# SACB-6/ 6-L-M23 P12 - Distributor box

1491728

https://www.phoenixcontact.com/ca/products/1491728

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Distributor box, application: Standard, connection method: M12 socket / M12 PUSH-PULL female connector, number of slots: 6, number of positions: 4, coding: A, slot assignment: single, status display: yes, PNP; master cable connection: M23 plug-in connection (for standard and ONECLICK fast-locking system) 90°, shielding: no

## Your advantages

- Safety in the field, thanks to molded housing and high degree of protection
- Fast, secure installation of connectors with the push-pull fast-locking system in accordance with IEC 61076-2-010

## Commercial data

| | |
|---|---|
| Item number | 1491728 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Product key | AF3CBB |
| GTIN | 4063151939953 |
| Weight per piece (including packing) | 232 g |
| Weight per piece (excluding packing) | 225 g |
| 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 | An O-ring is required when using an M23 screw connector. |

## Product properties

| | |
|---|---|
| Product type | Distributor box |
| Application | Standard |
| Number of positions | 4 |
| Number of slots | 6 |
| Coding | A |

## Electrical properties

| | |
|---|---|
| Max. operating voltage $U_{max}$ | 30 V DC |
| 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 |

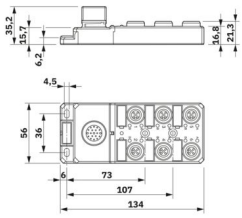
### Connection assignment

| | |
|---|---|
| Slot/position = Wire color or connection | 1 / 4 (A) = 1 |
| | 2 / 4 (A) = 2 |
| | 3 / 4 (A) = 3 |
| | 4 / 4 (A) = 4 |
| | 5 / 4 (A) = 5 |
| | 6 / 4 (A) = 6 |
| | 1-6 / 1 (+ 24 V) = 11 |
| | 1-6 / 3 (0 V) = 9+10 |
| | 1-6 / 5 (PE) = 12 |

## Signaling

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

## Dimensions

| | |
|---|---|
| Dimensional drawing |  |
| Width | 56 mm |
| Height | 35.2 mm |
| Length | 134 mm |

## Material specifications

| | |
|---|---|
| Material Housing | PBT |
| Flammability rating according to UL 94 | V0 |
| Seal material | FKM |
| Contact material | CuSn |
| Contact surface material | Ni/Au |
| Contact carrier material | PA |
| Material of contact, master cable side | CU alloy |
| Material of contact surface, master cable side | gold-plated |

## Cable/line

| | |
|---|---|
| Connection method | M23 plug-in connection (for standard and ONECLICK fast-locking system) |

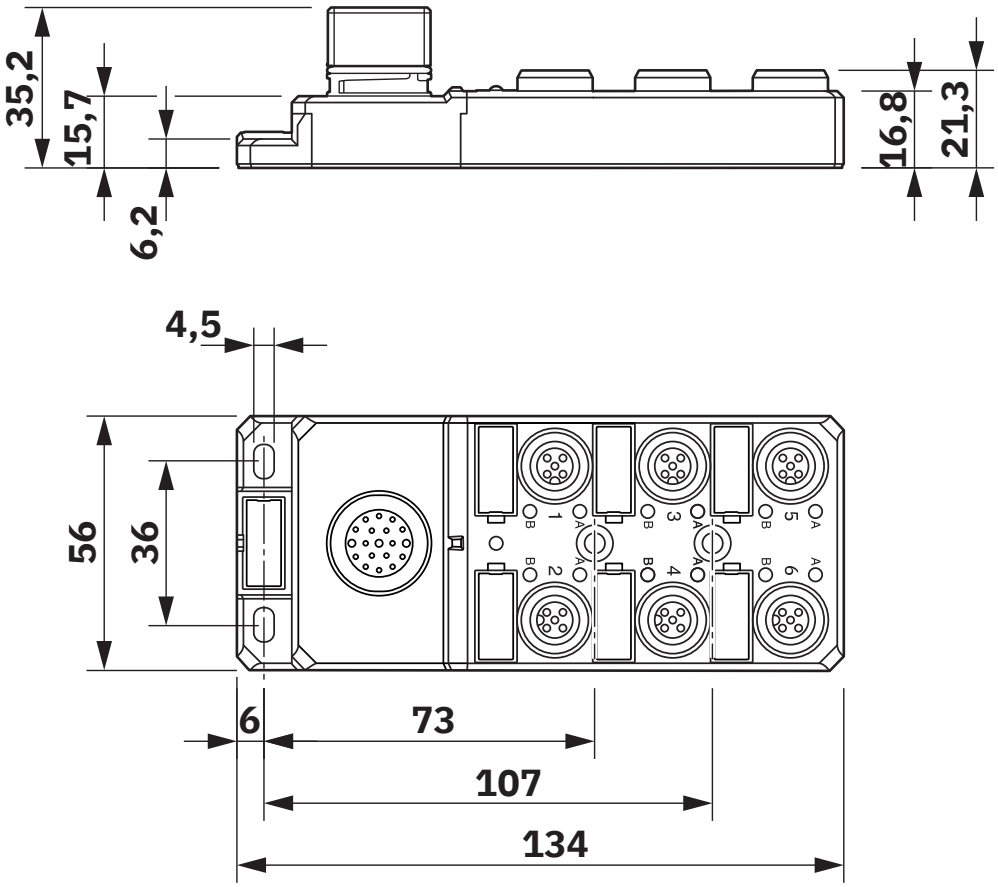
## Environmental and real-life conditions

