# SACC-DSIV-M12MS-5CON-L180 SH ST X - Device connector rear mounting

1396611

https://www.phoenixcontact.com/us/products/1396611

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Device connector rear mounting, 5-position, Pin,  straight, M12, A-coding, Wave soldering

## Your advantages

- Standard pin assignments and codings for signal and data transmission with a uniform design-in design
- Easy PCB mounting: two-piece connectors for wave soldering
- Secure assembly: locking clips for fixing onto the PCB
- Sustainable and future-proof: lead-free in accordance with RoHS II without Exemption 6c
- Worldwide availability through global distribution channels

## Commercial data

| | |
|---|---|
| Item number | 1396611 |
| Packing unit | 10 pc |
| Minimum order quantity | 10 pc |
| Sales key | AB23 |
| Product key | ABQEGA |
| GTIN | 4063151781507 |
| Weight per piece (including packing) | 11.91 g |
| Weight per piece (excluding packing) | 11.82 g |
| Customs tariff number | 85366990 |
| Country of origin | CN |

## Technical data

### Mounting

| | |
|---|---|
| Mounting type | Rear mounting (M12 x 1, with locking nut) |

### Product properties

| | |
|---|---|
| Product type | Circular connectors (device side) |
| Number of positions | 5 |
| Shielded | yes |
| Coding | A |
| Thread type | M12 |

Insulation characteristics

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

### Material specifications

| | |
|---|---|
| Material Housing | Zinc alloy |
| Material Contact carrier | PA 10T |
| Material Contact | Copper alloy |
| Material Contact surface | Ni/Au |
| Material Seal | FKM |
| Flammability rating according to UL 94 | V-0 |

### Electrical properties

| | |
|---|---|
| Rated surge voltage | 1.5 kV |
| Insulation resistance | ≥ 100 MΩ |
| Nominal voltage $U_N$ | 60 V |
| Nominal current $I_N$ | 4 A |

### Connection data

Conductor connection

| | |
|---|---|
| Connection method | Wave soldering |
| Contact connection type | Pin |

### Mechanical properties

Mechanical data

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

### Connector

Connection 1

| | |
|---|---|
| Head design | Pin |

| | |
|---|---|
| Head cable outlet | straight |
| Head thread type | M12 |
| Coding | A |

## Environmental and real-life conditions

Ambient conditions

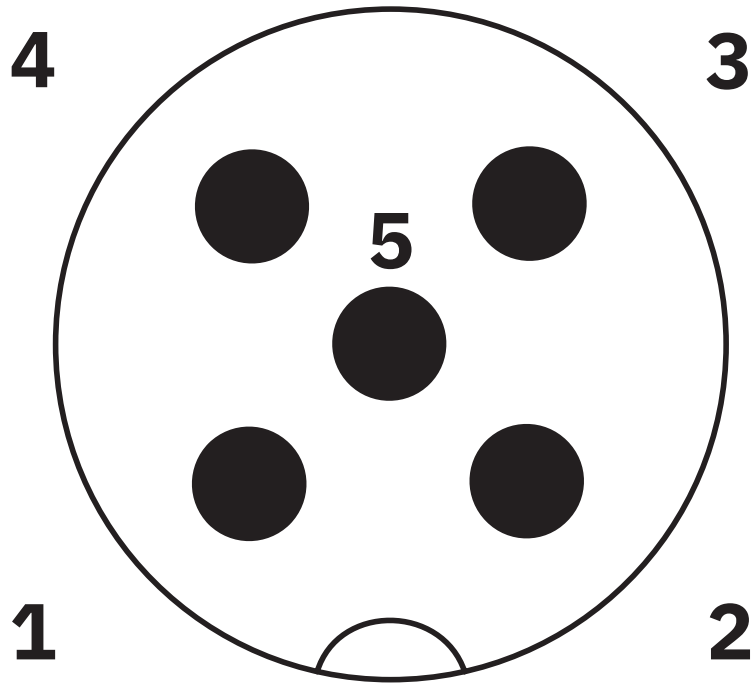
| | |
|---|---|
| Degree of protection | IP67 |
| Ambient temperature (operation) (male connector/female connector) | -25 °C ... 85 °C |
| UL Type Rating | Type 4 (indoor use only) |

## Standards and regulations

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

## Drawings

Schematic diagram




Pin assignment M12 male connector, 5-pos., A-coded, male side

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1396611

**cULus Recognized**
Approval ID: E529600-20230307

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 60 V | 4 A | 22 | - |

## Classifications

### ECLASS

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

### ETIM

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

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |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