

SACC-DSI-M 8FS-3CON-M12/0,5 - Device connector, rear mounting



1453449

<https://www.phoenixcontact.com/us/products/1453449>

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, 3-position, Socket, straight, M8, Rear mounting, M12 x 1, Individual wires, cable length: 0.5 m, 0.25 mm², PVC litz wire

Your advantages

- Preassembled with litz wires for immediate use
- Customer-specific assemblies and litz wire lengths available
- Sealed on the litz wire side for optimum leak-tightness
- Standard pin assignments and codings for signal transmission with a uniform design-in design

Commercial data

| | |
|--------------------------------------|--------------------|
| Item number | 1453449 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB22 |
| Product key | ABQIDC |
| Catalog page | Page 34 (C-2-2019) |
| GTIN | 4046356554411 |
| Weight per piece (including packing) | 19.58 g |
| Weight per piece (excluding packing) | 18.2 g |
| Customs tariff number | 85444290 |
| Country of origin | DE |

SACC-DSI-M 8FS-3CON-M12/0,5 - Device connector, rear mounting



1453449

<https://www.phoenixcontact.com/us/products/1453449>

Technical data

Mounting

| | |
|-----------------------|-------------------------------------|
| Mounting type | Rear mounting M12 x 1 With flat nut |
| Assembly instructions | With flat nut |
| Connection method | Individual wires |

Product properties

| | |
|----------------------|-----------------------------------|
| Product type | Circular connectors (device side) |
| Number of positions | 3 |
| No. of cable outlets | 1 |
| Shielded | no |
| Coding | A |
| Thread type | M8 |

Insulation characteristics

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

Material specifications

| | |
|--|--------------------------|
| Flammability rating according to UL 94 | HB |
| Seal material | FKM |
| Contact material | Cu alloy |
| Contact surface material | Au |
| Contact carrier material | PUR/PA 6.6 |
| Material for screw connection | Brass, nickel-plated |
| Conductor material | Tin-plated Cu litz wires |

Electrical properties

| | |
|---------------------------|----------------------------|
| Rated surge voltage | 1.5 kV |
| Contact resistance | $\leq 3 \text{ m}\Omega$ |
| Insulation resistance | $\geq 100 \text{ M}\Omega$ |
| Nominal voltage U_N | 48 V AC 60 V DC |
| Nominal current I_N | 4 A |
| Max. conductor resistance | 80 Ω/km |

Connection data

Conductor connection

| | |
|-------------------------|----------------------|
| Connection method | Individual wires |
| Contact connection type | Socket |
| Conductor cross section | 0.25 mm ² |

SACC-DSI-M 8FS-3CON-M12/0,5 - Device connector, rear mounting



1453449

<https://www.phoenixcontact.com/us/products/1453449>

| | |
|-------------------|-------------------------------------|
| Tightening torque | 1 Nm ... 1.5 Nm (Installation-side) |
|-------------------|-------------------------------------|

Connector

Connection 1

| | |
|-------------------|----------|
| Head design | Socket |
| Head cable outlet | straight |
| Head thread type | M8 |

Cable/line

| | |
|---------------------------------|---|
| Cable length | 0.5 m |
| Cable type | PVC litz wire |
| Wire diameter incl. insulation | 1.5 mm \pm 0.1 mm |
| Single wire, color | brown, blue, black |
| Cable cross section | 0.25 mm ² |
| Conductor material | Tin-plated Cu litz wires |
| Conductor structure signal line | 7x 0.20 mm |
| AWG signal line | 24 |
| Material wire insulation | PVC / UL |
| Thickness, insulation | 0.21 mm |
| Nominal voltage, cable | 300 V |
| Test voltage, cable | 2000 V AC |
| Cable resistance | \geq 80 Ω /km |
| Cable insulation resistance | \geq 20 M Ω *km |
| Ambient temperature (operation) | -40 °C ... 105 °C (cable, fixed installation) -10 °C ... 105 °C (Cable, flexible installation) |

Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------|--|
| Degree of protection | IP67 IP67 |
| Ambient temperature (operation) | -25 °C ... 85 °C (Socket) -40 °C ... 105 °C (cable, fixed installation) -10 °C ... 105 °C (Cable, flexible installation) |

Standards and regulations

M8

| | |
|--------------------------|-----------------|
| Standard designation | M8 connector |
| Standards/specifications | IEC 61076-2-104 |

SACC-DSI-M 8FS-3CON-M12/0,5 - Device connector, rear mounting



1453449

<https://www.phoenixcontact.com/us/products/1453449>

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