

# SACB-8/16-M23 P12 SH - Distributor box



1155996

<https://www.phoenixcontact.com/in/products/1155996>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Distributor box, application: Standard, extended requirements, connection method: M12 socket Metal / M12 PUSH-PULL female connector, number of slots: 8, number of positions: 5, coding: A, slot assignment: Double, status display: no, Universal; master cable connection: M23 plug connection 180°, shielding: yes

## 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
- Reliable signal transmission – 360° shielding in environments with electromagnetic interference

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1155996       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | *****         |
| Product key                          | AF3CDB        |
| GTIN                                 | 4063151158835 |
| Weight per piece (including packing) | 603.5 g       |
| Weight per piece (excluding packing) | 554 g         |
| Customs tariff number                | 85366990      |
| 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, extended requirements |
| Number of positions | 5                               |
| Number of slots     | 8                               |
| Coding              | A                               |

### Electrical properties

|                                         |                    |
|-----------------------------------------|--------------------|
| Nominal voltage $U_N$                   | 48 V AC            |
|                                         | 60 V DC            |
| Rated current, total                    | 10 A (up to 40 °C) |
| 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 |
|                                          | 7 / 4 (A) = 11 |

# SACB-8/16-M23 P12 SH - Distributor box



1155996

<https://www.phoenixcontact.com/in/products/1155996>

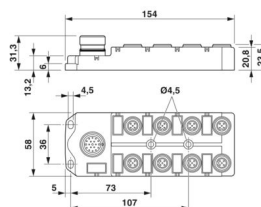
|                       |
|-----------------------|
| 7 / 2 (B) = 10        |
| 8 / 4 (A) = 1         |
| 8 / 2 (B) = 18        |
| 1-8 / 1 (+ 48 V) = 19 |
| 1-8 / 3 (0 V) = 6     |
| 1-8 / 5 (PE) = 12     |

## Signaling

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

## Dimensions

Dimensional drawing



|        |        |
|--------|--------|
| Width  | 58 mm  |
| Height | 36 mm  |
| Length | 160 mm |

## Material specifications

|                                                          |               |
|----------------------------------------------------------|---------------|
| Material Threaded sleeve                                 | Die-cast zinc |
| Material Housing                                         | Die-cast zinc |
| Material Molding compound                                | PUR           |
| Flammability rating according to UL 94                   | V0            |
| Seal material O-ring                                     | FKM           |
| Contact material                                         | Cu alloy      |
| Contact surface material                                 | gold-plated   |
| Contact carrier material                                 | PA            |
| Material of contact, master cable side                   | CU alloy      |
| Material of the contact carrier on the master cable side | PBT           |
| 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             |
| Ambient temperature (operation) | -25 °C ... 70 °C |

## Standards and regulations

# SACB-8/16-M23 P12 SH - Distributor box



1155996

<https://www.phoenixcontact.com/in/products/1155996>

## M12

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

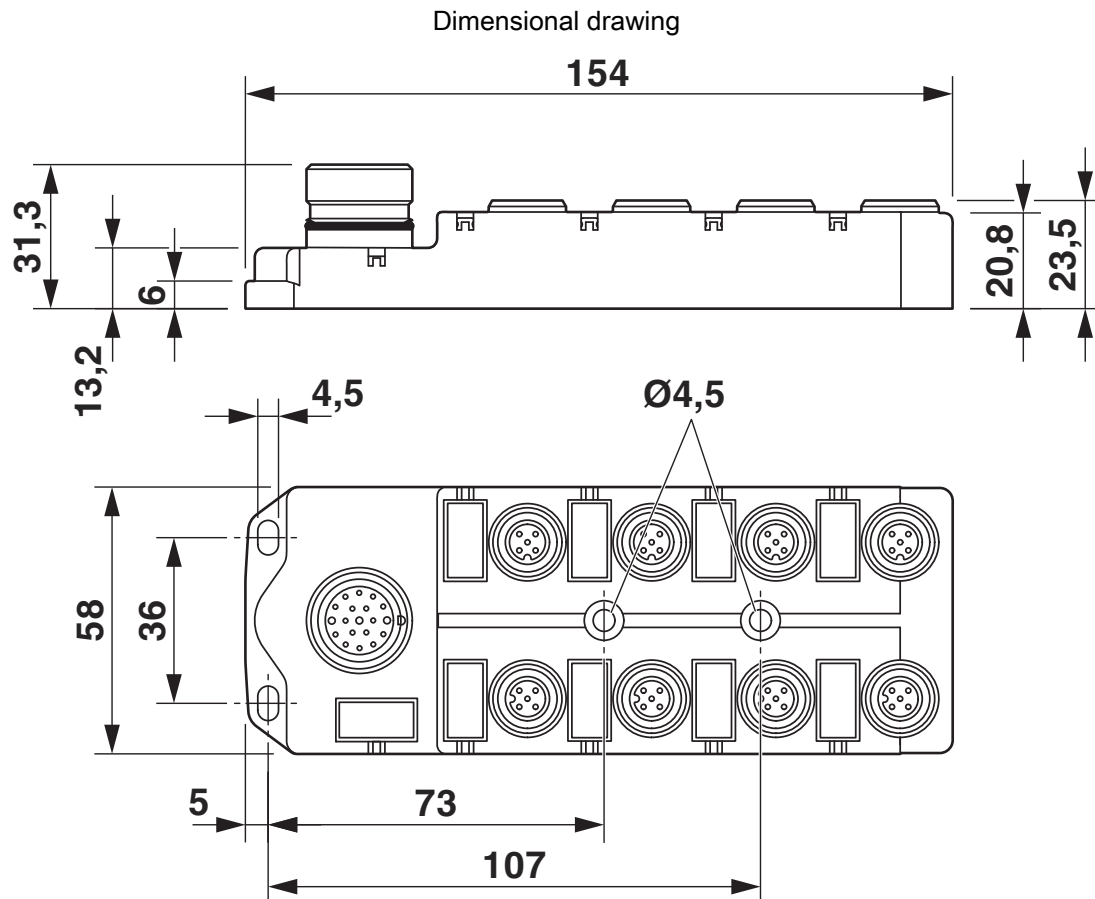
# SACB-8/16-M23 P12 SH - Distributor box



