SACC-E-MINM-4CON-NPT12-U50/1,0 - Flush-type connector

1417775

https://www.phoenixcontact.com/us/products/1417775

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Flush-type connector, 4-position, Plug, straight, 7/8"-16UNF, on free cable end, Individual wires, cable length: 1 m, 2.50 mm^2, PVC litz wire

Commercial data

Item number	1417775
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF14
Product key	AF2ICA
GTIN	4055626403533
Weight per piece (including packing)	130.8 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85444290
Country of origin	MX

Technical data

Notes

Trade restriction

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

Mounting

Tightening torque	10 lb$_f$-in.
	1.12 Nm

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	≥ 100 MΩ
Nominal voltage U_N	600 V AC/DC (UL rating)
	50 V AC/DC (IEC rating)
Nominal current I_N	24 A (UL 2238)
	7 A (UL 2237)

Connection data

Conductor connection

Connection method	Individual wires
Contact connection type	Pin
Conductor cross-section	2.5 mm²
Tightening torque	10 lb$_f$-in.
	1.12 Nm

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 500

Connector

Connection 1

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

Connection 2

Head design	free cable end

Cable/line

Cable length	1 m
Cable type	PVC litz wire
Wire diameter incl. insulation	4.5 mm
Single wire, color	black 1, white 2, red 3, green 4
Cable cross section	2.5 mm²
AWG signal line	14
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 2237, 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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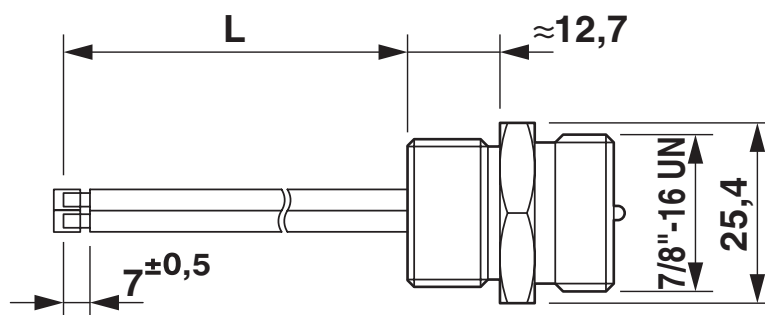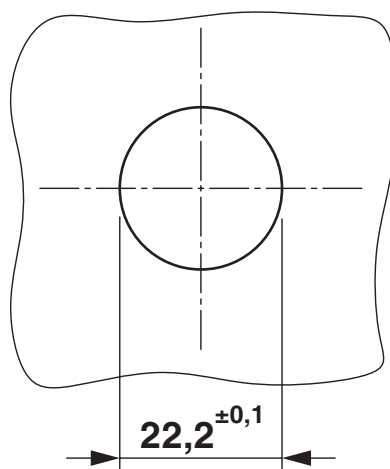https://www.phoenixcontact.com/us/products/1417775

Drawings

Dimensional drawing

7/8" flush-type plug

Dimensional drawing

Housing cutout

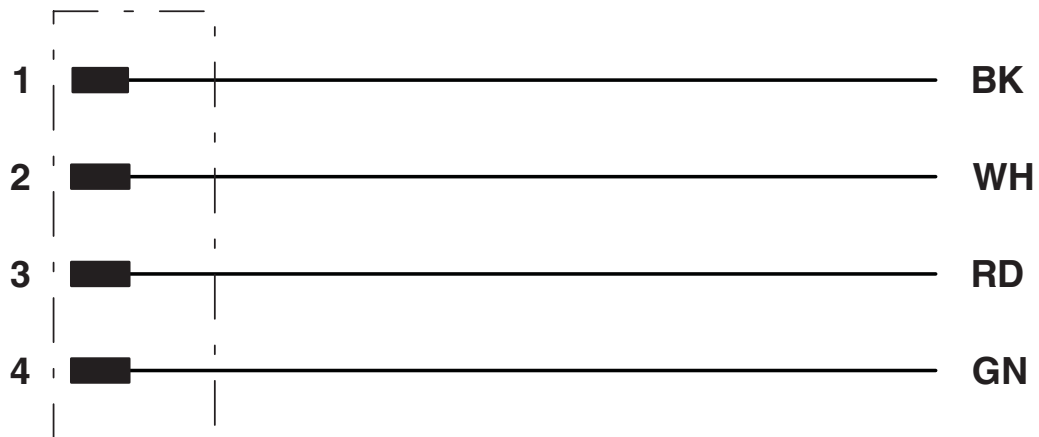# SACC-E-MINM-4CON-NPT12-U50/1,0 - Flush-type connector

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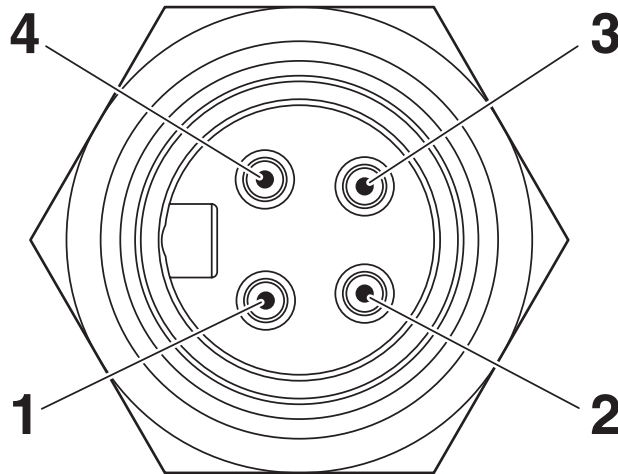
Pin assignment, plug, 7/8"-16UNF, 4-pos., view of male side (reference image)

Circuit diagram

1	BK
2	WH
3	RD
4	GN

Contact assignment of the 7/8" plug

Approvals

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UL Listed
Approval ID: FILE E 221474

cUL Listed
Approval ID: FILE E 221474

cUL Listed
Approval ID: FILE E 221474

UL Listed
Approval ID: FILE E 221474

cUL Listed
Approval ID: FILE E 468743

UL Listed
Approval ID: FILE E 468743

Classifications

ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

ETIM

ETIM 9.0	EC003569

UNSPSC

UNSPSC 21.0	39121413

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

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%