

# SACB-6/12-L-M23 P12 - Distributor box



1491733

<https://www.phoenixcontact.com/ca/products/1491733>

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Distributor box, application: Standard, connection method: M12 socket / M12 PUSH-PULL female connector, number of slots: 6, number of positions: 5, coding: A, slot assignment: Double, 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
- Save space: distributor box with double occupancy for two sensors in one slot

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1491733       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Product key                          | AF3CBB        |
| GTIN                                 | 4063151937171 |
| Weight per piece (including packing) | 237.2 g       |
| Weight per piece (excluding packing) | 237.2 g       |
| Country of origin                    | DE            |

## Technical data

### Notes

|                     |                                                                                                                                                                                                                                         |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Assembly note       | <b>NOTE:</b> 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 | 5               |
| 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) = 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 (+ 24 V) = 19 |
|                                          | 1-6 / 3 (0 V) = 6     |

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1-6 / 5 (PE) = 12

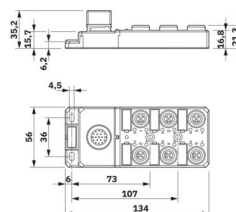
## Signaling

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

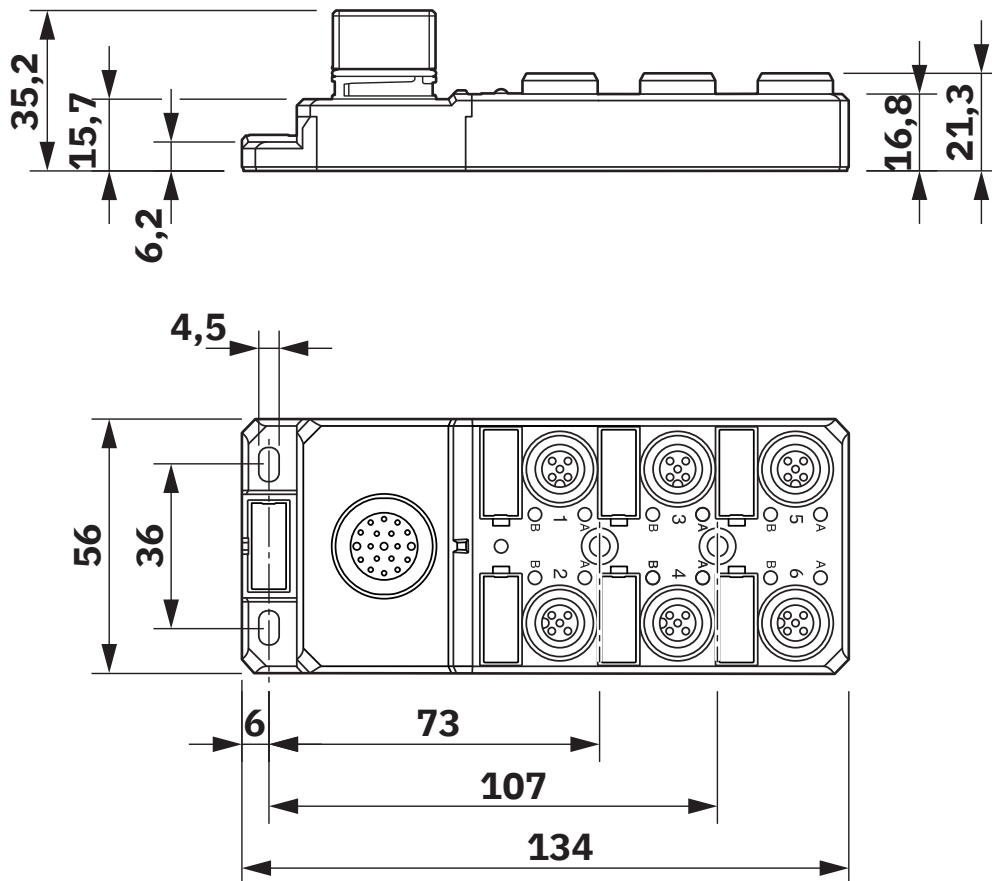
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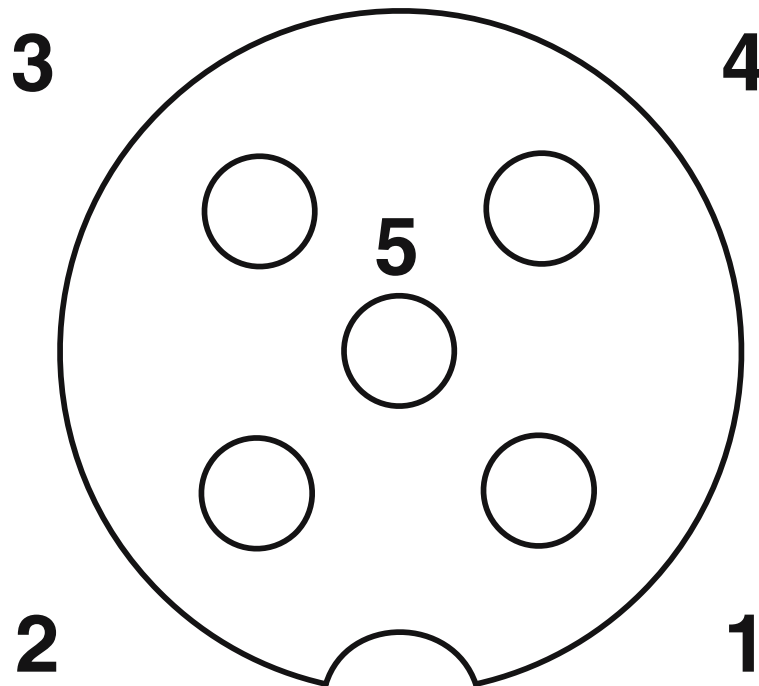
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## Drawings