1155996

<https://www.phoenixcontact.com/in/products/1155996>

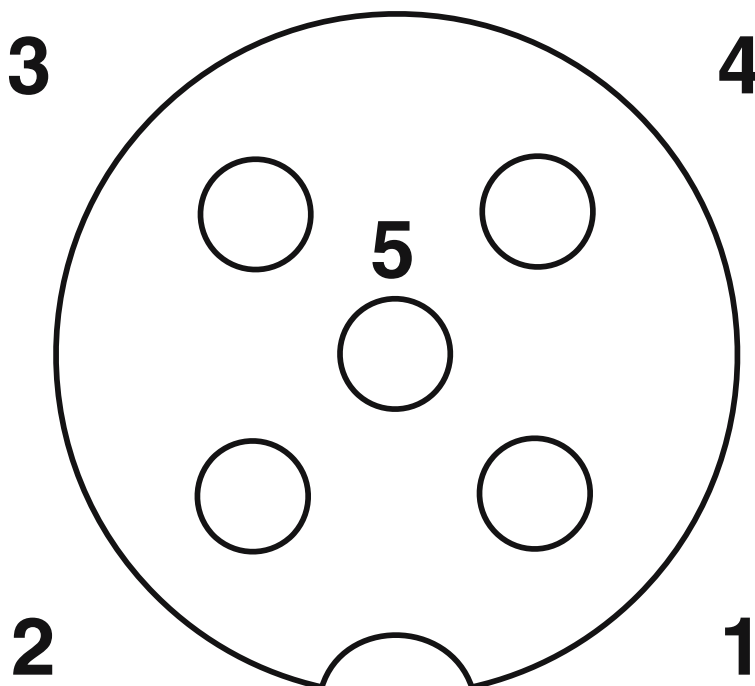
## Drawings



1155996

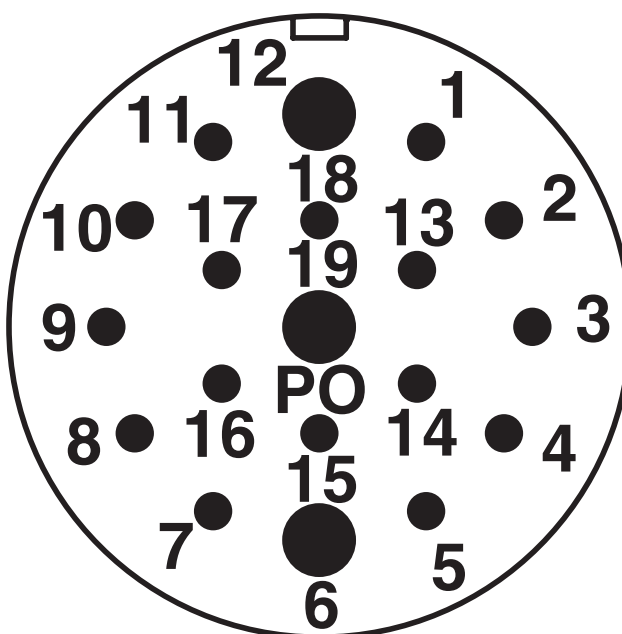
<https://www.phoenixcontact.com/in/products/1155996>

Schematic diagram



M12 slot, socket, 5-pos.

Schematic diagram



M23 plug connection pin, 19-pos.

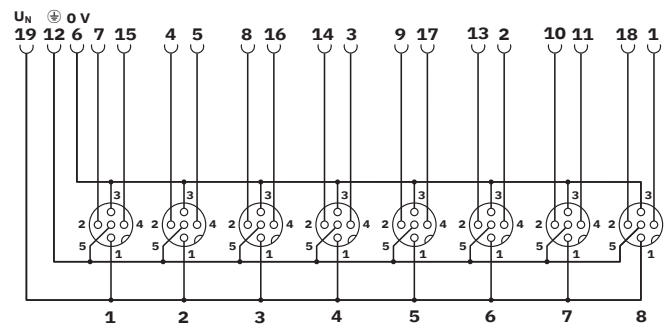
# SACB-8/16-M23 P12 SH - Distributor box



1155996

<https://www.phoenixcontact.com/in/products/1155996>

Circuit diagram



# SACB-8/16-M23 P12 SH - Distributor box



1155996

<https://www.phoenixcontact.com/in/products/1155996>

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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



# SACB-8/16-M23 P12 SH - Distributor box



1155996

<https://www.phoenixcontact.com/in/products/1155996>

## Environmental product compliance

### EU RoHS

|                                         |                    |
|-----------------------------------------|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|-----------------------------------------|--------------------|

### 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.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

Phoenix Contact 2025 © - all rights reserved  
<https://www.phoenixcontact.com>

PHOENIX CONTACT (I) Pvt. Ltd.  
A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420  
[info@phoenixcontact.co.in](mailto:info@phoenixcontact.co.in)