

Flush-type connector - SACC-CI-M12FSS-4CON-L180 THR P - 1406409

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Flush-type connector, Universal, 4-position, Socket, 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
- ✔ Packaging available for automated pick and place assembly

Key Commercial Data

| | |
|--------------------------------------|---------------------|
| Packing unit | 1 pc |
| Minimum order quantity | 20 pc |
| GTIN | 4 046356 804349 |
| GTIN | 4046356804349 |
| Weight per Piece (excluding packing) | 4.000 g |
| Custom tariff number | 85366990 |
| Country of origin | Germany |

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) |

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Technical data

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 | 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 |
| 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 |

Cable

| | |
|--------------------------|---------------|
| Standards/specifications | M12 connector |
|--------------------------|---------------|

Standards and Regulations

| | |
|--|---------------|
| Standard designation | M12 connector |
| Flammability rating according to UL 94 | V0 |

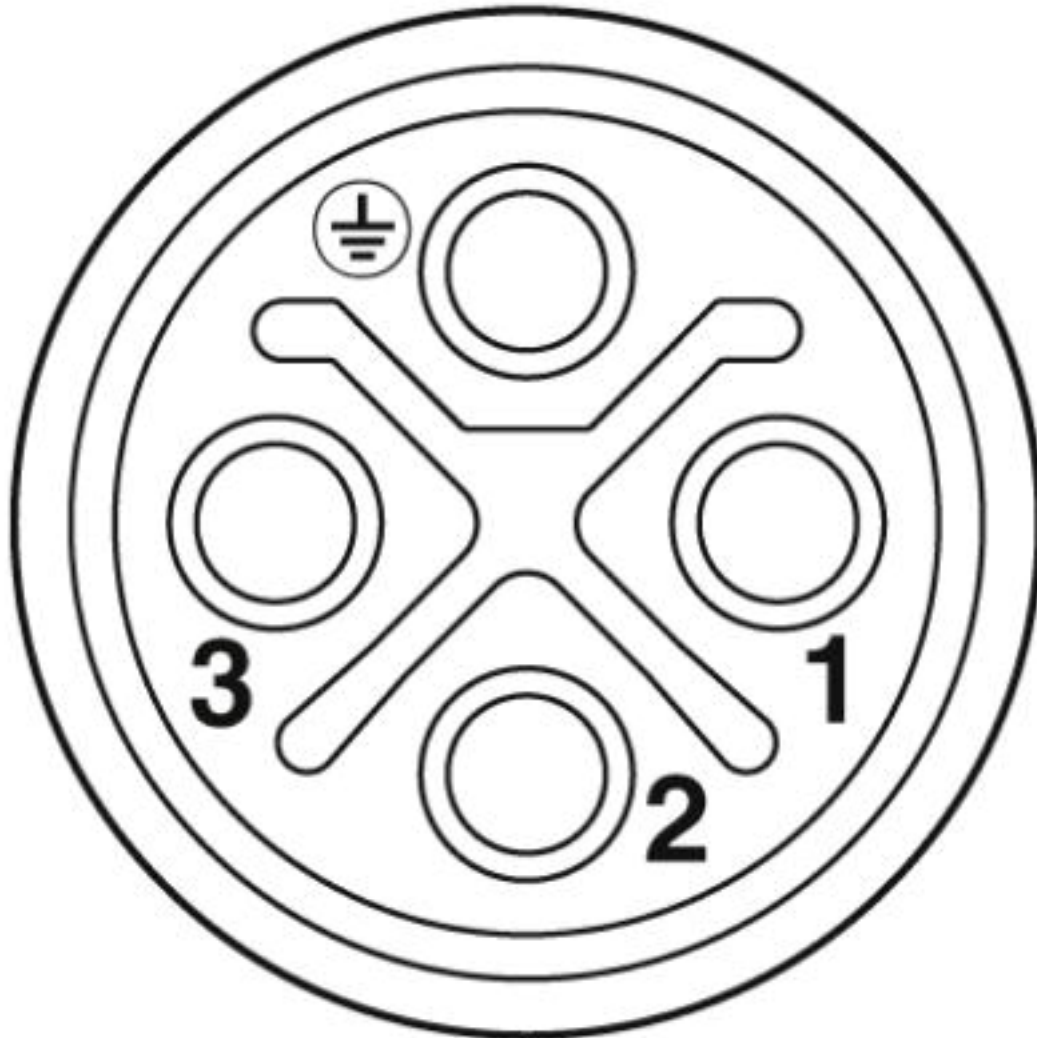
Environmental Product Compliance

| | |
|------------|---|
| 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-M12FSS-4CON-L180 THR P - 1406409

