

Flush-type connector - SACC-CI-M12FS-8CON-L180-THR SH - 1551422


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Sensor/actuator flush-type socket, 8-pos., with straight THR solder connection, only contact insert



Key commercial data

| | |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 60 pc |
| Minimum order quantity | 60 pc |
| GTIN |  4 046356 153706 |
| Weight per Piece (excluding packing) | 4.53 g |
| Custom tariff number | 85366990 |
| Country of origin | Germany |

Technical data

Ambient conditions

| | |
|---------------------------------|-------------------------------------------------|
| Ambient temperature (operation) | -25 °C ... 85 °C (Plug / socket) |
| | -40 °C ... 85 °C (without mechanical actuation) |
| Degree of protection | IP67 |

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 | 2 A |
| Rated voltage | 30 V |
| Number of positions | 8 |
| Contact resistance | ≤ 3 mΩ |
| Insulation resistance | ≥ 100 MΩ |
| Coding | A - standard |
| Standards/regulations | M12 connector IEC 61076-2-101 |
| Status display | No |

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Technical data

General

| | |
|-----------------------------|-----------------------------------|
| Surge voltage category | II |
| Pollution degree | 3 |
| Connection method | THR solder connection |
| Insertion/withdrawal cycles | > 100 |
| Torque | 3 Nm ... 4 Nm (Installation-side) |
| Mounting type | PCB mounting |

Material

| | |
|-----------------------------------------|------------|
| Inflammability class according to UL 94 | V0 |
| Contact material | CuZn |
| Contact surface material | Au |
| Contact carrier material | PPA |
| Sealing material | FKM / EPDM |

Cable

| | |
|---------------------------------|-------------------------------------------------|
| Ambient temperature (operation) | -40 °C ... 85 °C (cable, fixed installation) |
| | -25 °C ... 85 °C (cable, flexible installation) |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27250313 |
| eCl@ss 4.1 | 27250313 |
| eCl@ss 5.0 | 27143423 |
| eCl@ss 5.1 | 27143423 |
| eCl@ss 6.0 | 27143423 |
| eCl@ss 7.0 | 27449001 |
| eCl@ss 8.0 | 27440103 |

ETIM

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

UNSPSC

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

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Approvals

Approvals


Approvals

UL Recognized / EAC

Ex Approvals

Approvals submitted

Approval details

| | |
|--------------------------------------------------------------------------------------------------|-------|
| UL Recognized  | |
| mm ² /AWG/kcmil | 26-20 |
| Nominal current I _N | 2 A |
| Nominal voltage U _N | 30 V |

| |
|-----|
| EAC |
|-----|

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-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-M12 NUT PRESS - 1437889



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

Protective cap

Screw plug - PROT-M12 - 1680539



An M12 screw plug for the unoccupied M12 sockets of the sensor/actuator cable, boxes and flush-type connectors

Screw plug - PROT-M12 SH - 1503302



An M12 screw plug for the unoccupied M12 sockets of the shielded sensor/actuator cable, boxes and flush-type connectors

Screw plug - PROT-M12 FB - 1555538

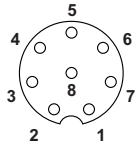


M12 high-grade steel screw plug, for unoccupied M12 sockets of the sensor/actuator cables, boxes and flush-type connectors for the food industry

Drawings

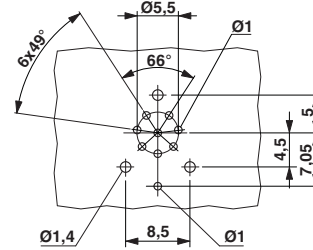
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Schematic diagram



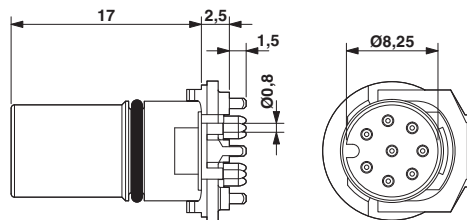
Pin assignment M12 socket, 8-pos., A-coded, view female side

Drilling diagram



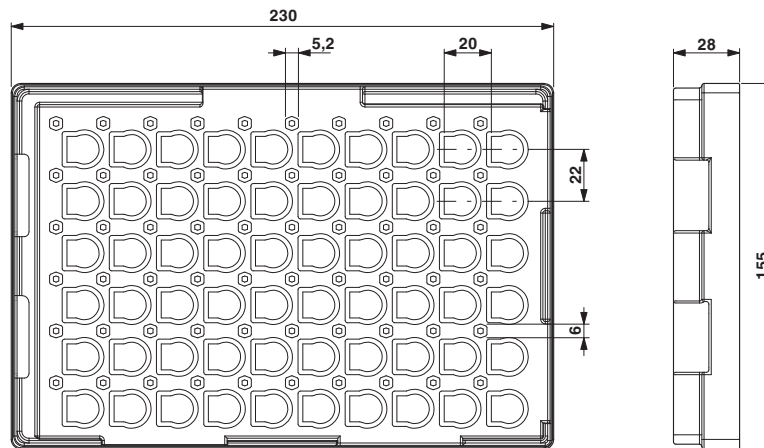
Drilling diagram

Dimensioned drawing



M12 female connector contact carrier

Dimensioned drawing



THR tray packaging