Ambient conditions

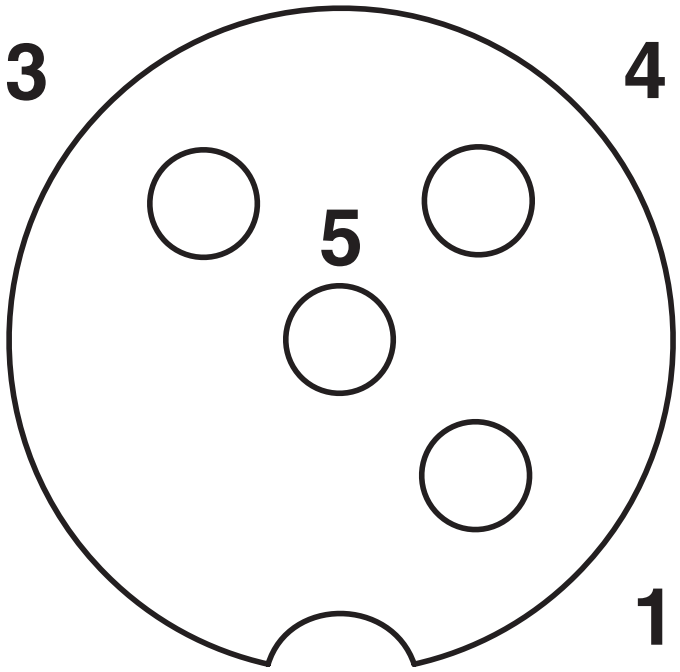
| | |
|---|---|
| Degree of protection | IP65 |
| | IP67 |
| Ambient temperature (operation) | -25 °C ... 80 °C |

## Drawings

Dimensional drawing

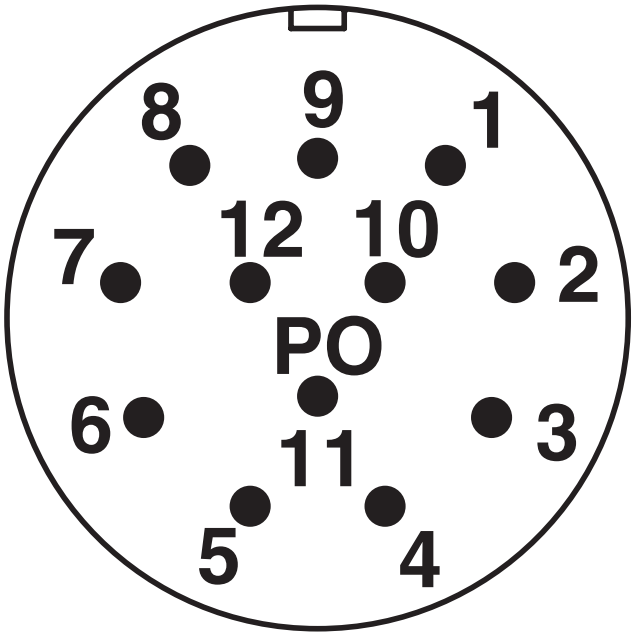


Schematic diagram




M12 slot, socket, 4-pos.

Schematic diagram




M23 plug connection pin, 12-pos.

## Classifications

### ECLASS

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

### ETIM

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

## 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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PHOENIX CONTACT Ltd
8240 Parkhill Drive
Milton, Ontario L9T 5V7
1-800-890-2820
cdinfo@phoenixcontact.ca