

SACC-DSI-M12FS-4CON-L180 VA - Device connector rear mounting



1404974

<https://www.phoenixcontact.com/no/products/1404974>

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Device connector rear mounting, 4-position, Socket, straight, M12, coding: A, Rear mounting, Pg9, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1238708

Your advantages

- Easy PCB assembly: one-piece connectors for wave soldering

Commercial data

| | |
|--------------------------------------|---------------------|
| Item number | 1404974 |
| Packing unit | 20 pc |
| Minimum order quantity | 20 pc |
| Sales key | 31BAB |
| Product key | ABQEPL |
| Catalog page | Page 270 (C-2-2013) |
| GTIN | 4046356740753 |
| Weight per piece (including packing) | 15.45 g |
| Weight per piece (excluding packing) | 15.2 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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Technical data

Notes

| | |
|---------|--|
| General | 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. |
| General | Lock nut is included in the scope of delivery |

Mounting

| | |
|-----------------------|------------------------------------|
| Mounting type | Rear mounting Pg9 With locking nut |
| Assembly instructions | With locking nut |

Product properties

| | |
|---------------------|-----------------------------------|
| Product type | Circular connectors (device side) |
| Number of positions | 4 |
| Shielded | no |
| Coding | A 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

| | |
|--|-----------------|
| Flammability rating according to UL 94 | V0 |
| Seal material | FKM |
| Contact material | CuZn |
| Contact surface material | Au |
| Contact carrier material | PA 6.6 |
| Material for screw connection | Stainless steel |

Electrical properties

| | |
|-----------------------|----------|
| Rated surge voltage | 2.5 kV |
| Contact resistance | ≤ 3 mΩ |
| Insulation resistance | ≥ 100 MΩ |
| Nominal voltage U_N | 250 V |

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| | |
|-----------------------|--------|
| Nominal current I_N | 4 A |
| Test voltage | 2.5 kV |

Connection data

Conductor connection

| | |
|-------------------------|-----------------------------------|
| Connection method | Wave soldering |
| Contact connection type | Socket |
| Tightening torque | 2 Nm ... 3 Nm (Installation-side) |

Mechanical properties

Mechanical data

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

Connector

Connection 1

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

Cable/line

| | |
|---------------------------------|---|
| Ambient temperature (operation) | -40 °C ... 85 °C (cable, fixed installation) |
| | -25 °C ... 85 °C (Cable, flexible installation) |

Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------|---|
| Degree of protection | IP65/IP67/IP69/IP69K |
| | IP65/IP67/IP69K |
| Ambient temperature (operation) | -25 °C ... 85 °C (Plug / socket) |
| | -40 °C ... 85 °C (without mechanical actuation) |
| | -25 °C ... 85 °C (Cable, flexible installation) |
| | -40 °C ... 85 °C (cable, fixed installation) |

Standards and regulations

M12

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

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/no/products/1404974>

|  cUL Recognized Approval ID: E118976-20100522 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| | 250 V | 4 A | 22 - 22 | - |

|  UL Recognized Approval ID: E118976-20100522 | | | | |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| | 250 V | 4 A | 22 - 22 | - |

|  cULus Recognized Approval ID: E221474-20140616 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| | 250 V | 4 A | - | - |

cULus Recognized

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27440102 |
| ECLASS-12.0 | 27440116 |
| ECLASS-13.0 | 27440116 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC002635 |
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UNSPSC

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

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Environmental product compliance

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|------------|--|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 years |
| | For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads" |

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