# SACC-DSI-M 8MS-4CON-L180 SH - Device connector rear mounting

1456019

https://www.phoenixcontact.com/us/products/1456019

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Device connector rear mounting, Universal, 4-position, Pin, straight, M8, A-coding, Wave soldering

## Your advantages

- Easy PCB assembly: one-piece connectors for wave soldering
- Standard pin assignments and codings for signal transmission with a uniform design-in design
- For high transmission reliability: optional shield connection to the housing and latching on the PCB

## Commercial data

| | |
|---|---|
| Item number | 1456019 |
| Packing unit | 20 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB22 |
| Product key | ABQJAA |
| GTIN | 4046356605946 |
| Weight per piece (including packing) | 6.13 g |
| Weight per piece (excluding packing) | 5.976 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

## Technical data

### Mounting

| | |
|---|---|
| Mounting type | Rear mounting (M8 x 1, with flat nut) |
| Tightening torque | 1 Nm ... 1.5 Nm (Installation-side) |

### Product properties

| | |
|---|---|
| Product type | Circular connectors (device side) |
| Number of positions | 4 |
| Shielded | yes |
| Coding | A |
| Thread type | M8 |

Insulation characteristics

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

### Material specifications

| | |
|---|---|
| Material Housing | GD-Zn |
| Material Housing surface | Ni |
| Material Insulating body | PA 6.6 |
| Material Contact | Cu alloy |
| Material Contact surface | Au |
| Material Seal | NBR |
| Flammability rating according to UL 94 | HB |

### Electrical properties

| | |
|---|---|
| Rated surge voltage | 1.5 kV |
| Contact resistance | ≤ 3 mΩ |
| Insulation resistance | ≥ 100 MΩ |
| Nominal voltage $U_N$ | 48 V AC |
| | 60 V DC |
| Nominal current $I_N$ | 4 A |

### Connection data

Conductor connection

| | |
|---|---|
| Connection method | Wave soldering |
| Contact connection type | Pin |
| Tightening torque | 1 Nm ... 1.5 Nm (Installation-side) |

### Interfaces

| | |
|---|---|
| Signal type/category | Universal |

## Connector

Connection 1

| | |
|---|---|
| Head design | Pin |
| Head cable outlet | straight |
| Head thread type | M8 |
| Coding | A |

## Environmental and real-life conditions

Ambient conditions

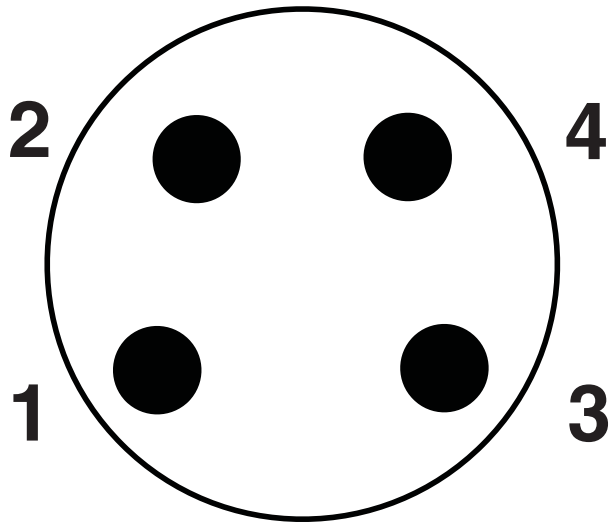
| | |
|---|---|
| Degree of protection | IP67 |
| Ambient temperature (operation) (male connector/female connector) | -40 °C ... 85 °C |
| Ambient temperature (operation) | -25 °C ... 85 °C |
| UL Type Rating | Type 4 (indoor use only) |

## Standards and regulations

| | |
|---|---|
| Standard designation | M8 circular connector |
| Standards/specifications | according to IEC 61076-2-104 |

## Drawings

Schematic diagram




Pin assignment M8 plug, 4-pos., view male side

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1456019

**cUL Recognized**
Approval ID: E221474-20070307

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 30 V | 4 A | 24 | - |

**UL Recognized**
Approval ID: E221474-20070307

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 30 V | 4 A | 24 | - |

## 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 | 8064f459-fa3d-444d-80fd-4c0be55af2fd |

EF3.1 Climate Change

| | |
|---|---|
| CO2e kg | 0.986 kg CO2e |


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