

## Sensor/actuator box - SACB-8/16-M23 180 - 1692789

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Sensor/actuator box, Application: Standard, Connection method: M12 socket Plastic, Number of slots: 8, Number of positions: 5, Coding: A - standard, Slot assignment: Double, Status indication: No, Universal; Master cable connection: M23 plug connection 180°, Shielding: No

### Product Features

- Safety in the field, thanks to molded housing and high degree of protection
- Flexible, distributed bundling of signals in one master cable
- Save space: distributor box with double occupancy for two sensors in one slot



### Key Commercial Data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Weight per Piece (excluding packing) | 147.2 g  |
| Custom tariff number                 | 85366990 |
| Country of origin                    | Poland   |

### Technical data

#### General

|  |            |
|--|------------|
| Rated voltage                            | 120 V      |
| Max. operating voltage $U_{max}$         | 135 V      |
| Current carrying capacity per I/O signal | 2 A        |
| Current carrying capacity per slot       | 4 A        |
| Total rated current                      | 12 A       |
| Number of positions                      | 5          |
| Number of slots                          | 8          |
| Flammability rating according to UL 94   | V0         |
| Sensor/actuator connection system        | M12 socket |

#### Ambient conditions

|                      |      |
|----------------------|------|
| Degree of protection | IP65 |
|----------------------|------|

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### Technical data

#### Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
|                                 | IP67             |
| Ambient temperature (operation) | -20 °C ... 75 °C |

#### Master cable data/connection data

|  |                     |
|--|---------------------|
| Connection method                            | M23 plug connection |
| Tightening torque slot sensor/actuator cable | 0.4 Nm              |

#### Insulation material

|  |             |
|--|-------------|
| Housing material   | PA          |
| 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 |
| Material of the contact carrier on the master cable side | PA          |
| Material of threaded sleeve                              | PA          |
| O-ring material  | NBR         |

#### Pin 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         |
|  | 7 / 2 (B) = 10         |
|  | 8 / 4 (A) = 1          |
|  | 8 / 2 (B) = 18         |
|  | 1-8 / 1 (+ 120 V) = 19 |
|  | 1-8 / 3 (0 V) = 6      |
|  | 1-8 / 5 (PE) = 12      |

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## Technical data

### Standards and Regulations

|  |     |
|--|-----|
| Connection in acc. with standard       | CUL |
| Flammability rating according to UL 94 | V0  |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27140815 |
| eCl@ss 4.1 | 27140815 |
| eCl@ss 5.0 | 27143423 |
| eCl@ss 5.1 | 27143423 |
| eCl@ss 6.0 | 27143423 |
| eCl@ss 7.0 | 27449001 |
| eCl@ss 8.0 | 27279219 |
| eCl@ss 9.0 | 27440108 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000200 |
| ETIM 3.0 | EC001856 |
| ETIM 4.0 | EC002585 |
| ETIM 5.0 | EC002585 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 31261501 |
| UNSPSC 7.0901 | 31261501 |
| UNSPSC 11     | 31261501 |
| UNSPSC 12.01  | 31261501 |
| UNSPSC 13.2   | 31261501 |

## Approvals

### Approvals

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#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

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#### Ex Approvals

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## Approvals

Approvals submitted

### Approval details

|                            |       |
|----------------------------|-------|
| UL Recognized              |       |
| mm <sup>2</sup> /AWG/kcmil | 22-16 |
| Nominal voltage UN         | 120 V |

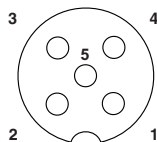
|                            |       |
|----------------------------|-------|
| cUL Recognized             |       |
| mm <sup>2</sup> /AWG/kcmil | 22-16 |
| Nominal voltage UN         | 120 V |

|     |
|-----|
| EAC |
|-----|

|                  |
|------------------|
| cULus Recognized |
|------------------|

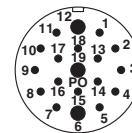
## Drawings

Schematic diagram



M12 slot, socket, 5-pos.

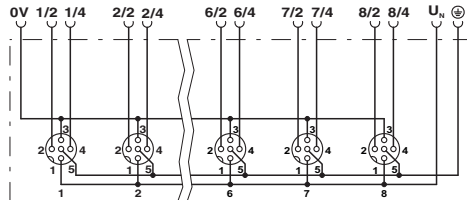
Schematic diagram



M23 plug connection pin, 19-pos.

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Circuit diagram



Dimensional drawing

