

SACC-E-M 8FS-3CON-M8/1,0 - Device connector front mounting

1541733
<https://www.phoenixcontact.com/us/products/1541733>

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Device connector front mounting, 3-position, Socket, straight, M8, Front mounting, M8 x 0.5, Individual wires, cable length: 1 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	1541733
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB22
Product key	ABQIBA
GTIN	4046356091374
Weight per piece (including packing)	18.1 g
Weight per piece (excluding packing)	15.5 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Mounting

Mounting type	Front mounting M8 x 0.5
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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	$> 100 \text{ M}\Omega$
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
Tightening torque	0.8 Nm ... 1 Nm (Installation-side)

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Connector

Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M8

Cable/line

Cable length	1 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	$\geq 80 \Omega/\text{km}$
Cable insulation resistance	$\geq 20 \text{ M}\Omega \cdot \text{km}$
Ambient temperature (operation)	-10 °C ... 105 °C

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

Standards and regulations

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

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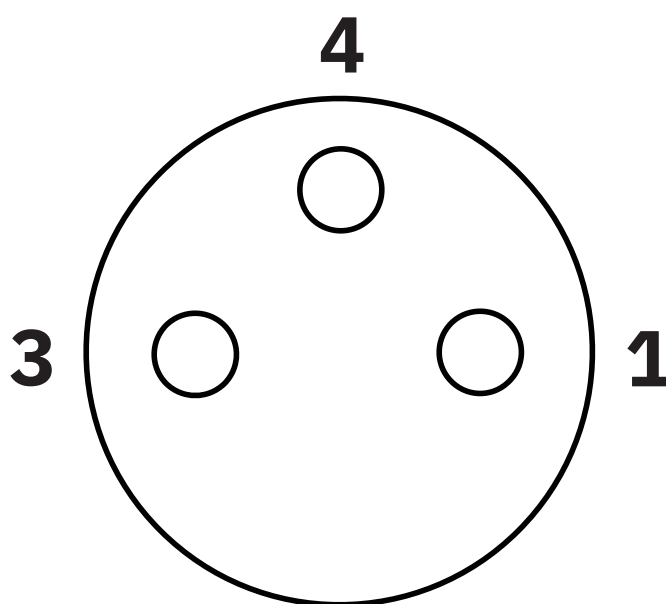


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Drawings

Schematic diagram



Pin assignment M8 socket, 3-pos., view female side

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1541733>

 cUL Recognized Approval ID: E221474-20070307				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	30 V	4 A	24 - 24	-

 UL Recognized Approval ID: E221474-20070307				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	30 V	4 A	24 - 24	-

cULus Recognized				
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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

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	ad770ca5-e30e-416a-9ace-75d7584a16e3

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Accessories

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

1504071

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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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