

Flush-type connector - SACC-DSI-M12FSS-4CON-M16/2,5PE - 1051350

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Flush-type connector, Power, 4-position, Socket, M12, S power, Rear mounting, M16 x 1.5, Individual wires, UL/cUL stranded hook-up wire

Your advantages

- ✓ For compact devices: transmit high power in a confined space
- ✓ Protection against mismatching thanks to S-coding
- ✓ 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



Key Commercial Data

| | |
|------------------------|---|
| Packing unit | 1 pc |
| Minimum order quantity | 50 pc |
| GTIN |  4 055626 673424 |
| GTIN | 4055626673424 |

Technical data

Dimensions

| | |
|--------------------|-----|
| Fixed cable length | 2.5 |
|--------------------|-----|

Ambient conditions

| | |
|---------------------------------|-----------------------------|
| Ambient temperature (operation) | -25 ... -85 (Plug / socket) |
|---------------------------------|-----------------------------|

General

| | |
|-----------------------------|---|
| Standards/regulations | M12 connector based on IEC 61076-2-111 In line with |
| Design | Pin |
| Tightening torque nut | 3 Nm ... 4 Nm (M12 connector) |
| Insertion/withdrawal cycles | > 100 |

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Technical data

General

| | |
|----------------------|---------------|
| Overvoltage category | III |
| Mounting type | Rear mounting |
| Coding | S power |
| Thread type | M16 x 1.5 |
| Cable cross section | 1.31 |
| AWG signal line | 16 |
| Rated surge voltage | 6 kV AC |
| Degree of pollution | 3 |
| Degree of protection | IP67 |
| Number of positions | 4 |
| Current | 12 A |
| Voltage | 630 V |

Material

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

Connection data

| | |
|---|------------------------------|
| Connection method | Individual wires |
| Contact resistance with connected conductor | ≤ 3 mΩ |
| Cable type | UL/cUL stranded hook-up wire |
| Type of contact | Pin |

Standards and Regulations

| | |
|--|--|
| Standards/specifications | M12 connector based on IEC 61076-2-111 In line with |
| Flame resistance | in acc. to UL 1581 VW1 |
| Halogen-free | yes |
| Flammability rating according to UL 94 | V0 |
| Safety note | WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property. |
| | • WARNING: Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible. |
| | • WARNING: Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product. |
| | • The products are suitable for applications in plant, controller, and electrical device engineering. |
| | • When operating the connectors in outdoor applications, they must be separately protected against environmental influences. |

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Standards and Regulations

| | |
|--|--|
| | <ul style="list-style-type: none"> Assembled products may not be manipulated or improperly opened. |
| | <ul style="list-style-type: none"> Only use mating connectors that are specified in the technical data of the standards listed (e.g. the ones listed in the product accessories online at phoenixcontact.com/products). |
| | <ul style="list-style-type: none"> When using the product in direct connection with third-party manufacturers, the user is responsible. |
| | <ul style="list-style-type: none"> For operating voltages > 50 V AC, conductive connector housings must be grounded |
| | <ul style="list-style-type: none"> Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards. |
| | <ul style="list-style-type: none"> Observe the corresponding technical data. You will find information: <ul style="list-style-type: none"> On the product On the packing label In the supplied documentation Online at phoenixcontact.com/products under the product |
| | <ul style="list-style-type: none"> Only use tools recommended by Phoenix Contact |
| | <ul style="list-style-type: none"> Use a protective cap to protect connectors that are not in use. The suitable accessories are available online in the accessory section of the product at phoenixcontact.com/products |
| | <ul style="list-style-type: none"> Ensure that the protective or functional ground has been properly connected. |
| | <ul style="list-style-type: none"> VDE 0100/1.97 § 411.1.3.2 and DIN EN 60 204/11.98 § 14.1.3 are applicable when combining several circuits in a cable and/or connector |
| | <ul style="list-style-type: none"> The connector warms up in normal operation. Depending on the ambient conditions, the surface of the connector can continue to warm up. In this case, the user is responsible for posting warnings (e.g. DIN EN ISO 13732-1:2008-12). |

