

# Flush-type connector - SACC-CI-M12MSS-4CON-L180 THR PE - 1406410

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Flush-type connector, Universal, 4-position, Plug, straight, S power, PCB mounting, THR solder connection

## Your advantages

- ✓ For compact devices: transmit high power in a confined space
- ✓ Reduced mounting costs thanks to two-piece device connector
- ✓ 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
- ✓ Packaging available for automated pick and place assembly

RoHS

## Key Commercial Data

|                        |               |
|------------------------|---------------|
| Packing unit           | 20 pc         |
| Minimum order quantity | 20 pc         |
| GTIN                   |               |
| GTIN                   | 4046356804332 |

## Technical data

### Ambient conditions

|                                 |  |
|---------------------------------|--|
| Ambient temperature (operation) | -25 °C ... 105 °C                                |
|                                 | -40 °C ... 105 °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 |
|------|---|

# Flush-type connector - SACC-CI-M12MSS-4CON-L180 THR PE - 1406410

## Technical data

### General

|                             |  |
|-----------------------------|--|
|                             | a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration. |
| Rated current at 40°C       | 12 A   |
| Rated voltage               | 630 V  |
| Rated surge voltage         | 6 kV   |
| Number of positions         | 4  |
| Insulation resistance       | ≥ 100 MΩ   |
| Coding                      | S power  |
| Standards/regulations       | M12 connector IEC 61076-2-111 In line with   |
| Signal type/category        | Universal  |
| Overvoltage category        | III  |
| Degree of pollution         | 3  |
| Connection method           | THR solder connection  |
| Insertion/withdrawal cycles | > 100  |
| Mounting type               | PCB mounting   |

### Material

|  |      |
|--|------|
| Flammability rating according to UL 94 | V0   |
| Contact material                       | CuZn |
| Contact surface material               | Au   |
| Contact carrier material               | PA4T |
| Sealing material                       | FKM  |

### Cable

|                          |  |
|--------------------------|--|
| Standards/specifications | M12 connector IEC 61076-2-111 In line with |
|--------------------------|--|

### Standards and Regulations

|  |  |
|--|--|
| Standards/specifications               | M12 connector IEC 61076-2-111 In line with |
| Flammability rating according to UL 94 | V0   |