Dimensional drawing

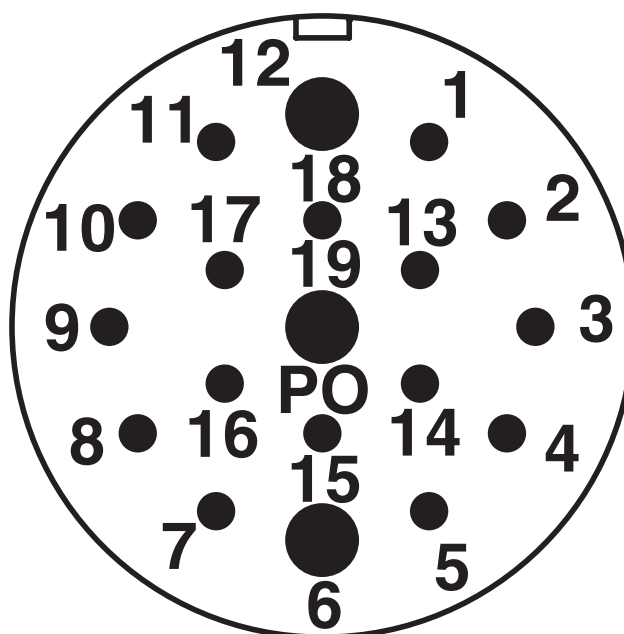


Schematic diagram



M12 slot, socket, 5-pos.

Schematic diagram



M23 plug connection pin, 19-pos.

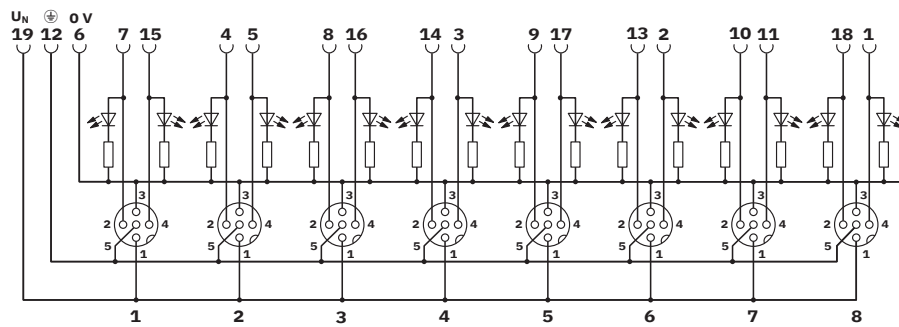
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Circuit diagram



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## Classifications

### ECLASS

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

### ETIM

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

### 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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