

SACC-E-M 8MS-4CON-M8/0,5 - Device connector front mounting



1500347

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Device connector front mounting, 4-position, Pin, straight, M8, Front mounting, M8 x 0.5, 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

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Technical data

Mounting

| | |
|---------------|-------------------------|
| Mounting type | Front mounting M8 x 0.5 |
|---------------|-------------------------|

Product properties

| | |
|----------------------|-----------------------------------|
| Product type | Circular connectors (device side) |
| Number of positions | 4 |
| 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 | Viton |
| Contact material | Cu alloy |
| Contact surface material | Au |
| Contact carrier material | 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 | Pin |
| Conductor cross section | 0.25 mm ² |
| Tightening torque | 0.8 Nm ... 1 Nm (Installation-side) |

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Connector

Connection 1

| | |
|-------------------|----------|
| Head design | Pin |
| 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, white, 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 (Plug / 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 |

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