

Flush-type connector - SACC-CI-M12FSM-5PE-L180 THR T - 1420823

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Flush-type connector, Power, 6-position, Socket, straight, M - 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
- ✓ 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 fastening
- ✓ Additional gasket for the device when not plugged in



Key Commercial Data

| | |
|------------------------|---|
| Packing unit | 60 pc |
| Minimum order quantity | 60 pc |
| GTIN |  4 055626 280684 |
| GTIN | 4055626280684 |

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 a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration. |
| Rated current at 40°C | 8 A |

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Technical data

General

| | |
|-----------------------------|--|
| Rated voltage | 630 V |
| Rated surge voltage | 6 kV |
| Number of positions | 6 |
| Coding | M - Power |
| Standards/regulations | M12 connector IEC 61076-2-111 In line with |
| Signal type/category | Power |
| Overvoltage category | III |
| Degree of pollution | 3 |
| Connection method | THR solder connection |
| Insertion/withdrawal cycles | > 100 |
| Mounting type | PCB mounting |
| Type of packaging | Tray |
| Delivery state | with assembly pad |

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 |

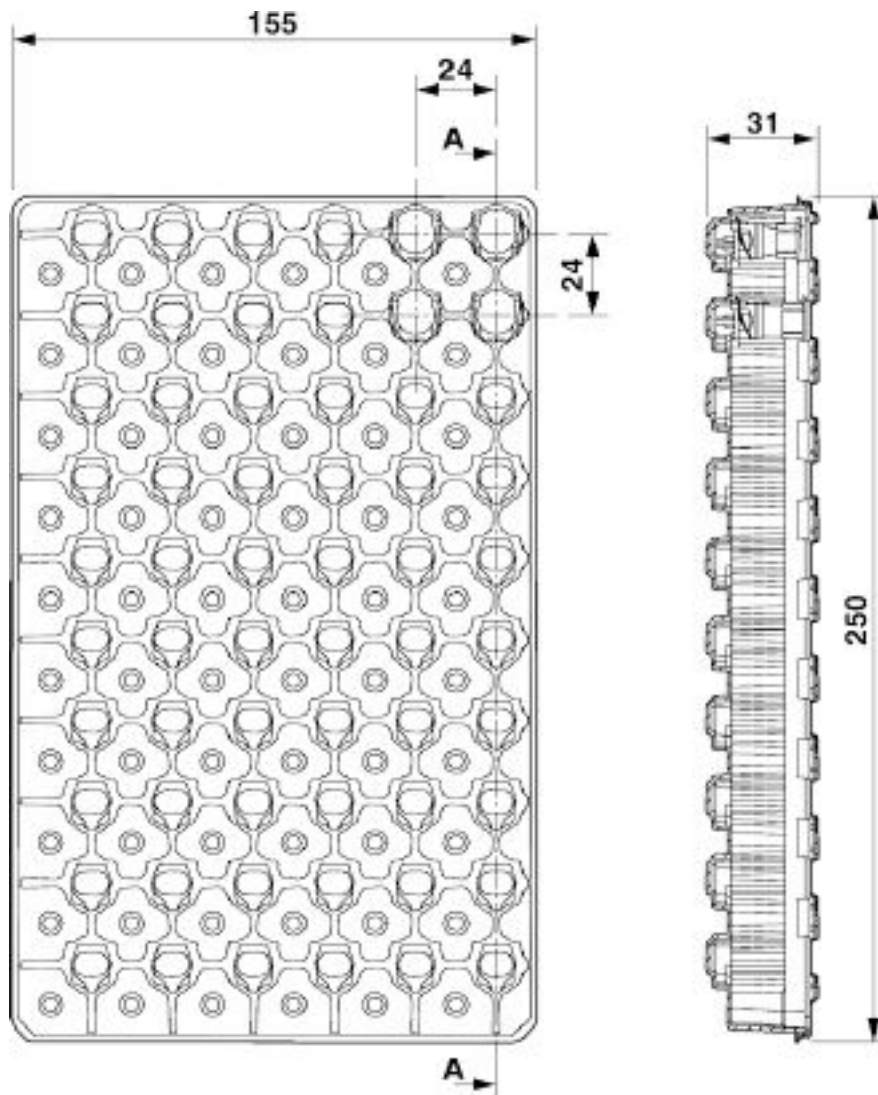
Environmental Product Compliance

| | |
|------------|---|
| 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-M12FSM-5PE-L180 THR T - 1420823

