

# SACC-E-M8FS-4CON-M8/2,5 - Device connector front mounting



1263391

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Device connector front mounting, 4-position, Socket, straight, M8, Front mounting, M8 x 0.5, Individual wires, cable length: 2.5 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	1263391
Packing unit	1 pc
Minimum order quantity	100 pc
Note	Made to order (non-returnable)
Sales key	AB22
Product key	ABQIBA
GTIN	4063151374242
Weight per piece (including packing)	48.7 g
Weight per piece (excluding packing)	48.7 g
Customs tariff number	85366990
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	4
No. of cable outlets	1
Shielded	no
Coding	A

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Material specifications

Flammability rating according to UL 94	HB
Seal material	FKM
Contact material	CuSn
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 $\Omega/\text{km}$

### Connection data

#### Conductor connection

Connection method	Individual wires
Tightening torque	0.8 Nm
	1 Nm

### Connector

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## Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M8

## Cable/line

Cable length	2.5 m
Cable type	PVC litz wire
Wire diameter incl. insulation	1.5 mm $\pm$ 0.1 mm
Single wire, color	brown, white, blue, black
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

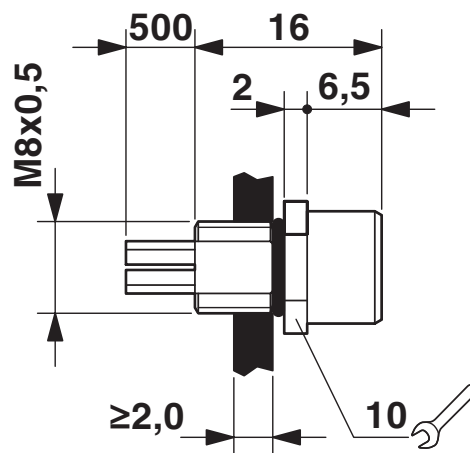
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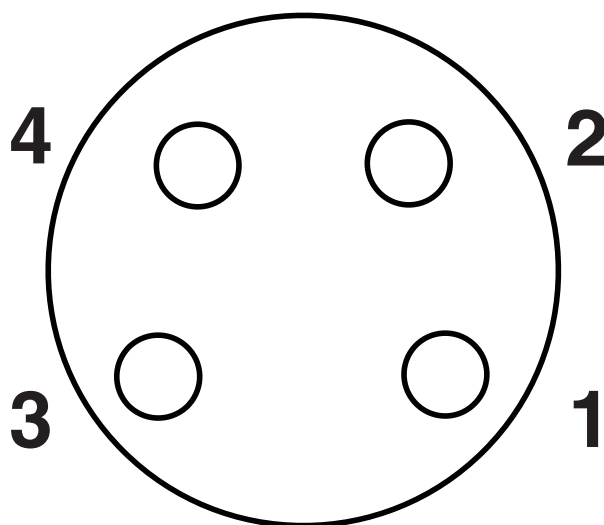
## Drawings

Dimensional drawing



Dimensional drawing

Schematic diagram



Pin assignment M8 socket, 4-pos., view female side

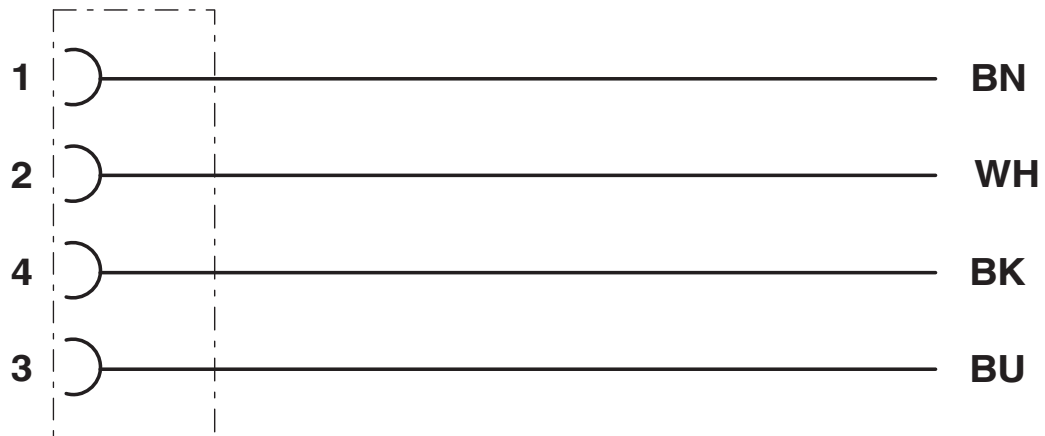
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Circuit diagram



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## Classifications

### ECLASS

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

### ETIM

ETIM 8.0	EC002635
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

REACH SVHC	Lead 7439-92-1
	4,4'-isopropylidenediphenol (BPA) 80-05-7
	Terphenyl, hydrogenated 61788-32-7
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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## Accessories

### SACC-E-MU-M8X0,5 - Flat nut

1504071

<https://www.phoenixcontact.com/us/products/1504071>

Flat nut, Screw mounting, M8 x 0.5, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb <0.1%)



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