

1420951

https://www.phoenixcontact.com/us/products/1420951

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Flush-type connector, 6-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, 0.75 mm², PVC litz wire

Commercial data

Item number	1420951
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF14
Product key	BF2ICA
GTIN	4055626403588
Weight per piece (including packing)	22.22 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85366990
Country of origin	MX



1420951

https://www.phoenixcontact.com/us/products/1420951

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	6
No. of cable outlets	1
Shielded	no
Data management status	
Article revision	02

Insulation characteristics

Degree of pollution 3	j
-----------------------	---

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	8 A

Connection data

Conductor connection

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



1420951

https://www.phoenixcontact.com/us/products/1420951

Mechanical properties

Mec	hanica	l data

Insertion/withdrawal cycles	> 500

Connector

Connection 1

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

Connection 2

Head design	free cable end
nead design	rree cable end

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

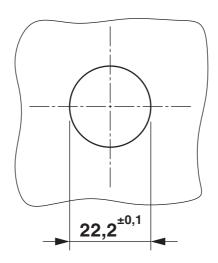


1420951

https://www.phoenixcontact.com/us/products/1420951

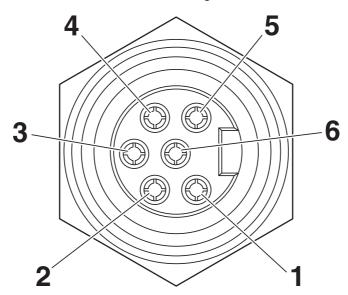
Drawings

Dimensional drawing



Housing cutout

Schematic diagram



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



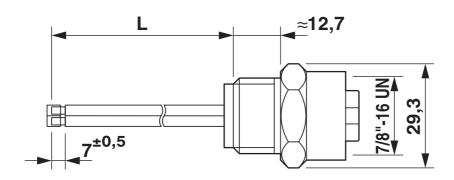
1420951

https://www.phoenixcontact.com/us/products/1420951

Circuit diagram



Dimensional drawing



7/8" flush-type socket



1420951

https://www.phoenixcontact.com/us/products/1420951

Approvals

🌣 To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1420951



UL Listed

Approval ID: FILE E 221474



cUL Listed

Approval ID: FILE E 221474

cULus Listed



1420951

https://www.phoenixcontact.com/us/products/1420951

Classifications

ECLASS

UNSPSC 21.0

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

39121413



1420951

https://www.phoenixcontact.com/us/products/1420951

Environmental product compliance

EU RoHS

20 1.0.10		
Fulfills EU RoHS substance requirements	Yes, No exemptions	
EU REACH SVHC		
REACH candidate substance (CAS No.)	No substance above 0.1 wt%	

Phoenix Contact 2024 © - all rights reserved https://www.phoenixcontact.com

Phoenix Contact USA 586 Fulling Mill Road Middletown, PA 17057, United States (+717) 944-1300 info@phoenixcon.com