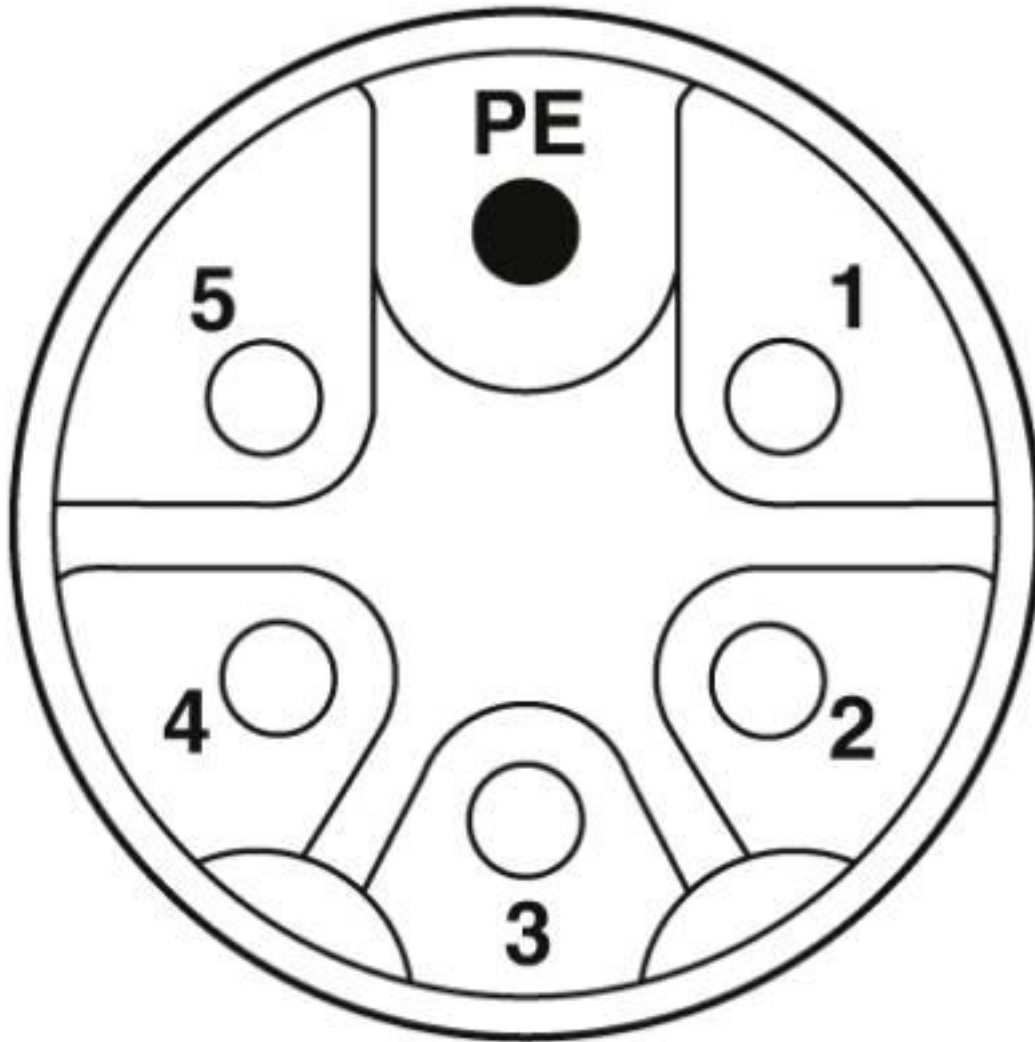
Dimensional drawing



THR tray packaging

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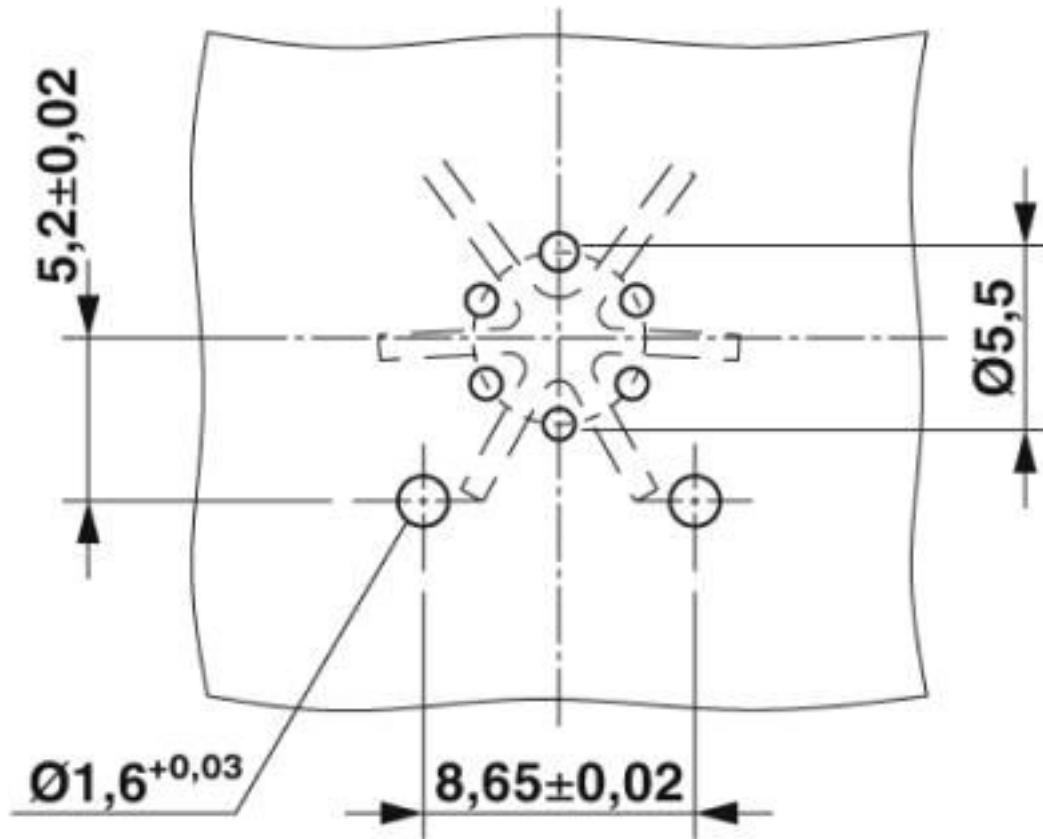
Schematic diagram



