

# SACC-E-MINF-3CON-NPT12-547/1,0 - Flush-type connector



1420948

<https://www.phoenixcontact.com/gb/products/1420948>

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Flush-type connector, 3-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	1420948
Packing unit	1 pc
Minimum order quantity	10 pc
Note	Made to order (non-returnable)
Sales key	AF2ICA
Product key	AF2ICA
GTIN	4055626403557
Weight per piece (including packing)	74 g
Weight per piece (excluding packing)	74 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

3

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  $I_N$

13 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 lbf·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	black 1, brown 2, blue 3
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-3CON-NPT12-547/1,0 - Flush-type connector

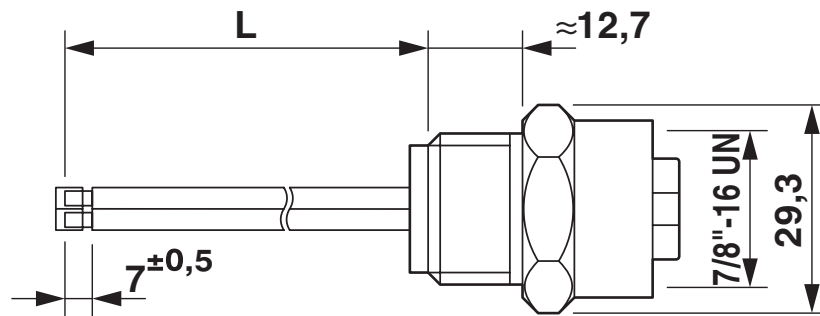


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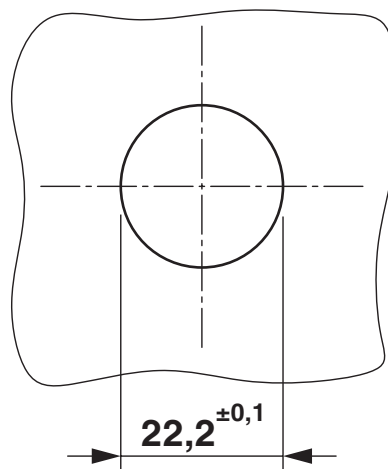
## Drawings

Dimensional drawing



7/8" flush-type socket

Dimensional drawing



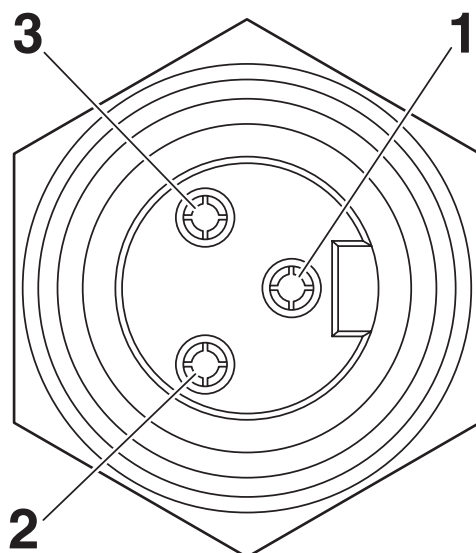
Housing cutout

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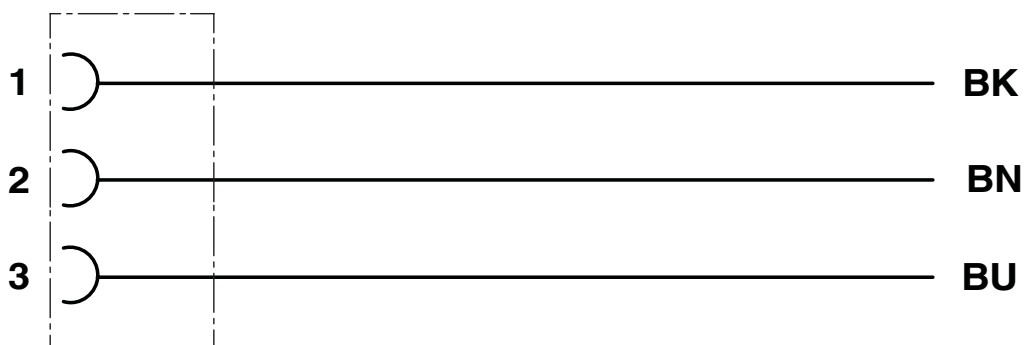
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Schematic diagram



Pin assignment, socket, 7/8"-16UNF, 3-pos., view of female side (reference image)

Circuit diagram



Contact assignment of 7/8" socket


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## Approvals

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**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

### ETIM

ETIM 9.0	EC003569
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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PHOENIX CONTACT Ltd  
Halesfield 13, Telford  
Shropshire, TF7 4PG  
01952 681700  
[info@phoenixcontact.co.uk](mailto:info@phoenixcontact.co.uk)