# SACC-DSI-M12MSL4CON-M16XL-L180 - Device connector rear mounting

1425592

https://www.phoenixcontact.com/us/products/1425592

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Device connector rear mounting, Power, 4-position, Pin, straight, M12, L-coding, Wave soldering, this item is expected to be lead-free from Q1 2027 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

## Your advantages

- Easy PCB assembly: one-piece connectors for wave soldering
- 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

## Commercial data

| | |
|---|---|
| Item number | 1425592 |
| Packing unit | 20 pc |
| Minimum order quantity | 20 pc |
| Note | Made to order (non-returnable) |
| Sales key | AB26 |
| Product key | ABQEGN |
| GTIN | 4055626428451 |
| Weight per piece (including packing) | 17.8 g |
| Weight per piece (excluding packing) | 16.578 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

# Technical data

## Notes

| | |
|---|---|
| Notes on operation | 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. |
| Order information: | Lock nut is included in the scope of delivery |

## Mounting

| | |
|---|---|
| Mounting type | Rear mounting (M16 x 1.5, with flat nut) |

## Product properties

| | |
|---|---|
| Product type | Circular connectors (device side) |
| Application | Power |
| Number of positions | 4 |
| Seal present | yes |
| Shielded | no |
| Coding | L |
| Thread type | M12 |

### Insulation characteristics

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

## Material specifications

| | |
|---|---|
| Material Housing | GD-Zn |
| Material Housing surface | Ni |
| Material Contact carrier | PA |
| Material Contact | CuZn |
| Material Contact surface | Au |
| Material Seal | FKM |
| Flammability rating according to UL 94 | V0 |

## Electrical properties

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

## Connection data

### Conductor connection

| | |
|---|---|
| Connection method | Wave soldering |

| | |
|---|---|
| Contact connection type | Pin |

## Mechanical properties

Mechanical data

| | |
|---|---|
| Insertion/withdrawal cycles | > 100 |

## Interfaces

| | |
|---|---|
| Signal type/category | Power |

## Connector

Connection 1

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

## Environmental and real-life conditions

Ambient conditions

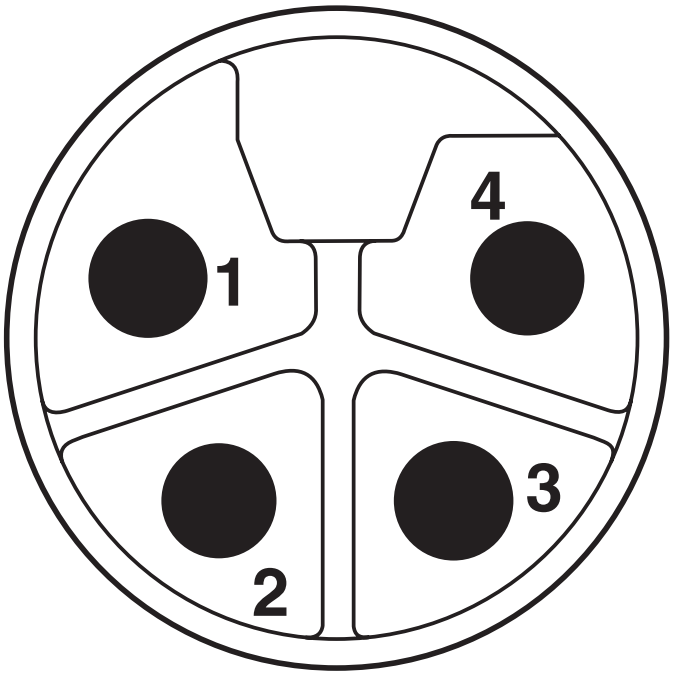
| | |
|---|---|
| Degree of protection | IP65 (When plugged in) |
| | IP67 (When plugged in) |
| | IP65/IP67 |
| Ambient temperature (operation) (male connector/female connector) | -25 °C ... 85 °C |
| | -40 °C ... 85 °C (without mechanical actuation) |
| UL Type Rating | Type 4 (indoor use only) |

## Standards and regulations

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

## Drawings

Schematic diagram




Pin assignment of M12 connector, 4-pos., L-coded, pin side view

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1425592

**cULus Recognized**
Approval ID: E468743-20180113

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 63 V | 16 A | - | - |

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27440110 |
| ECLASS-15.0 | 27440110 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC003568 |

### UNSPSC

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

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c) |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | 2212403f-dae6-4373-b33d-f2318dcb1799 |


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