# SACC-DSI-FSD-4CON-M16-L180 PP - Device connector rear mounting

1027696

https://www.phoenixcontact.com/gb/products/1027696

Device connector rear mounting, 4-position, Socket, straight, M12-Push-pull external locking, coding: D, Rear mounting, M16 x 1.5, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1238102

## Your advantages

- Established M12 standard for secure transmission of signals, data, and power
- Easy and quick cabling of devices and systems in hard-to-reach areas
- Manufacturer-independent M12 push-pull locking system for maximum availability
- Reliable shield connection even under extreme mechanical strain
- Compatible with connectors with screw or push-in connection

## Commercial data

| | |
|---|---|
| Item number | 1027696 |
| Packing unit | 12 pc |
| Minimum order quantity | 12 pc |
| Sales key | ABQEDJ |
| Product key | ABQEDJ |
| GTIN | 4055626534015 |
| Weight per piece (including packing) | 24.54 g |
| Weight per piece (excluding packing) | 17.819 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 |
| General | Push-pull external locking |

### Mounting

| | |
|---|---|
| Mounting type | Rear mounting M16 x 1.5 With flat nut |
| Assembly note | With flat nut |

### Product properties

| | |
|---|---|
| Product type | Circular connectors (device side) |
| Application | Data |
| | Signal |
| Number of positions | 4 |
| Shielded | yes |
| Coding | D |
| Thread type | M12 |

#### Insulation characteristics

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

### Dimensions

| | |
|---|---|
| Length of the solder pin | 6 mm |
| | 6 mm |

### Material specifications

| | |
|---|---|
| Material (Housing) | CuZn/Ni |
| Flammability rating according to UL 94 | V0 |
| Seal material | NBR/FKM |
| Contact material | CuZn |
| Contact surface material | Au |
| Contact carrier material | PA 6.6 |

### Electrical properties

| | |
|---|---|
| Rated surge voltage | 1.5 kV |
| Nominal voltage $U_N$ | 250 V |

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| Nominal current $I_N$ | 4 A |
|---|---|

## Connection data

### Conductor connection

| Connection method | Wave soldering |
|---|---|
| Contact connection type | Socket |
| Tightening torque | 3 Nm ... 4 Nm (Installation-side) |

## Mechanical properties

### Mechanical data

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

## Connector

### Connection 1

| Head design | Socket |
|---|---|
| Head cable outlet | straight |
| Head thread type | M12 |
| Head locking type | Push-pull external locking |
| Coding | D |

## 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) |

## Standards and regulations

| Standard designation | M12 circular connector |
|---|---|
| Standards/specifications | based on IEC 61076-2-010 |
| Note | Push-pull (type 2) |
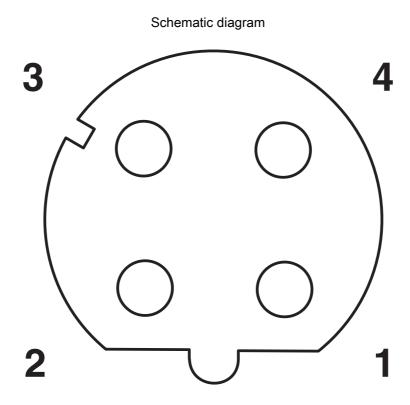
## Drawings

Schematic diagram

Pin assignment M12 socket, 4-pos., D-coded, female side

## Approvals

☼ To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/1027696

**cULus Recognized**
Approval ID: E221474-20140616

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section mm$^2$ |
|---|---|---|---|---|
| | 250 V | 4 A | - | - |

## Classifications

### ECLASS

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

### ETIM

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

### 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 | 126e5119-3157-421c-9a12-4ed0cb033d9f |

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