

SACC-E-MINM-6CON-NPT12-547/1,0 - Flush-type connector

1417767
<https://www.phoenixcontact.com/us/products/1417767>

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Flush-type connector, 6-position, Plug, 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	1417767
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF14
Product key	BF2ICA
GTIN	4055626403519
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

6

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

8 A

Connection data

Conductor connection

Connection method

Individual wires

Contact connection type

Pin

Conductor cross section

0.75 mm²

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	Plug
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	green 1, white 2, blue 3, gray 4, yellow 5, brown 6
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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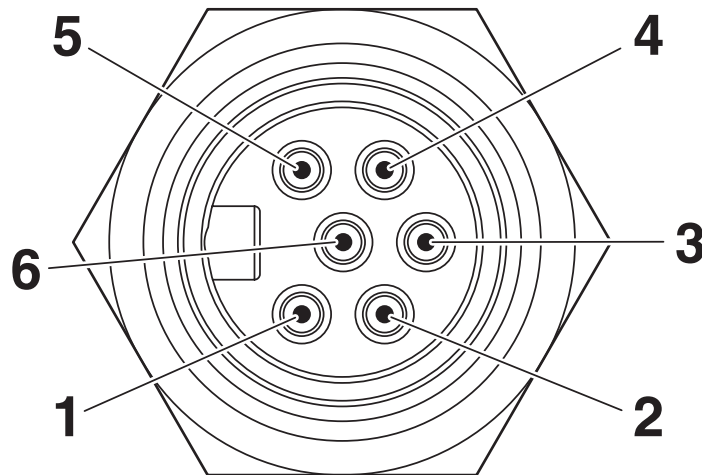


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Drawings

Schematic diagram



Pin assignment, plug, 7/8"-16UNF, 6-pos., view of male side (reference image)

Circuit diagram



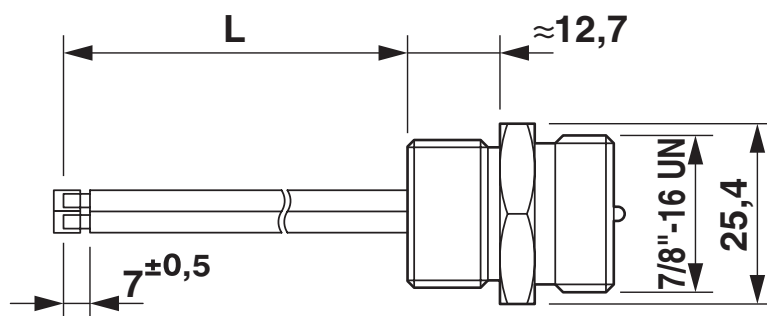
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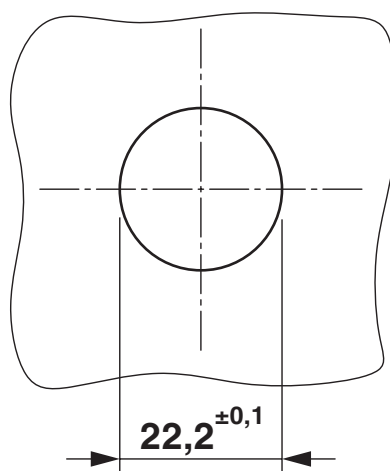
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Dimensional drawing



7/8" flush-type plug

Dimensional drawing



Housing cutout

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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 8.0	EC003569
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UNSPSC

UNSPSC 21.0	39121413
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Not applicable, Not qualified for the European market
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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Accessories

SACC-1/2 NPT-LOCKNUT - Lock nut

1020362

<https://www.phoenixcontact.com/us/products/1020362>

Locknut, 1/2 inch-14 NPT thread



SACC-MIN-SEAL - Seal

1020363

<https://www.phoenixcontact.com/us/products/1020363>

Seal for MINI 7/8-inch panel feed through with 1/2 inch-14 NPT thread



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