

# SACC-E-M8FS-8CON-M10/0,5 - Device connector front mounting



1424231

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Device connector front mounting, 8-position, Socket, straight, M8, Front mounting, M10, Individual wires, cable length: 0.5 m, 0.14 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	1424231
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB22
Product key	ABQIBB
Catalog page	Page 33 (C-2-2019)
GTIN	4046356712439
Weight per piece (including packing)	18.8 g
Weight per piece (excluding packing)	16.5 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Mounting

Mounting type	Front mounting M10
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### Product properties

Product type	Circular connectors (device side)
Number of positions	8
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
Contact material	Cu alloy
Contact surface material	Au
Contact carrier material	PA 6.6
Material for screw connection	Zinc die-cast, nickel-plated
Conductor material	Tin-plated Cu litz wires

### Electrical properties

Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	30 V AC
	30 V DC
Nominal current $I_N$	1.5 A
Max. conductor resistance	80 $\Omega/\text{km}$

### Connection data

#### Conductor connection

Connection method	Individual wires
Contact connection type	Socket
Conductor cross section	0.14 mm <sup>2</sup>

### Connector

#### Connection 1

Head design	Socket
Head cable outlet	straight

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Head thread type	M8
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## Cable/line

Cable length	0.5 m
Cable type	PVC litz wire
Wire diameter incl. insulation	1.3 mm ±0.1 mm
Single wire, color	white, brown, green, yellow, gray, pink, blue, red
Cable cross section	0.14 mm <sup>2</sup>
Conductor material	Tin-plated Cu litz wires
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Material wire insulation	PVC / UL
Thickness, insulation	0.38 mm
Nominal voltage, cable	300 V
Test voltage, cable	2000 V AC
Cable resistance	≥ 80 Ω/km
Cable insulation resistance	≥ 20 MΩ*km
Ambient temperature (operation)	-40 °C ... 105 °C (cable, fixed installation) -10 °C ... 105 °C

## Environmental and real-life conditions

### Ambient conditions

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

## Standards and regulations

### M8

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

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## Classifications

### ECLASS

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

### ETIM

ETIM 9.0	EC002635
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### UNSPSC

UNSPSC 21.0	39121400
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## 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"

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