

1417765

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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, 0.75 mm², PVC litz wire

Commercial data

Item number	1417765
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF14
Product key	BF2ICA
GTIN	4055626403496
Weight per piece (including packing)	77.3 g
Weight per piece (excluding packing)	82.3 g
Customs tariff number	85366990
Country of origin	MX



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Technical data

Notes

Irade	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	4
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	≥ 100 MΩ
Nominal voltage U _N	300 V AC
	300 V DC
Nominal current I _N	10 A

Connection data

Conductor connection

Connection method	Individual wires
Contact connection type	Pin
Conductor cross section	0.75 mm²
Tightening torque	10 lb _F in.
	1.12 Nm



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Mechanical properties

а

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	1.78 mm
Single wire, color	brown 1, white 2, blue 3, black 4
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

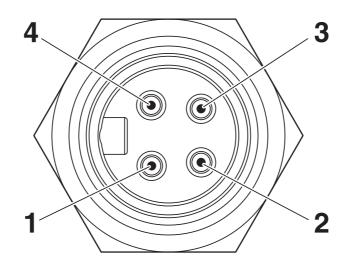


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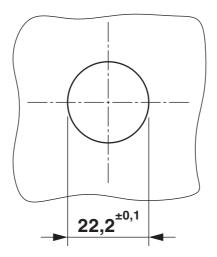
Drawings

Schematic diagram



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

Dimensional drawing



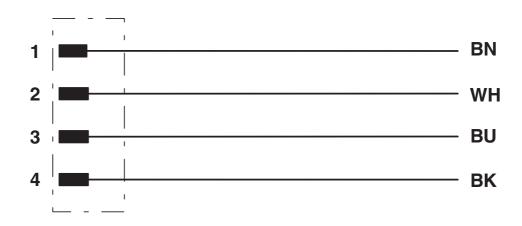
Housing cutout



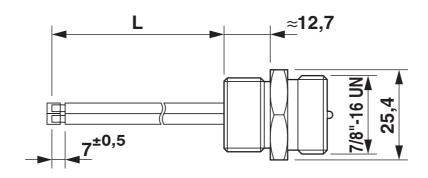
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Circuit diagram



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

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Classifications

ECLASS

UNSPSC 21.0

	ECLASS-11.0	27440109
	ECLASS-12.0	27440109
	ECLASS-13.0	27440109
ETIM		
	ETIM 8.0	EC003569
UN	SPSC	

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
EU REACH SVHC	

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