

SACC-DSI-FS-4CON-L180/12 SCO - Device connector rear mounting



1410777

<https://www.phoenixcontact.com/us/products/1410777>

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, 4-position, Socket, straight, M12-SPEEDCON, coding: A, Rear mounting, Solder pins, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1238856

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
- SPEEDCON fast locking system reduces cabling times

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1410777 |
| Packing unit | 20 pc |
| Minimum order quantity | 20 pc |
| Note | Made to order (non-returnable) |
| Product key | ABQEHL |
| GTIN | 4046356909273 |
| Weight per piece (including packing) | 13.719 g |
| Weight per piece (excluding packing) | 13.58 g |
| Country of origin | DE |

SACC-DSI-FS-4CON-L180/12 SCO - Device connector rear mounting



1410777

<https://www.phoenixcontact.com/us/products/1410777>

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 |
|---------------|---------------|

Product properties

| | |
|---------------------|-----------------------------------|
| Product type | Circular connectors (device side) |
| Number of positions | 4 |
| Shielded | no |
| Coding | A |
| Thread type | M12 |

Insulation characteristics

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

Dimensions

| | |
|--------------------------|-------|
| Length of the solder pin | 12 mm |
| | 12 mm |

Material specifications

| | |
|--|------------------------------|
| Flammability rating according to UL 94 | V0 |
| Seal material | NBR |
| Contact material | CuZn |
| Contact surface material | Au |
| Contact carrier material | PA 6.6 |
| Material for screw connection | Zinc die-cast, nickel-plated |

Electrical properties

| | |
|-----------------------|--------|
| Rated surge voltage | 2.5 kV |
| Nominal voltage U_N | 250 V |
| Nominal current I_N | 4 A |

Connection data

| |
|----------------------|
| Conductor connection |
|----------------------|

SACC-DSI-FS-4CON-L180/12 SCO - Device connector rear mounting



1410777

<https://www.phoenixcontact.com/us/products/1410777>

| | |
|-------------------------|-----------------------------------|
| Connection method | Solder pins |
| 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 |
| Head locking type | SPEEDCON |
| Coding | A |

Cable/line

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

Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------|---|
| Degree of protection | IP67 (When plugged in) |
| | IP65 (When plugged in) |
| | IP65/IP67 |
| 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 |

SACC-DSI-FS-4CON-L180/12 SCO - Device connector rear mounting

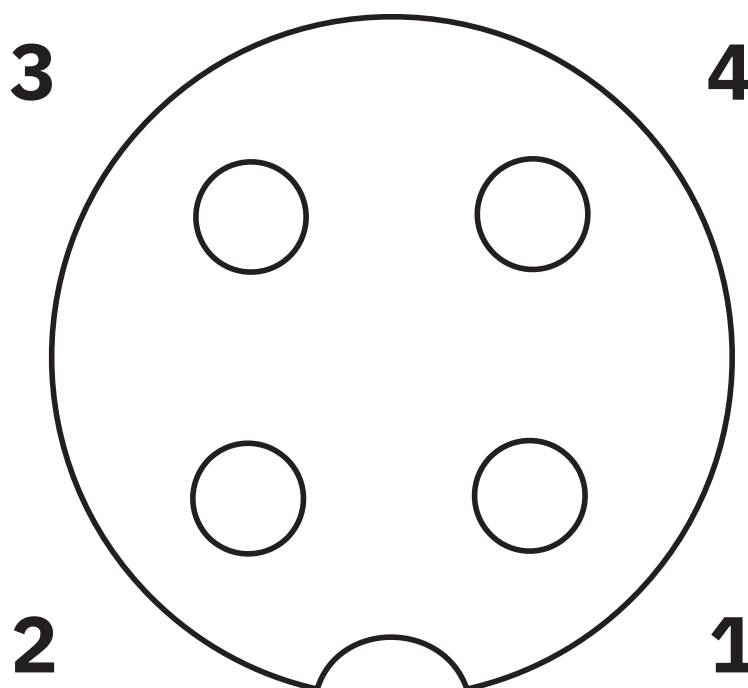


1410777

<https://www.phoenixcontact.com/us/products/1410777>

Drawings

Schematic diagram



Pin assignment M12 socket, 4-pos., A-coded, view female side

SACC-DSI-FS-4CON-L180/12 SCO - Device connector rear mounting





1410777

<https://www.phoenixcontact.com/us/products/1410777>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1410777>

| | | | | |
|---|-------------------------------|--------------------------------|--------------------------------|-------------------------------|
|  | UL Recognized | | | |
| | Approval ID: E118976-20100522 | | | |
| | | Nominal voltage U _N | Nominal current I _N | Cross section AWG |
| | | 250 V | 4 A | 22 - 22 |
| | | | | Cross section mm ² |
| | | | | - |

| | | | | |
|---|-------------------------------|--------------------------------|--------------------------------|-------------------------------|
|  | cULus Recognized | | | |
| | Approval ID: E221474-20140616 | | | |
| | | Nominal voltage U _N | Nominal current I _N | Cross section AWG |
| | | 250 V | 4 A | - |
| | | | | Cross section mm ² |
| | | | | - |

SACC-DSI-FS-4CON-L180/12 SCO - Device connector rear mounting



1410777
<https://www.phoenixcontact.com/us/products/1410777>

Classifications

ECLASS

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

ETIM

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

UNSPSC

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

SACC-DSI-FS-4CON-L180/12 SCO - Device connector rear mounting



1410777

<https://www.phoenixcontact.com/us/products/1410777>

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 | 88752408-2667-42c4-b2c6-4748613f3be7 |

SACC-DSI-FS-4CON-L180/12 SCO - Device connector rear mounting



1410777

<https://www.phoenixcontact.com/us/products/1410777>

Accessories

SACC-PG9-SEAL CLM - Flat gasket

1556320

<https://www.phoenixcontact.com/us/products/1556320>

Pg9 flat gasket, for M12 flush-type connectors with Pg9 fastening thread



PROT-M12 - Screw plug

1680539

<https://www.phoenixcontact.com/us/products/1680539>

An M12 screw plug for the unoccupied M12 sockets of the sensor/actuator cable, boxes and flush-type connectors



SACC-DSI-FS-4CON-L180/12 SCO - Device connector rear mounting



1410777

<https://www.phoenixcontact.com/us/products/1410777>

PROT-M12 SH - Screw plug

1503302

<https://www.phoenixcontact.com/us/products/1503302>



An M12 screw plug for the unoccupied M12 sockets of the shielded sensor/actuator cable, boxes and flush-type connectors

PROT-M12 FB - Screw plug

1555538

<https://www.phoenixcontact.com/us/products/1555538>



M12 high-grade steel screw plug, for unoccupied M12 sockets of the sensor/actuator cables, boxes and flush-type connectors for the food industry

Phoenix Contact 2024 © - 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