

# SACC-E-M 8FS-3CON-M8/0,5 - Device connector front mounting



1500350

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Device connector front mounting, 3-position, Socket, straight, M8, Front mounting, M8 x 0.5, Individual wires, cable length: 0.5 m, 0.25 mm<sup>2</sup>, 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	1500350
Packing unit	1 pc
Sales key	AB22
Product key	ABQIBA
Catalog page	Page 33 (C-2-2019)
GTIN	4017918589066
Weight per piece (including packing)	12 g
Weight per piece (excluding packing)	10.6 g
Customs tariff number	85444290
Country of origin	DE

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## Technical data

### Mounting

Mounting type	Front mounting M8 x 0.5
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	Viton
Contact material	CuSn
Contact surface material	Au
Contact carrier material	PUR
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 $\Omega/\text{km}$

### Connection data

#### Conductor connection

Connection method	Individual wires
Contact connection type	Socket
Conductor cross section	0.25 mm <sup>2</sup>
Tightening torque	0.8 Nm

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	1 Nm
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## 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 <sup>2</sup>
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	$\geq 80 \Omega/\text{km}$
Cable insulation resistance	$\geq 20 \text{ M}\Omega \cdot \text{km}$
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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