# SACC-DSI-M12MSL-4CON-M16XL/1,0 - Device connector rear mounting

1163034

https://www.phoenixcontact.com/us/products/1163034

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Device connector rear mounting, Power, 4-position, Pin, straight, M12, coding: L, Rear mounting, M16 x 1.5, Individual wires, cable length: 1 m, 2.50 mm$^2$, PEX litz wire, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1238564

## Your advantages

- For compact devices: transmit high power in a confined space
- Easy-to-install, optimized XL housing contour with wrench size 19
- Mechanical tightening limitation for long-term-stable gasket
- Preassembled 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

## Commercial data

| | |
|---|---|
| Item number | 1163034 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB24 |
| Product key | ABQCGG |
| GTIN | 4063151173715 |
| Weight per piece (including packing) | 135 g |
| Weight per piece (excluding packing) | 135 g |
| Customs tariff number | 85444290 |
| Country of origin | DE |

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## Technical data

### Notes

| General | 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. |
|---|---|
| General | Lock nut is included in the scope of delivery |

### Mounting

| Mounting type | Rear mounting M16 x 1.5 Tightening limitation |
|---|---|
| Assembly instructions | Tightening limitation |

### Product properties

| Product type | Circular connectors (device side) |
|---|---|
| Sensor type | Power |
| Number of positions | 4 |
| No. of cable outlets | 1 |
| Shielded | no |
| Coding | L |
| Thread type | M12 |

| Insulation characteristics | |
|---|---|
| Overvoltage category | III |
| Degree of pollution | 3 |

### Material specifications

| Seal material | FKM |
|---|---|
| Contact material | CuZn |
| Contact surface material | Au |
| Contact carrier material | PA |
| Material for screw connection | Zinc die-cast, nickel-plated |
| Conductor material | Tin-plated Cu litz wires |

### Electrical properties

| Rated surge voltage | 1.5 kV |
|---|---|
| | 1.5 kV AC/DC |
| Nominal voltage $U_N$ | 63 V DC |
| Nominal current $I_N$ | 16 A |
| Test voltage | 1.5 kV |

### Connection data

## Conductor connection

| | |
|---|---|
| Connection method | Individual wires |
| Contact connection type | Pin |
| Conductor cross section | 2.5 mm² |

## Connector

### Connection 1

| | |
|---|---|
| Head design | Pin |
| Head cable outlet | straight |
| Head thread type | M12 |
| Coding | L |

## Cable/line

| | |
|---|---|
| Cable length | 1 m |
| Cable type | PEX litz wire |
| Signal type/category | Power |
| Single wire, color | brown 1, white 2, blue 3, black 4 |
| Cable cross section | 2.5 mm² |
| Conductor material | Tin-plated Cu litz wires |
| AWG signal line | 14 |
| Material wire insulation | PE-X |
| Halogen-free | according to IEC 60754-1 |
| Flame resistance | in acc. with UL FT-2 |
| Ambient temperature (operation) | -40 °C ... 85 °C (without mechanical actuation) |
| | -40 °C ... 85 °C (without mechanical actuation) |
| | -25 °C ... 105 °C (Cable, flexible installation) |

## Environmental and real-life conditions

### Ambient conditions

| | |
|---|---|
| Degree of protection | IP67 |
| | IP65/IP67 |
| Ambient temperature (operation) | -25 °C ... 85 °C (Plug / socket) |
| | -40 °C ... 85 °C (without mechanical actuation) |
| | -25 °C ... 105 °C (Cable, flexible installation) |
| | -40 °C ... 105 °C (cable, fixed installation) |

## Standards and regulations

| | |
|---|---|
| Flame resistance | in acc. with UL FT-2 |

### M12

| | |
|---|---|
| Standard designation | M12 connector |
| Standards/specifications | IEC 61076-2-111 |

| Note | In line with |
| --- | --- |

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## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-11.0 | 27440102 |
| ECLASS-12.0 | 27440116 |
| ECLASS-13.0 | 27440116 |

### ETIM

| | |
|---|---|
| ETIM 9.0 | EC002635 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 39121400 |

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## Environmental product compliance

| REACh SVHC | Lead 7439-92-1 |
|---|---|

| China RoHS | Environmentally Friendly Use Period = 50 years |
|---|---|
|  | For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads" |