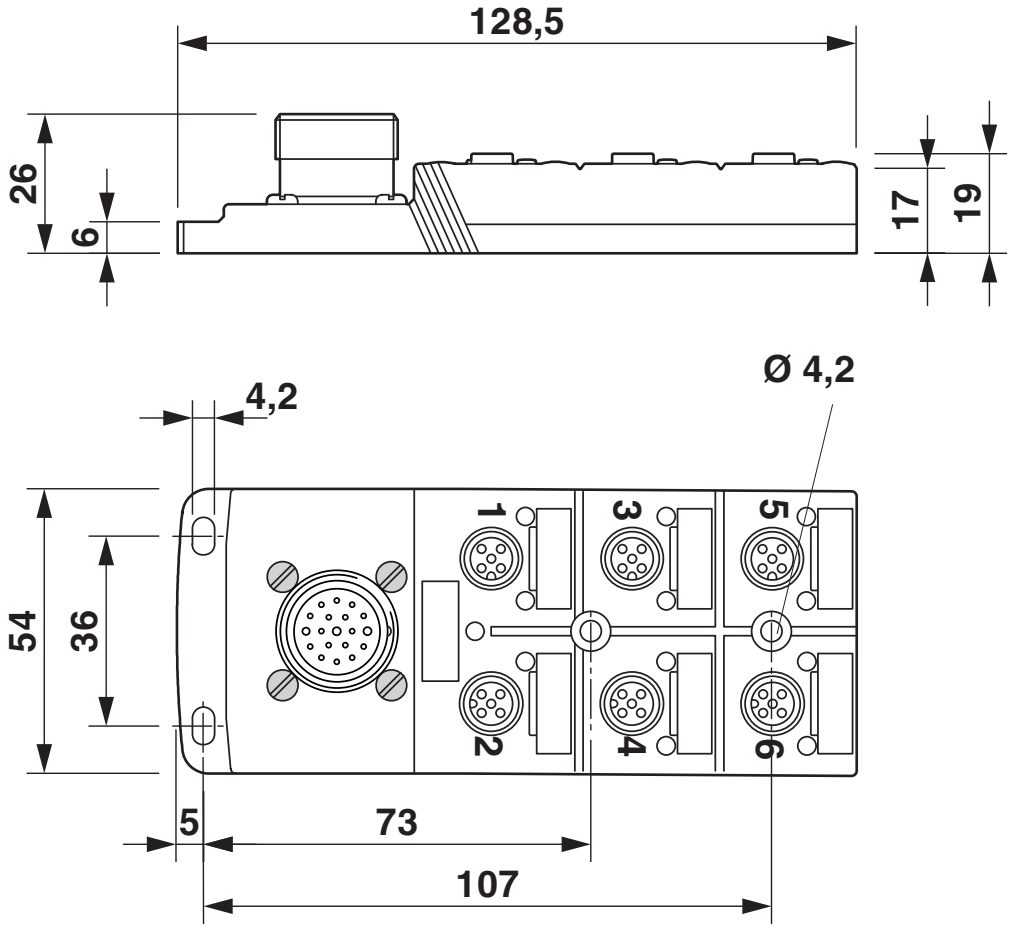
## Environmental and real-life conditions

