

1420958

https://www.phoenixcontact.com/us/products/1420958

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Flush-type connector, 4-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, 2.50 mm², PVC litz wire

Commercial data

Item number	1420958
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF14
Product key	BF2ICA
GTIN	4055626403601
Weight per piece (including packing)	142 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85444290
Country of origin	MX



1420958

https://www.phoenixcontact.com/us/products/1420958

Technical data

Notes

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Trad	Δ	ractr	ictic	n

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

Mounting

Mounting type Front more	unting, 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
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
	600 V DC
Nominal current I _N	24 A (UL 2238)
	7 A (UL 2237)

Connection data

Conductor connection

Connection method	Individual wires
Contact connection type	Socket
Conductor cross section	2.5 mm ²
Tightening torque	10 lb _F in.
	1.12 Nm

Mechanical properties



1420958

https://www.phoenixcontact.com/us/products/1420958

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
rieau design	nee 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
Conductor structure signal line	41 x AWG 30
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

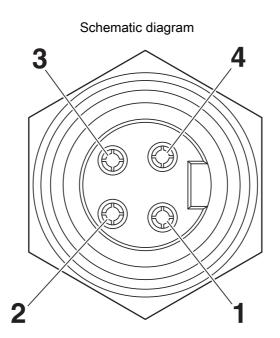
Standard designation	7/8" connector
Note	Suitable for use in Class I, Division 2 Groups A, B, C, D hazardous locations according to ISA standard 12.12.01-2015, section 8.2 and 8.8.3



1420958

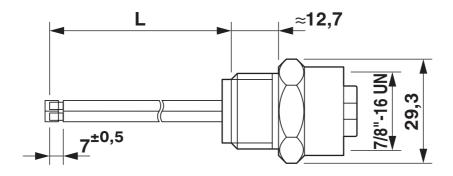
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Drawings



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

Dimensional drawing



7/8" flush-type socket



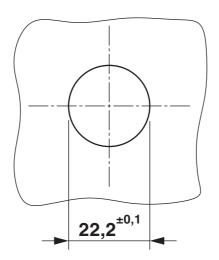
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Circuit diagram



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



1420958

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Classifications

UNSPSC 21.0

ECLASS

ECLASS-11.0	27440109	
ECLASS-12.0	27440109	
ECLASS-13.0	27440109	
ETIM		
ETIM 8.0	EC003569	
UNSPSC		

39121400



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Environmental product compliance

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20 110110			
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%		



1420958

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Accessories

SACC-1/2 NPT-LOCKNUT - Lock nut

1020362

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Locknut, 1/2 inch-14 NPT thread



SACC-MIN-SEAL - Seal

1020363

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



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