

SACC-DSI-FSX-8CON-PG9-L180 SCO - Device connector rear mounting



1404741

<https://www.phoenixcontact.com/us/products/1404741>

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, Ethernet CAT6_A (10 Gbps), 8-position, Socket, straight-SPEEDCON, coding: X, Rear mounting, M12 x 1, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1238707

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
- For high transmission reliability: optional shield connection to the housing by means of shield contact

Commercial data

| | |
|--------------------------------------|--------------------|
| Item number | 1404741 |
| Packing unit | 20 pc |
| Minimum order quantity | 20 pc |
| Sales key | AB26 |
| Product key | ABQEHL |
| Catalog page | Page 91 (C-2-2013) |
| GTIN | 4046356737029 |
| Weight per piece (including packing) | 15.752 g |
| Weight per piece (excluding packing) | 15.752 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

SACC-DSI-FSX-8CON-PG9-L180 SCO - Device connector rear mounting



1404741

<https://www.phoenixcontact.com/us/products/1404741>

Technical data

Notes

| | |
|---------|--|
| General | The electrical and mechanical data specified assumes that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of pollution, the connector must be sealed using a protective cap >IP54. Influences arising from litz wires, cables, or PCB mounting must also be taken into consideration. Additional mechanical fixing of the PCB is required. |
| General | Lock nut is included in the scope of delivery |

Mounting

| | |
|---------------|-----------------------|
| Mounting type | Rear mounting M12 x 1 |
|---------------|-----------------------|

Product properties

| | |
|---------------------|-----------------------------------|
| Product type | Circular connectors (device side) |
| Sensor type | Ethernet |
| Number of positions | 8 |
| Application | Data |
| Shielded | yes |
| Coding | X |
| Thread type | M12 |

Insulation characteristics

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

Dimensions

| | |
|--------------------------|------|
| Length of the solder pin | 6 mm |
| | 6 mm |

Material specifications

| | |
|--|-------------------------------|
| Material | Zinc die-cast (nickel-plated) |
| Flammability rating according to UL 94 | V0 |
| Seal material | FKM |
| Material of grip body | Zinc die-cast, nickel-plated |
| Contact material | CuZn |
| Contact surface material | gold-plated |
| Contact carrier material | PPA |
| Material for screw connection | Zinc die-cast, nickel-plated |

Electrical properties

| | |
|---------------------|--------|
| Rated surge voltage | 0.8 kV |
| Contact resistance | ≤ 3 mΩ |

SACC-DSI-FSX-8CON-PG9-L180 SCO - Device connector rear mounting



1404741

<https://www.phoenixcontact.com/us/products/1404741>

| | |
|---|-------------------|
| Insulation resistance | > 100 MΩ |
| Nominal voltage U_N | 50 V AC |
| | 60 V DC |
| Nominal current I_N | 0.5 A (Data) |
| Transmission characteristics (category) | CAT6 _A |

Connection data

Conductor connection

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

Mechanical properties

Mechanical data

| | |
|-----------------------------|-------|
| Insertion/withdrawal cycles | ≥ 100 |
|-----------------------------|-------|

Connector

Connection 1

| | |
|-------------------|----------|
| Head design | Socket |
| Head cable outlet | straight |
| Head locking type | SPEEDCON |
| Coding | X |

Cable/line

| | |
|----------------------|--------------------------------------|
| Signal type/category | Ethernet CAT6 _A , 10 Gbps |
|----------------------|--------------------------------------|

Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------|------------------------|
| Degree of protection | IP67 (When plugged in) |
| | IP67 |
| Ambient temperature (operation) | -40 °C ... 85 °C |

Standards and regulations

M12

| | |
|--------------------------|------------------|
| Standard designation | M12 connector |
| Standards/specifications | IEC 61076-2-109 |
| Standard designation | Shock, vibration |
| Standards/specifications | EN 50155 |

SACC-DSI-FSX-8CON-PG9-L180 SCO - Device connector rear mounting



1404741

<https://www.phoenixcontact.com/us/products/1404741>

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-FSX-8CON-PG9-L180 SCO - Device connector rear mounting



1404741

<https://www.phoenixcontact.com/us/products/1404741>

Environmental product compliance

| | |
|------------|--|
| 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" |

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