

Flush-type connector - SACC-DSI-M12MST-4CON-M16/0,5 - 1424136

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Flush-type connector, Power, 4-position, Plug, M12, T power, Rear mounting, M16 x 1.5, Individual wires, cable length: 0.5 m

Your advantages

- ✓ For compact devices: transmit high power in a confined space
- ✓ Pre-assembled with litz wires for immediate use
- ✓ Customer-specific assemblies and litz wire lengths available
- ✓ Sealed on the litz wire side for optimum leak-tightness
- ✓ For high transmission safety: shield connection to the housing with optional EMC nut

RoHS

Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 046356 693387 |
| GTIN | 4046356693387 |
| Weight per Piece (excluding packing) | 60.000 g |
| Custom tariff number | 85366990 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|-----------------|-------|
| Length of cable | 0.5 m |
|-----------------|-------|

Ambient conditions

| | |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -25 °C ... 85 °C (Plug / socket) |
| Degree of protection | IP67 |

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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 | 63 V |
| Rated surge voltage | 1.5 kV |
| Number of positions | 4 |
| Insulation resistance | ≥ 100 MΩ |
| Coding | T power |
| Standards/regulations | M12 connector IEC 61076-2-111 In line with |
| Signal type/category | Power |
| Status display | No |
| Overvoltage category | III |
| Degree of pollution | 3 |
| Test voltage | 1.5 kV |
| Connection method | Individual wires |
| Insertion/withdrawal cycles | > 100 |
| Torque | M12 connector |
| Mounting type | Rear mounting M16 x 1.5 With flat nut |

Material

| | |
|--|---------------------------|
| Flammability rating according to UL 94 | V0 |
| Contact material | CuZn |
| Contact surface material | Au |
| Contact carrier material | PA |
| Material, knurls | CuZn alloy, nickel-plated |
| Sealing material | FKM |
| Additional material specifications | PU 2K (Grout material) |

Cable

| | |
|------------------------------------|--|
| Cable type | UL/cUL stranded hook-up wire |
| Conductor cross section | 1.31 mm ² |
| AWG signal line | 16 |
| Core diameter including insulation | 2 mm |
| Wire colors | Black, brown, blue, white |
| Material conductor insulation | mPPE |
| Conductor material | Bare Cu litz wires |
| Standards/specifications | M12 connector IEC 61076-2-111 In line with |

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Technical data

Cable

| | |
|---------------------------------|--|
| Flame resistance | in acc. to UL 1581 VW1 |
| Halogen-free | yes |
| Ambient temperature (operation) | -40 °C ... 105 °C (cable, fixed installation) |
| | -20 °C ... 105 °C (cable, flexible installation) |

Standards and Regulations

| | |
|--|------------------------|
| Standard designation | M12 connector |
| Standards/regulations | IEC 61076-2-111 |
| Flame resistance | in acc. to UL 1581 VW1 |
| Halogen-free | yes |
| Flammability rating according to UL 94 | V0 |

Environmental Product Compliance

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

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27140815 |
| eCl@ss 4.1 | 27140815 |
| eCl@ss 5.0 | 27143423 |
| 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

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|---------------|----------|
| UNSPSC 6.01 | 31251501 |
| UNSPSC 7.0901 | 31251501 |

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Classifications

UNSPSC

| | |
|--------------|----------|
| UNSPSC 11 | 31251501 |
| UNSPSC 12.01 | 31251501 |
| UNSPSC 13.2 | 39121413 |

Approvals


Approvals

Approvals

cUL Listed / EAC

Ex Approvals

Approval details

| | | | |
|----------------------------|---|---|---------------|
| cUL Listed |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 468743 |
| Nominal voltage UN | 63 V | | |
| Nominal current IN | 12 A | | |
| mm ² /AWG/kcmil | 16 | | |

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