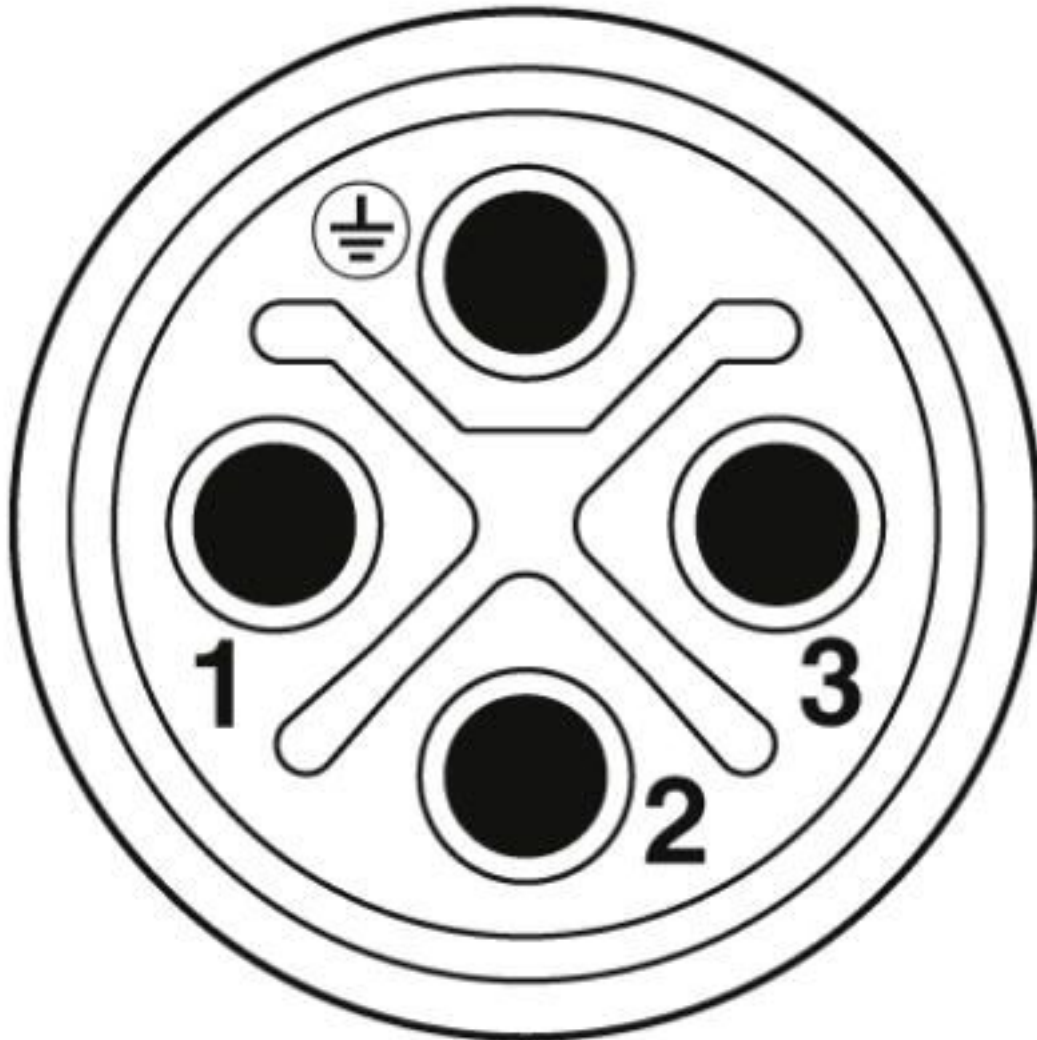
### Environmental Product Compliance

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

## Drawings

# Flush-type connector - SACC-CI-M12MSS-4CON-L180 THR PE - 1406410

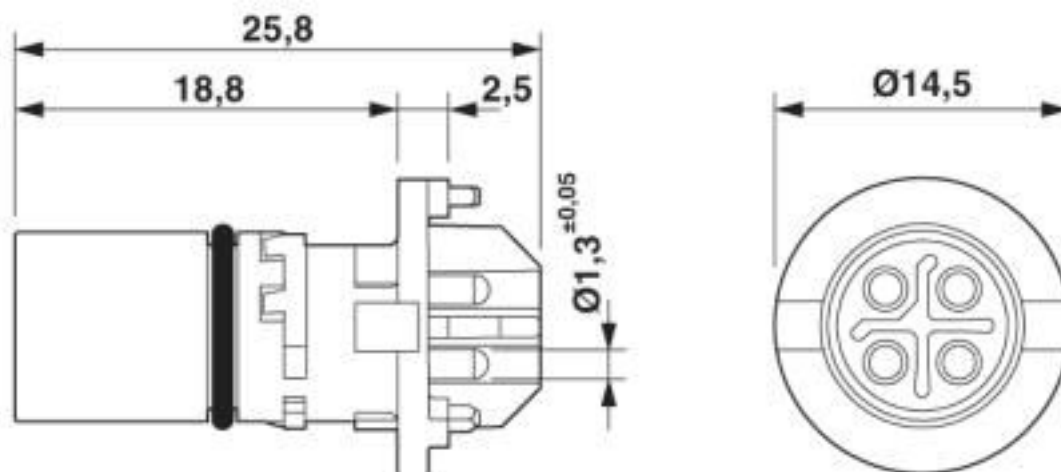
Schematic diagram



Connector pin assignment of M12 plug, 4-pos., S-coded, view of pin side

# Flush-type connector - SACC-CI-M12MSS-4CON-L180 THR PE - 1406410

Dimensional drawing



M12 flush-type connector

## Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27440102 |
| eCl@ss 4.0    | 27140800 |
| eCl@ss 4.1    | 27140800 |
| eCl@ss 5.0    | 27143400 |
| eCl@ss 5.1    | 27143400 |
| eCl@ss 6.0    | 27279200 |
| eCl@ss 7.0    | 27440103 |
| eCl@ss 8.0    | 27440103 |
| eCl@ss 9.0    | 27440102 |

ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC002061 |
| ETIM 4.0 | EC002062 |
| ETIM 5.0 | EC002061 |
| ETIM 6.0 | EC002061 |

UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 31251501 |
| UNSPSC 7.0901 | 31251501 |
| UNSPSC 11     | 31251501 |
| UNSPSC 12.01  | 31251501 |
| UNSPSC 13.2   | 39121413 |
| UNSPSC 18.0   | 39121413 |

# Flush-type connector - SACC-CI-M12MSS-4CON-L180 THR PE - 1406410

## Classifications

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 19.0 | 39121413 |
| UNSPSC 20.0 | 39121413 |
| UNSPSC 21.0 | 39121413 |

## Approvals

### Approvals

#### Approvals

EAC / cULus Recognized

#### Ex Approvals

### Approval details

|     |  |         |
|-----|--|---------|
| EAC |  | B.01687 |
|-----|--|---------|

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

## Accessories

### Accessories

#### Contact insert

Sample set - SACC-CI-M12MSS-4CON-L180THR PE SP - 1420412



Sample set, Universal, 4-position, Plug, straight, S power, PCB mounting, THR solder connection

### Panel mounting base

## Flush-type connector - SACC-CI-M12MSS-4CON-L180 THR PE - 1406410

### Accessories

Housing screw connection - SACC-M12-SCO PLUG - 1551493



M12 SPEEDCON housing screw connection for M12 male inserts, with O-ring, for all SPEEDCON-capable THR and wave soldering contact carriers

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Housing screw connection - SACC-DSIV-M12-PLUG - 1416145



Housing screw connection with M12 standard thread, with O-ring, for the two-piece straight M12 THR contact carrier and for the two-piece angled M12 contact carrier

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Housing screw connection - SACC-M12-SCO PLUG L90 - 1436709



M12-SPEEDCON housing screw connection for M12 male inserts, with flat gasket, for all Speedcon-compatible THR and wave soldering contact carriers

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Housing screw connection - SACC-BP-M-M12/M15-6-THR - 1413997



Housing screw connection, Plug, M12, Rear mounting, M15 x 1

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Housing screw connection - SACC-BP-M-M12/M15-7-THR - 1413996



Housing screw connection, Plug, M12, Rear mounting, M15 x 1

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## Flush-type connector - SACC-CI-M12MSS-4CON-L180 THR PE - 1406410

### Accessories

Housing screw connection - SACC-BP-M-M12/M15-6-THR SCO - 1413999



M12 SPEEDCON housing screw connection for M12 male inserts, with O-ring, for all SPEEDCON-capable THR and wave soldering contact carriers

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Housing screw connection - SACC-BP-M-M12/M15-7-THR SCO - 1413998



Housing screw connection, Plug, M12-SPEEDCON, Rear mounting, M15 x 1

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Housing screw connection - SACC-M12 PLUG PRESS - 1437892



M12 pin, housing screw connection, press-in version, for all Speedcon-compatible THR and wave soldering contact carriers

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Housing screw connection - SACC-DSIV-M12-PLUG-9 THR - 1417984



M12 pin, front mounting THR with M14 screw fastening

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Housing screw connection - SACC-BP-M-M12-THR PP - 1027661



Housing screw connection, Plug, M12-Push-Pull, Rear mounting, THR- und Wellenlötkontakte

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## Flush-type connector - SACC-CI-M12MSS-4CON-L180 THR PE - 1406410

### Accessories

Housing screw connection - SACC-FP-M-M12-THR PP - 1027679



Housing screw connection, Plug, M12-Push-Pull, Front mounting, THR- und Wellenlötkontakte

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