### Ambient conditions

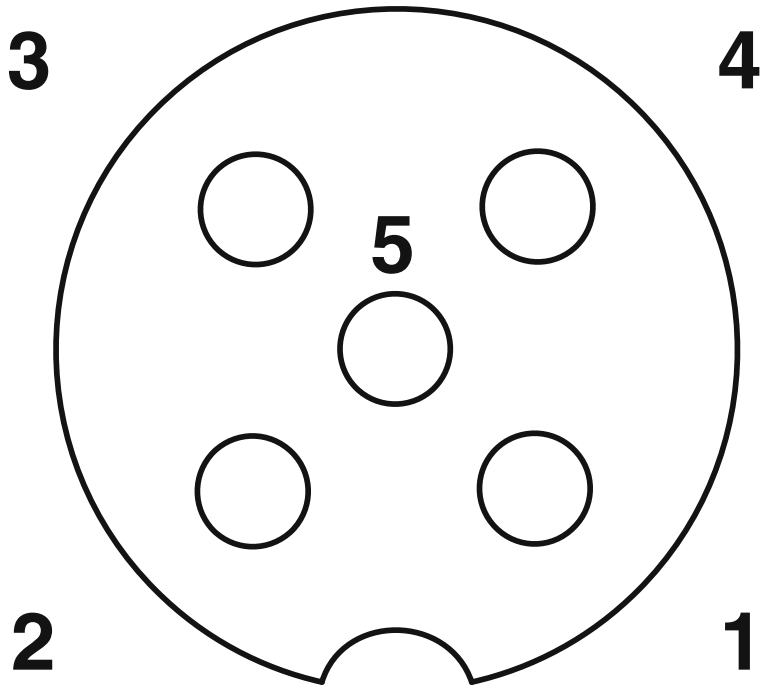
| | |
|---|---|
| Degree of protection | IP65 |
| | IP67 |
| Ambient temperature (operation) | -20 °C ... 75 °C |

## Drawings

Dimensional drawing

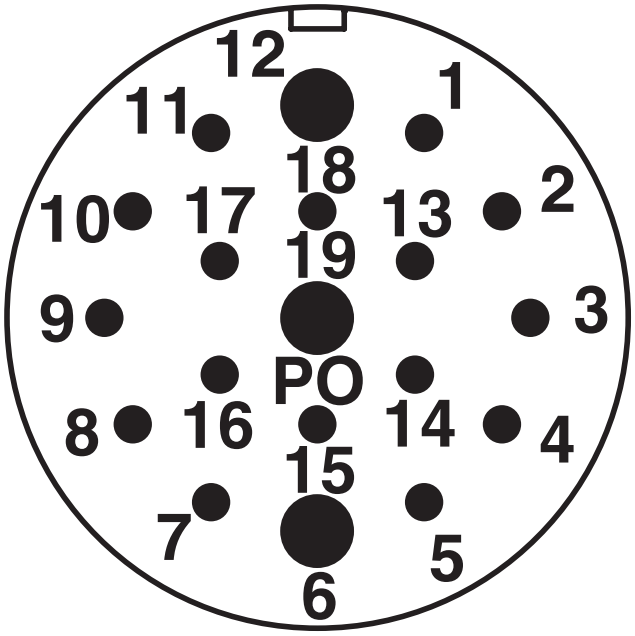


Schematic diagram



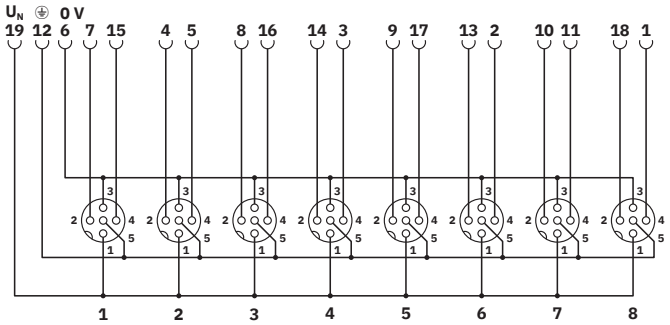

M12 slot, socket, 5-pos.

Schematic diagram




M23 plug connection pin, 19-pos.

## Circuit diagram



## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1692828

**cUL Recognized**
Approval ID: E118976

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 120 V | - | 22 - 16 | - |

**UL Recognized**
Approval ID: E118976

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 120 V | - | 22 - 16 | - |

## 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 |
| Exemption | 6(c) |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | 0504c29d-cd6a-4205-98d6-fb2585ac3c8c |

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