Pin assignment of M12 socket, 6-pos., M-coded, socket side view

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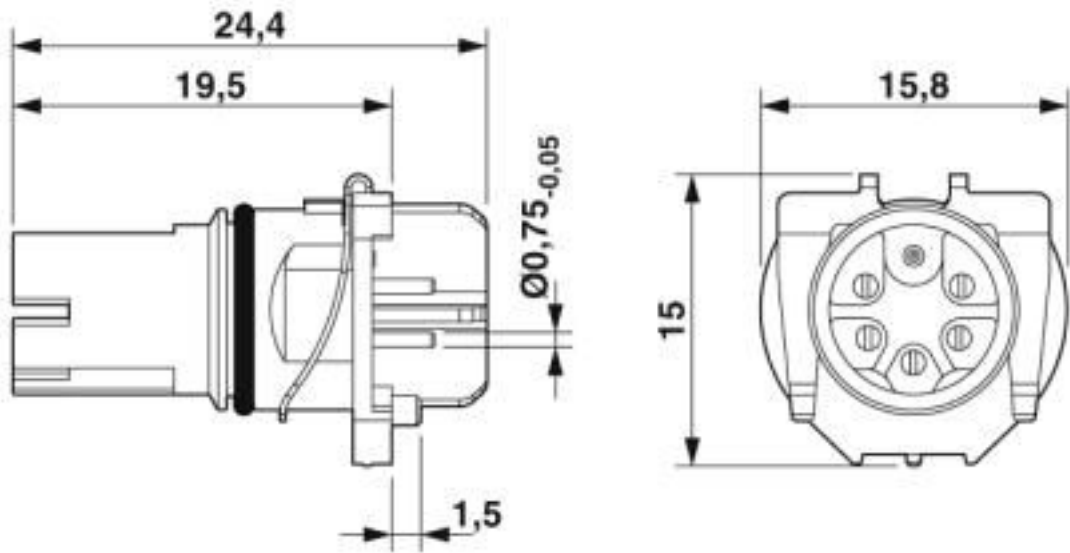
Drilling diagram



Soldering pad geometry

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Dimensional drawing



M12 flush-type connector

Classifications

eCI@ss

| | |
|---------------|----------|
| eCI@ss 10.0.1 | 27440109 |
| eCI@ss 4.0 | 27140815 |
| eCI@ss 4.1 | 27140815 |
| eCI@ss 5.0 | 27143423 |
| eCI@ss 5.1 | 27143423 |
| eCI@ss 6.0 | 27279200 |
| eCI@ss 7.0 | 27440103 |
| eCI@ss 8.0 | 27440103 |
| eCI@ss 9.0 | 27440103 |

ETIM

| | |
|----------|----------|
| ETIM 6.0 | EC002061 |
|----------|----------|

Approvals

Approvals

Approvals


cULus Recognized / EAC


Ex Approvals

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Approvals

Approval details

| | | |
|--------------------|---|--|
| cULus Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E468743-20180113 |
| Nominal voltage UN | 600 V | |
| Nominal current IN | 10 A | |

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

Accessories

Accessories

Contact insert

Sample set - SACC-CIM12FSM5PEL180THRSAMPLE - 1423428



Sample set, Universal, Socket, straight, M - Power, PCB mounting, THR solder connection

Panel mounting base

Housing screw connection - SACC-FP-F-M12/M14 THR PW - 1420825



Housing screw connection with M12 standard thread, with O-ring, for 2-piece K, L, and M-coded THR contact carriers

Housing screw connection - SACC-BP-F-M12/M15-6-THR PW - 1420827



Housing screw connection with M12 standard thread, with O-ring, for 2-piece K, L, and M-coded THR contact carriers

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