

SACC-DSI-MS-5CON-M16-L180 PP - Device connector rear mounting



1027676

<https://www.phoenixcontact.com/us/products/1027676>

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Device connector rear mounting, 5-position, Pin, straight, M12-Push-pull external locking, A-coding, Wave soldering, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1027676 |
| Packing unit | 20 pc |
| Minimum order quantity | 20 pc |
| Sales key | AB26 |
| Product key | ABQECJ |
| GTIN | 4055626533926 |
| Weight per piece (including packing) | 17.53 g |
| Weight per piece (excluding packing) | 16.185 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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Technical data

Notes

| | |
|--------------------|---|
| 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) |
| Number of positions | 5 |
| Shielded | no |
| Coding | A |
| 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 | GD-Zn |
| Material Housing surface | Ni |
| Material Contact carrier | PA 6.6 |
| Material Contact | CuZn |
| Material Contact surface | Au |
| Material Seal | NBR |
| Flammability rating according to UL 94 | V0 |

Electrical properties

| | |
|-----------------------|--------|
| Rated surge voltage | 1.5 kV |
| 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

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Mechanical data

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

Connector

Connection 1

| | |
|-------------------|----------------------------|
| Head design | Pin |
| Head cable outlet | straight |
| Head thread type | M12 |
| Head locking type | Push-pull external locking |
| 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 | based on IEC 61076-2-010 |
| Note | Push-pull |

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Drawings

Schematic diagram



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

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1027676>

|  cULus Recognized Approval ID: E221474-20140616 | | | | |
|--|-----------------------|-----------------------|-------------------|----------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 60 V | 4 A | - | - |

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Classifications

ECLASS

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

ETIM

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

UNSPSC

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

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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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