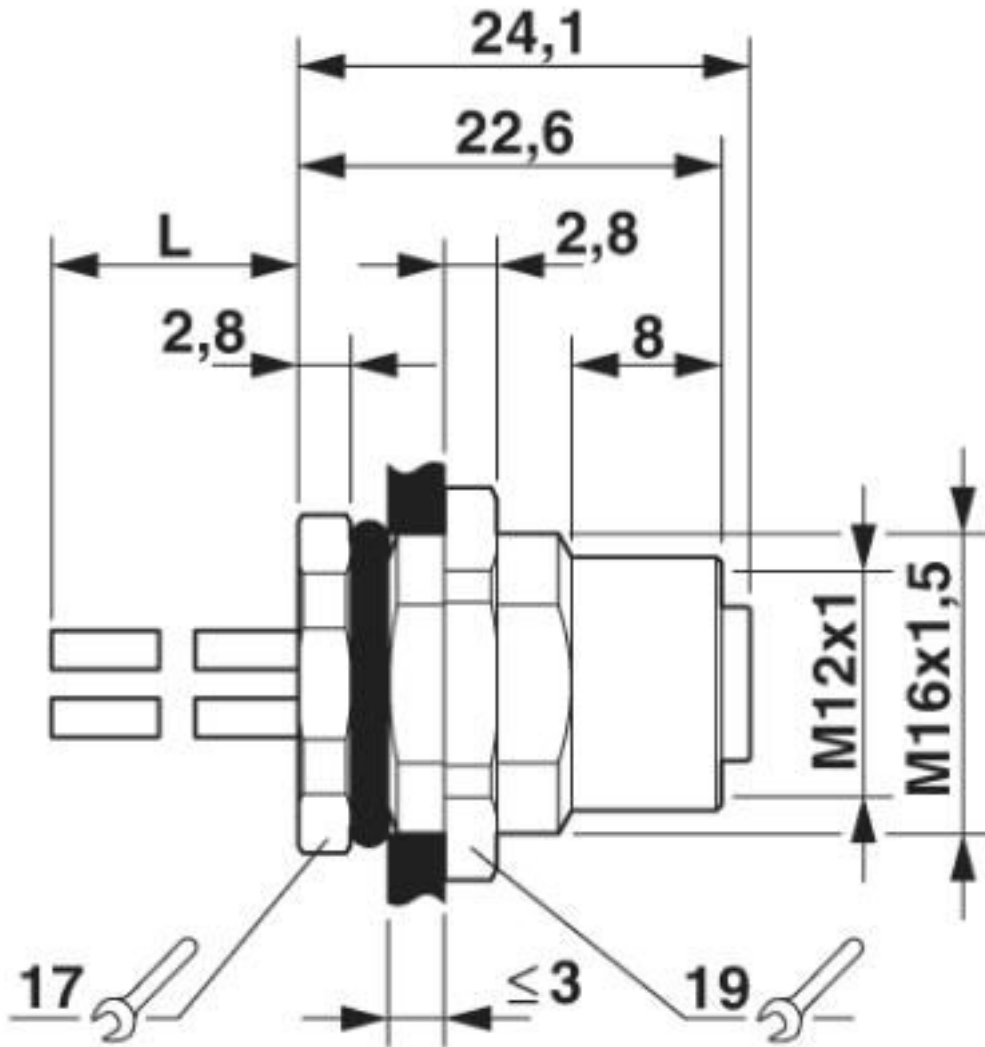
Environmental Product Compliance

| | |
|------------|---|
| 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-DSI-M12FSS-4CON-M16/2,5PE - 1051350

Dimensional drawing



M12 flush-type socket

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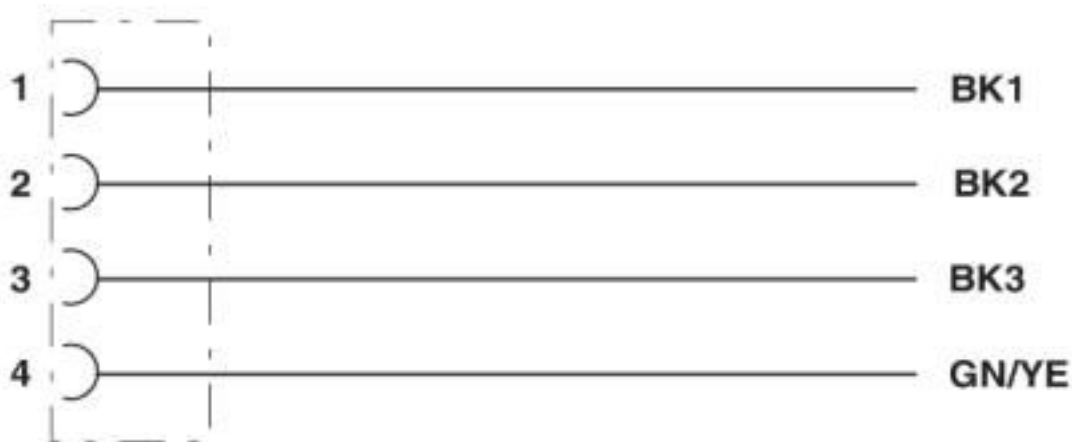
Schematic diagram



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

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Circuit diagram



Contact assignment of the M12 socket

Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27440102 |
| eCl@ss 11.0 | 27440102 |
| eCl@ss 8.0 | 27440103 |
| eCl@ss 9.0 | 27440102 |

ETIM

| | |
|----------|----------|
| ETIM 5.0 | EC002061 |
| ETIM 6.0 | EC002061 |

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

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

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