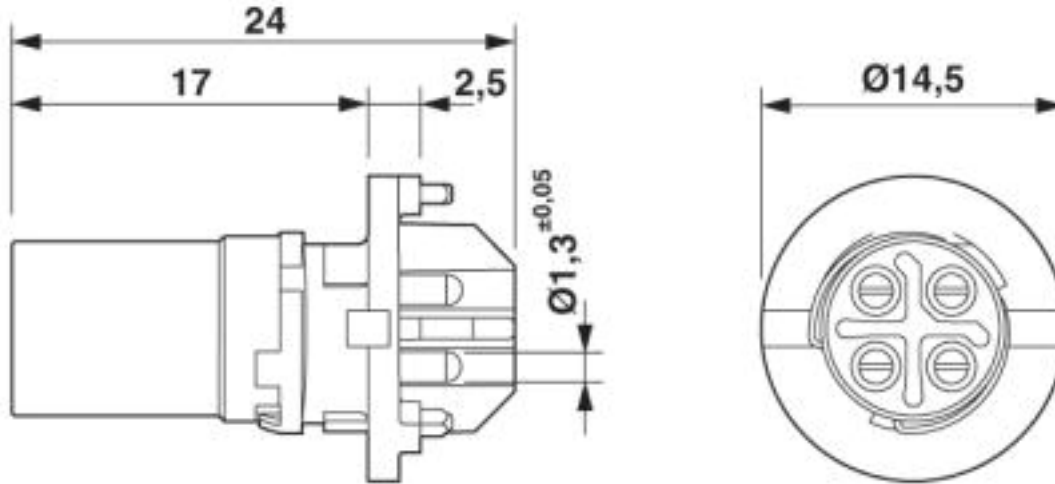
Schematic diagram



Pin assignment of M12 socket, 4-pos., S-coded, socket side view

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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 |

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Classifications

UNSPSC

| | |
|-------------|----------|
| UNSPSC 13.2 | 39121413 |
| UNSPSC 18.0 | 39121413 |
| UNSPSC 19.0 | 39121413 |
| UNSPSC 20.0 | 39121413 |
| UNSPSC 21.0 | 39121413 |

Approvals

Approvals


Approvals


EAC / UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approval details

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

| | | | |
|----------------------------|---|---|------------------|
| UL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E468743-20190917 |
| Nominal voltage UN | | 600 V | |
| Nominal current IN | | 12 A | |
| mm ² /AWG/kcmil | | 16 | |

| | | | |
|----------------------------|---|---|------------------|
| cUL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E468743-20190917 |
| Nominal voltage UN | | 600 V | |
| Nominal current IN | | 12 A | |
| mm ² /AWG/kcmil | | 16 | |

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Approvals

cULus Recognized



Accessories

Accessories

Panel mounting base

Housing screw connection - SACC-M12-SCO NUT - 1552243



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

Housing screw connection - SACC-DSIV-M12-NUT - 1416144



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

Housing screw connection - SACC-DSIV-M12-NUT-9 THR - 1417989



M12 female connector, front mounting THR with M14 screw fastening

Housing screw connection - SACC-M12-SCO NUT L 90 - 1432460



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

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Accessories

Housing screw connection - SACC-BP-F-M12/M15-6-THR - 1414004



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

Housing screw connection - SACC-BP-F-M12/M15-7-THR - 1414003



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

Housing screw connection - SACC-BP-F-M12/M15-6-THR SCO - 1414020



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

Housing screw connection - SACC-BP-F-M12/M15-7-THR SCO - 1414005



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

Housing screw connection - SACC-M12 NUT PRESS - 1437889



Housing screw connection for two-piece M12 connectors for the reflow soldering process.
