

# Flush-type connector - SACC-CI-M12MS-5CON-L180 THR - 1552227

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Sensor/actuator flush-type plug, 5-pos., A-coded, with straight THR solder connection, only contact insert

## 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
- Additional gasket for the device when not plugged in

## Key Commercial Data

|                        |   |
|------------------------|---|
| Packing unit           | 60 STK  |
| Minimum order quantity | 60 STK  |
| GTIN                   | <br>4 046356 162081 |
| GTIN                   | 4046356162081   |

## Technical data

### Ambient conditions

|                                 |   |
|---------------------------------|---|
| Ambient temperature (operation) | -25 °C ... 85 °C (Plug / socket)                |
|                                 | -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 | 4 A  |
| Rated voltage         | 60 V   |

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## Technical data

### General

|                             |                                   |
|-----------------------------|-----------------------------------|
| Rated surge voltage         | 1.5 kV                            |
| Number of positions         | 5                                 |
| Insulation resistance       | ≥ 100 MΩ                          |
| Coding                      | A - standard                      |
| Standards/regulations       | M12 connector IEC 61076-2-101     |
| Status display              | No                                |
| Overvoltage category        | II                                |
| Degree of pollution         | 3                                 |
| Connection method           | THR solder connection             |
| Insertion/withdrawal cycles | > 100                             |
| Torque                      | 3 Nm ... 4 Nm (Installation-side) |
| Mounting type               | PCB mounting                      |
| Type of packaging           | Tray                              |

### Material

|  |            |
|--|------------|
| Flammability rating according to UL 94 | V0         |
| Contact material                       | CuZn       |
| Contact surface material               | Au         |
| Contact carrier material               | PA 6.6     |
| Sealing material                       | FKM / EPDM |

### Cable

|                                 |   |
|---------------------------------|---|
| Standards/specifications        | M12 connector IEC 61076-2-101                   |
| Ambient temperature (operation) | -40 °C ... 85 °C (cable, fixed installation)    |
|                                 | -25 °C ... 85 °C (cable, flexible installation) |

### Standards and Regulations

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

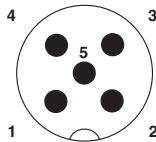
### Environmental Product Compliance

|            |   |
|------------|---|
| REACH SVHC | Lead 7439-92-1  |
| China RoHS | Environmentally Friendly Use Period = 50  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Drawings

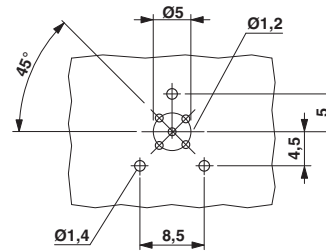
# Flush-type connector - SACC-CI-M12MS-5CON-L180 THR - 1552227

Schematic diagram



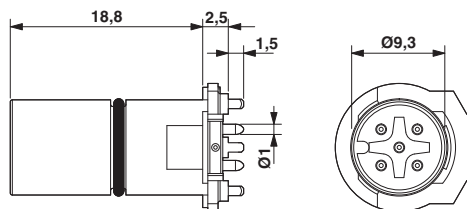
Pin assignment M12 male connector, 5-pos., A-coded, male side

Drilling diagram



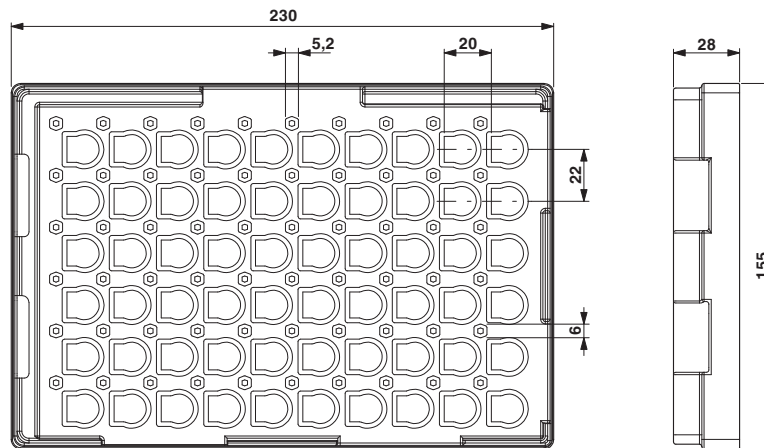
Drilling diagram

Dimensional drawing



M12 male connector contact carrier

Dimensional drawing



THR tray packaging

## Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

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## Approvals

Ex Approvals

### Approval details

|                            |      |   |               |
|----------------------------|------|---|---------------|
| 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 |
|                            |      |   |               |
| Nominal voltage UN         | 60 V |   |               |
| Nominal current IN         | 4 A  |   |               |
| mm <sup>2</sup> /AWG/kcmil | 22   |   |               |

|                            |      |   |               |
|----------------------------|------|---|---------------|
| cUL 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 |
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|     |  |         |
|-----|--|---------|
| EAC |  | B.01742 |
|-----|--|---------|

|                  |  |   |
|------------------|--|---|
| cULus 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> |
|------------------|--|---|

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