

# SACC-E-MINF-4CON-NPT12-547/1,0 - Flush-type connector



1420949  
<https://www.phoenixcontact.com/us/products/1420949>

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Flush-type connector, 4-position, Socket, straight, 7/8"-16UNF, on free cable end, Front mounting, with 1/2 inch-14 NPT mounting thread, Individual wires, cable length: 1 m, 0.75 mm<sup>2</sup>, PVC litz wire

## Commercial data

Item number	1420949
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF14
Product key	BF2ICA
GTIN	4055626403564
Weight per piece (including packing)	89 g
Weight per piece (excluding packing)	89 g
Customs tariff number	85366990
Country of origin	MX



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## Technical data

### Notes

#### Trade restriction

CE note

The products are offered exclusively for export outside the EU and the European Economic Area.

### Mounting

Mounting type

Front mounting, with 1/2 inch-14 NPT mounting thread

### Product properties

Product type

Circular connectors (device side)

Number of positions

4

No. of cable outlets

1

Shielded

no

#### Insulation characteristics

Degree of pollution

3

### Material specifications

Flammability rating according to UL 94

V-0

Housing surface material

Al anodized

Contact material

Copper alloy

Contact surface material

Au

Contact carrier material

PVC

Material for screw connection

Anodized aluminum

### Electrical properties

Insulation resistance

$\geq 100 \text{ M}\Omega$

Nominal voltage  $U_N$

300 V AC

300 V DC

Nominal current  $I_N$

10 A

### Connection data

#### Conductor connection

Connection method

Individual wires

Contact connection type

Socket

Conductor cross section

0.75 mm<sup>2</sup>

Tightening torque

10 lb<sub>F</sub>·in.

1.12 Nm

### Mechanical properties

#### Mechanical data



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Insertion/withdrawal cycles	> 500
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## Connector

### Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	7/8"-16UNF

### Connection 2

Head design	free cable end
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## Cable/line

Cable length	1 m
Cable type	PVC litz wire
Wire diameter incl. insulation	1.78 mm
Single wire, color	brown 1, white 2, blue 3, black 4
Cable cross section	0.75 mm²
Conductor structure signal line	16 x AWG 30
AWG signal line	18
Material wire insulation	PVC
Thickness, insulation	Core insulation

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP68
	IP68
Ambient temperature (operation)	-20 °C ... 80 °C (Plug)
	-20 °C ... 80 °C (cable, fixed installation)

## Standards and regulations

Standard designation	7/8" connector
Standards/specifications	UL 2238
Note	Suitable for use in Class I, Division 2 Groups A, B, C, D hazardous locations according to ISA standard 12.12.01-2015, section 8.2 and 8.8.3

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