

SACC-E-MINM-4CON-NPT12-U20/1,0 - Flush-type connector

1417770
<https://www.phoenixcontact.com/us/products/1417770>

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Flush-type connector, 4-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, 1.50 mm², PVC litz wire

Commercial data

Item number	1417770
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF14
Product key	BF2ICA
GTIN	4055626341422
Weight per piece (including packing)	22.22 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85444290
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.
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Mounting

Mounting type	Front mounting, with 1/2 inch-14 NPT mounting thread
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Product properties

Product type	Circular connectors (device side)
Number of positions	4
No. of cable outlets	1
Shielded	no

Data management status

Article revision	03
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Insulation characteristics

Degree of pollution	3
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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	600 V AC
	600 V DC
Nominal current I_N	10 A

Connection data

Conductor connection

Connection method	Individual wires
Contact connection type	Pin
Conductor cross section	1.5 mm ²
Tightening torque	10 lb _F -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	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	2.6 mm
Single wire, color	black 1, white 2, red 3, green 4
Cable cross section	1.5 mm ²
Conductor structure signal line	26 x AWG 30
AWG signal line	16
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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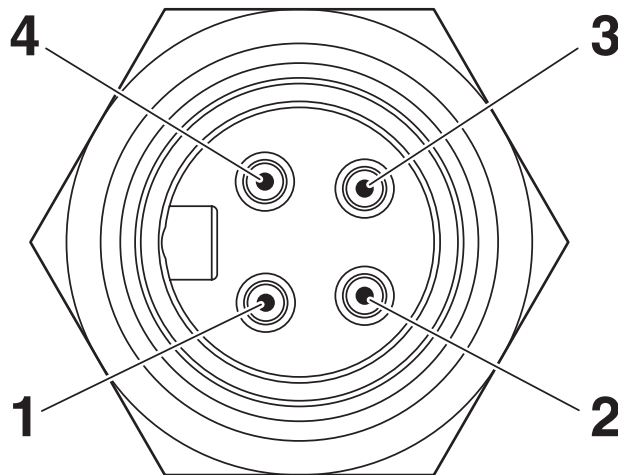


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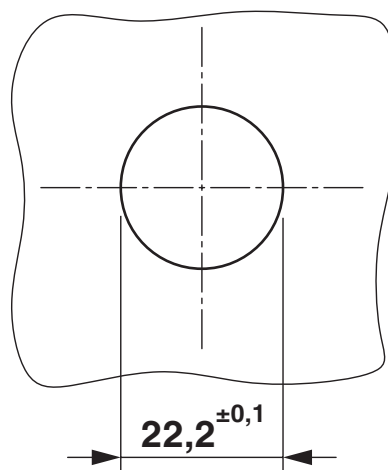
Drawings

Schematic diagram



Pin assignment, plug, 7/8"-16UNF, 4-pos., view of male side (reference image)

Dimensional drawing



Housing cutout

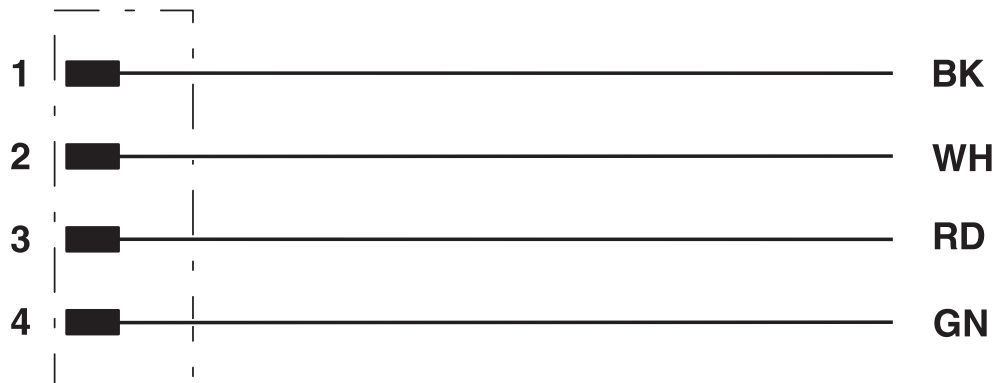
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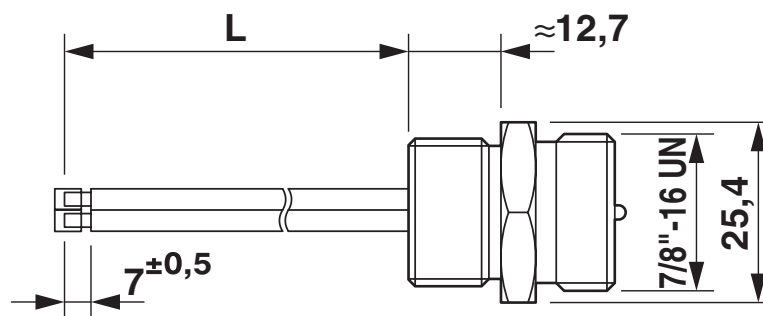
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Circuit diagram



Dimensional drawing



7/8" flush-type plug

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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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