

SACC-DSI-M12MS-5CON-L180 VA - Device connector rear mounting



1554746

<https://www.phoenixcontact.com/us/products/1554746>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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

Your advantages

- Easy PCB assembly: one-piece connectors for wave soldering
- All standard pin assignments and codings for signal, data, and power transmission with a uniform design-in design

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1554746 |
| Packing unit | 20 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB26 |
| Product key | ABQEOL |
| GTIN | 4046356170413 |
| Weight per piece (including packing) | 15.685 g |
| Weight per piece (excluding packing) | 14.3 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

SACC-DSI-M12MS-5CON-L180 VA - Device connector rear mounting



1554746

<https://www.phoenixcontact.com/us/products/1554746>

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 |

Mounting

| | |
|-------------------|---------------------------------------|
| Mounting type | Rear mounting (Pg9, with locking nut) |
| Tightening torque | 3 Nm ... 4 Nm (Installation-side) |

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 | Steel |
| Material Contact carrier | PA 6.6 |
| Material Contact | CuZn |
| Material Contact surface | Au |
| Material Seal | FKM |
| Flammability rating according to UL 94 | V0 |
| Contact carrier color | black |

Electrical properties

| | |
|-----------------------|----------|
| Rated surge voltage | 1.5 kV |
| Contact resistance | ≤ 3 mΩ |
| Insulation resistance | ≥ 100 MΩ |
| Nominal voltage U_N | 60 V |

SACC-DSI-M12MS-5CON-L180 VA - Device connector rear mounting



1554746

<https://www.phoenixcontact.com/us/products/1554746>

| | |
|-----------------------|--------|
| Nominal current I_N | 4 A |
| Test voltage | 1.5 kV |

Connection data

Conductor connection

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

Mechanical properties

Mechanical data

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

Connector

Connection 1

| | |
|-------------------|----------|
| Head design | Pin |
| Head cable outlet | straight |
| Head thread type | M12 |
| Head locking type | Standard |
| Coding | A |

Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Degree of protection | IP65/IP67/IP69/IP69K |
| | IP65/IP67/IP69K |
| Ambient temperature (operation) (male connector/female connector) | -25 °C ... 85 °C |
| | -40 °C ... 85 °C (without mechanical actuation) |
| UL Type Rating | Type 4 (indoor use only) |

Standards and regulations

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

SACC-DSI-M12MS-5CON-L180 VA - Device connector rear mounting



1554746

<https://www.phoenixcontact.com/us/products/1554746>

Drawings

Schematic diagram



Pin assignment M12 plug, 8-pos., view plug side

SACC-DSI-M12MS-5CON-L180 VA - Device connector rear mounting



1554746

<https://www.phoenixcontact.com/us/products/1554746>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1554746>

|  cUL Recognized Approval ID: E118976-20100522 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 60 V | 4 A | 22 | - |

|  UL Recognized Approval ID: E118976-20100522 | | | | |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 60 V | 4 A | 22 | - |

|  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 | - | - |

SACC-DSI-M12MS-5CON-L180 VA - Device connector rear mounting



1554746

<https://www.phoenixcontact.com/us/products/1554746>

Classifications

ECLASS

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

ETIM

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

UNSPSC

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

SACC-DSI-M12MS-5CON-L180 VA - Device connector rear mounting



1554746

<https://www.phoenixcontact.com/us/products/1554746>

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% |
|-------------------------------------|----------------------------|

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com