

# Flush-type connector - SACC-CI-M12MS-17CON-SH TOR 32 - 1457607

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Sensor/actuator flush-type plug, 17-pos. with shroud, A-coded, with straight THR solder connection, contact insert only

## Why buy this product

- Reduced mounting costs thanks to two-piece device connector
- Packaging available for automated pick and place assembly
- All common pin assignments and codings available
- Easy device integration thanks to mechanical port screw connections with threaded attachment, press-in contour or direct integration in the front plate

## Key Commercial Data

|                        |               |
|------------------------|---------------|
| Packing unit           | 100 STK       |
| Minimum order quantity | 100 STK       |
| GTIN                   |               |
| GTIN                   | 4046356617352 |

## Technical data

### Ambient conditions

|                                 |   |
|---------------------------------|---|
| Ambient temperature (operation) | -25 °C ... 85 °C                                |
|                                 | -40 °C ... 85 °C (without mechanical actuation) |
| Degree of protection            | IP67 (correctly plugged in and locked)          |

### General

|                       |  |
|-----------------------|--|
| Note                  | The electrical and mechanical data specified assume that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of contamination, the connector must be sealed using a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration. |
| Rated current at 40°C | 1.5 A  |
| Rated voltage         | 30 V   |
| Rated surge voltage   | 0.8 kV   |

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## Technical data

### General

|                             |                                   |
|-----------------------------|-----------------------------------|
| Number of positions         | 17                                |
| Insulation resistance       | ≥ 100 MΩ                          |
| Coding                      | A - standard                      |
| Standards/regulations       | M12 connector IEC 61076-2-101     |
| Overvoltage category        | III                               |
| Degree of pollution         | 3                                 |
| Test voltage                | 0.8 kV                            |
| Connection method           | THR solder connection             |
| Insertion/withdrawal cycles | > 100                             |
| Torque                      | 3 Nm ... 4 Nm (Installation-side) |
| Mounting type               | PCB mounting                      |
| Type of packaging           | Belt                              |
| Delivery state              | with assembly pad                 |

### Material

|  |      |
|--|------|
| Flammability rating according to UL 94 | V0   |
| Contact material                       | CuZn |
| Contact surface material               | Au   |
| Contact carrier material               | PPA  |
| Sealing material                       | FKM  |

### Cable

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

### Standards and Regulations

|  |                 |
|--|-----------------|
| Standard designation                   | M12 connector   |
| Standards/regulations                  | IEC 61076-2-101 |
| Flammability rating according to UL 94 | V0              |

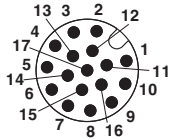
### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Drawings

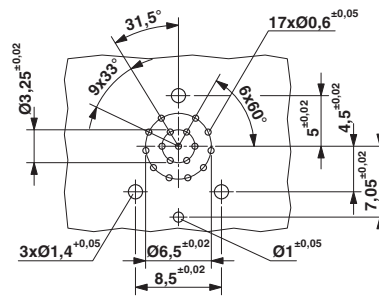
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Schematic diagram



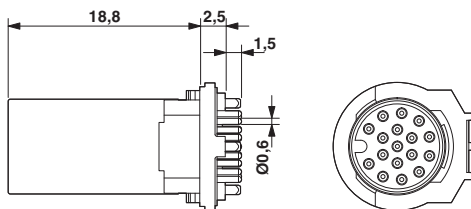
Pin assignment M12 male connector, 17-pos., male side view

Drilling diagram



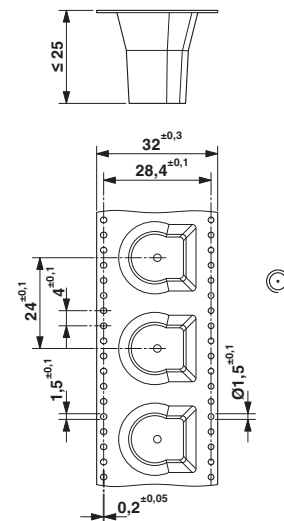
Drilling diagram

Dimensional drawing



M12 male connector contact carrier

Dimensional drawing



THR tape-on-reel packing

## Approvals

Approvals

Approvals


UL Recognized / EAC


Ex Approvals

## Approval details

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## Approvals

|                                |   |   |               |
|--------------------------------|---|---|---------------|
| UL Recognized                  |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 118976 |
| mm <sup>2</sup> /AWG/kcmil     |   | 26-20   |               |
| Nominal current I <sub>N</sub> |   | 1.5 A   |               |
| Nominal voltage U <sub>N</sub> |   | 30 V  |               |

|     |   |               |
|-----|---|---------------|
| EAC |  | EAC-Zulassung |
|-----|---|---------------|

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