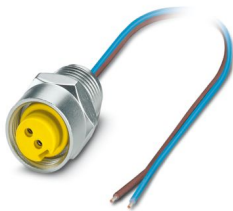


SACC-E-MINF-2CON-NPT12-547/1,0 - Flush-type connector



1420947
<https://www.phoenixcontact.com/us/products/1420947>

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Flush-type connector, 2-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 mm², PVC litz wire

Commercial data

Item number	1420947
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF14
Product key	BF2ICA
GTIN	4055626403540
Weight per piece (including packing)	22.22 g
Weight per piece (excluding packing)	22.22 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

2

No. of cable outlets

1

Shielded

no

Data management status

Article revision

02

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

13 A

Connection data

Conductor connection

Connection method

Individual wires

Contact connection type

Socket

Conductor cross section

0.75 mm^2

Tightening torque

10 lbf·in.

1.12 Nm

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Mechanical properties

Mechanical data

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, blue 2
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

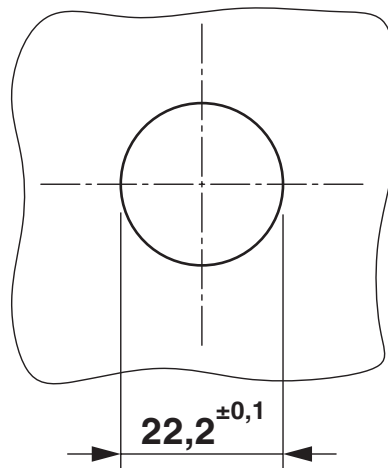
SACC-E-MINF-2CON-NPT12-547/1,0 - Flush-type connector

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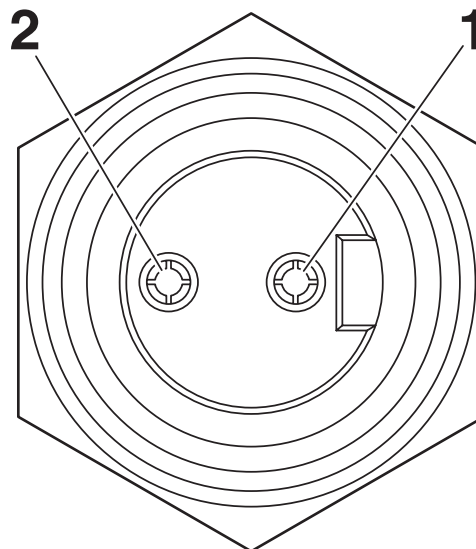
Drawings

Dimensional drawing



Housing cutout

Schematic diagram



Pin assignment, socket, 7/8"-16UNF, 2-pos., view of female side (reference image)

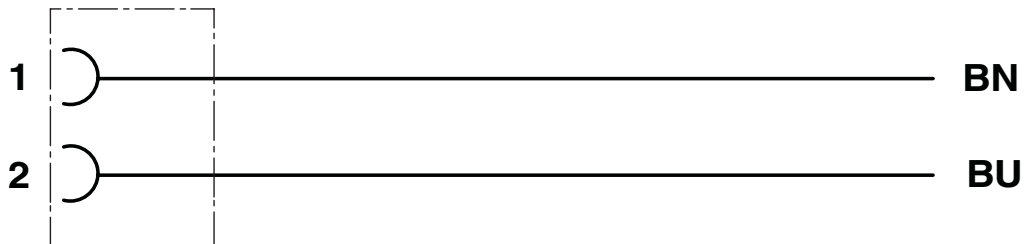
SACC-E-MINF-2CON-NPT12-547/1,0 - Flush-type connector



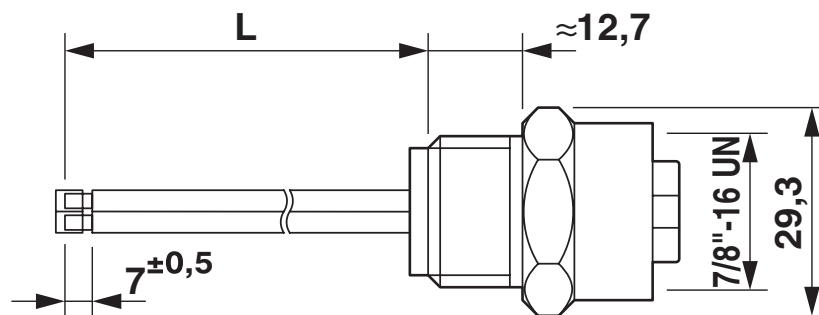
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Circuit diagram



Dimensional drawing



7/8" flush-type socket

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1420947>



UL Listed
Approval ID: FILE E 221474



cUL Listed
Approval ID: FILE E 221474

cULus Listed

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Classifications

ECLASS

ECLASS-11.0	27440109
ECLASS-12.0	27440109
ECLASS-13.0	27440109

UNSPSC

UNSPSC 21.0	39121413
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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