

Flush-type connector - SACC-CI-M12MS-17CON-L90 - 1424196

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Sensor/actuator flush-type plug, 17-pos. without shroud, A-coded, with angled solder connection, contact insert only

Why buy this product

- 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



Key Commercial Data

| | |
|--------------|---|
| Packing unit | 20 STK |
| GTIN |  4 046356 692908 |
| GTIN | 4046356692908 |

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 | 1.5 A |
| Rated voltage | 30 V |
| Rated surge voltage | 0.8 kV |
| Number of positions | 17 |
| Insulation resistance | ≥ 100 MΩ |

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Technical data

General

| | |
|-----------------------------|-----------------------------------|
| Coding | A - standard |
| Standards/regulations | M12 connector IEC 61076-2-101 |
| Status display | No |
| Overvoltage category | III |
| Degree of pollution | 3 |
| Connection method | Solder pins |
| Insertion/withdrawal cycles | > 100 |
| Torque | 3 Nm ... 4 Nm (Installation-side) |
| Mounting type | PCB mounting |

Material

| | |
|--|------|
| Flammability rating according to UL 94 | V0 |
| Contact material | CuZn |
| Contact surface material | Au |
| Contact carrier material | PA6T |

Cable

| | |
|------------------------------------|---|
| Conductor cross section | 0.14 mm ² |
| Conductor structure signal line | 7x 0.16 mm |
| Core diameter including insulation | 1.1 mm ±0.05 mm |
| Thickness, insulation | 0.21 mm |
| Standards/specifications | M12 connector IEC 61076-2-101 |
| Insulation resistance | ≥ 20 MΩ*km |
| Conductor resistance | ≤ 57.6 mΩ/m |
| Nominal voltage, cable | 300 V |
| Test voltage, cable | 2000 V AC |
| 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 |

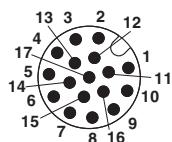
Environmental Product Compliance

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

Drawings

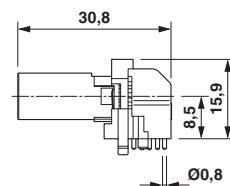
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Schematic diagram



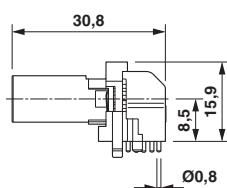
Pin assignment M12 male connector, 17-pos.,
male side view

Dimensional drawing



M12 flush-type male connector, angled

Dimensional drawing



M12 flush-type male connector, angled

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/LISELECT/1FRAME/index.htm>

FILE E 118976

| mm ² /AWG/kcmil | 26 |
|----------------------------|-------|
| Nominal current IN | 1.5 A |
| Nominal voltage UN | 30 V |

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Approvals

| | | | |
|----------------------------|---|---|---------------|
| cUL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 118976 |
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| | | |
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|------------------|---|---|

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