# SACC-DSI-FS-3CON-M16/0,5-18AWG - Device connector rear mounting

1020174

https://www.phoenixcontact.com/us/products/1020174

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Device connector rear mounting, 3-position, Socket, straight, M12, A-coding, on free cable end, Individual wires, cable length: 0.5 m, 0.75 $mm^2$, potted, this item is expected to be lead-free from Q3 2026 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

## Commercial data

| | |
|---|---|
| Item number | 1020174 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB24 |
| Product key | ABQCHB |
| GTIN | 4055626516240 |
| Weight per piece (including packing) | 42.4 g |
| Weight per piece (excluding packing) | 30.252 g |
| Customs tariff number | 85444290 |
| Country of origin | DE |

## Technical data

### Notes

| | |
|---|---|
| Order information: | Lock nut is included in the scope of delivery |

### Mounting

| | |
|---|---|
| Mounting type | Rear mounting (M16 x 1,5) |

### Product properties

| | |
|---|---|
| Product type | Circular connectors (device side) |
| Application | Signal |
| Number of positions | 3 |
| Coding | A |
| Thread type | M12 |

Insulation characteristics

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

### Material specifications

| | |
|---|---|
| Material Molding compound | PUR (potted) |

### Electrical properties

| | |
|---|---|
| Rated surge voltage | 2.5 kV AC |
| Nominal voltage $U_N$ | 250 V |
| Nominal current $I_N$ | 4 A |

### Connection data

Conductor connection

| | |
|---|---|
| Connection method | Individual wires |
| Contact connection type | Socket |
| Conductor cross-section | 0.75 mm² |

### Mechanical properties

Mechanical data

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

### Connector

Connection 1

| | |
|---|---|
| Head design | Socket |
| Head cable outlet | straight |
| Head thread type | M12 |

| | |
|---|---|
| Coding | A |

Connection 2

| | |
|---|---|
| Head design | free cable end |

## Cable/line

| | |
|---|---|
| Cable length | 0.5 m |
| Cable cross section | 0.75 mm² |

## Environmental and real-life conditions

Ambient conditions

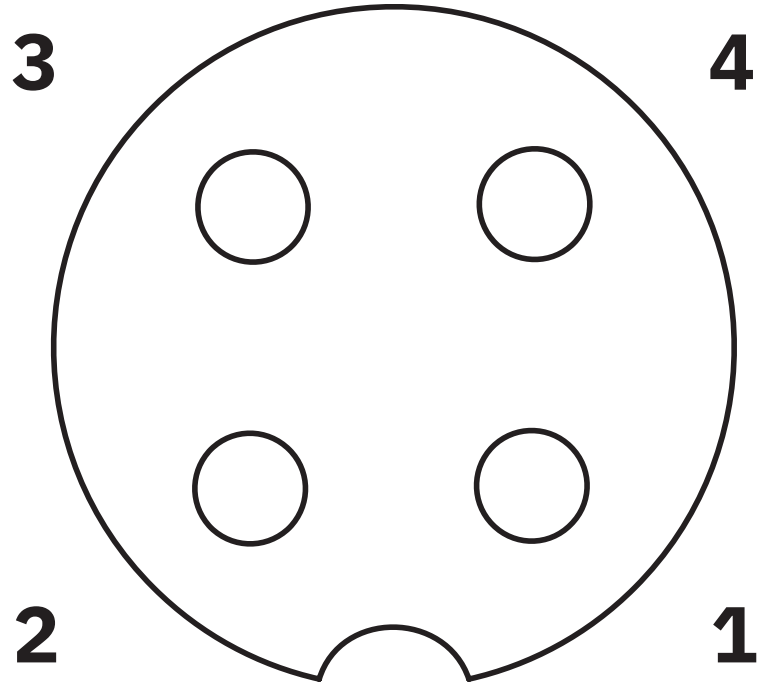
| | |
|---|---|
| Degree of protection | IP67 (When plugged in) |
| | IP65 (When plugged in) |
| | IP65/IP67 |
| Ambient temperature (operation) | -25 °C ... 85 °C |
| UL Type Rating | Type 4 (indoor use only) |

## Standards and regulations

| | |
|---|---|
| Standard designation | M12 circular connector |
| Standards/specifications | according to IEC 61076-2-101 |

## Drawings

Schematic diagram




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

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1020174

**UL Recognized**
Approval ID: E118976-20100522

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 250 V | 4 A | 22 | - |

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27440103 |
| ECLASS-15.0 | 27440103 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC003570 |

### 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 | 7654a713-e212-4ed1-86d5-566ecd968f6a |


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