SACC-E-MINF-3CON-NPT12-U20/1,0 - Flush-type connector

1420953

https://www.phoenixcontact.com/us/products/1420953

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Flush-type connector, 3-position, Socket, straight, 7/8"-16UNF, on free cable end, Individual wires, cable length: 1 m, 1.50 mm^2, PVC litz wire

Commercial data

Item number	1420953
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF14
Product key	AF2ICA
GTIN	4055626341460
Weight per piece (including packing)	91.4 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85444290
Country of origin	MX

Technical data

Mounting

Tightening torque	10 lb_f-in.
	1.12 Nm

Product properties

Product type	Circular connectors (device side)
Number of positions	3
No. of cable outlets	1
Shielded	no

Insulation characteristics

Overvoltage category	UL 2238 Sec 38
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	13 A

Connection data

Conductor connection

Connection method	Individual wires
Contact connection type	Socket
Conductor cross-section	1.5 mm²
Tightening torque	10 lb_f-in.
	1.12 Nm

Mechanical properties

Mechanical 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

Cable/line

Cable length	1 m
Cable type	PVC litz wire
Wire diameter incl. insulation	2.6 mm
Single wire, color	green 1, black 2, white 3
Cable cross section	1.5 mm²
AWG signal line	16
Material wire insulation	PVC
Thickness, insulation	Core insulation

Environmental and real-life conditions

Ambient conditions

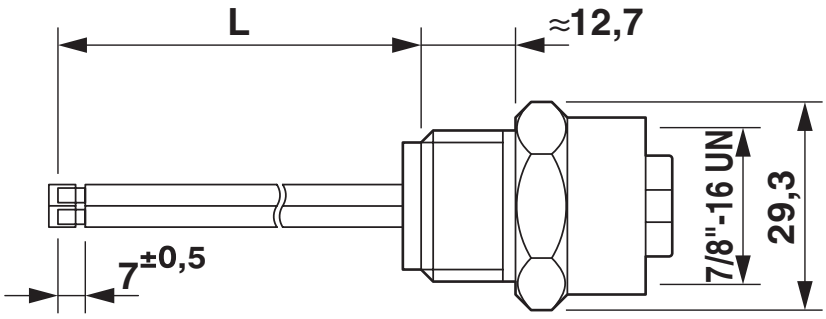
Degree of protection	IP68
	IP68
Ambient temperature (operation) (male connector/female connector)	-20 °C ... 80 °C (Plug)
Ambient temperature (operation)	-20 °C ... 80 °C (cable, fixed installation)

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

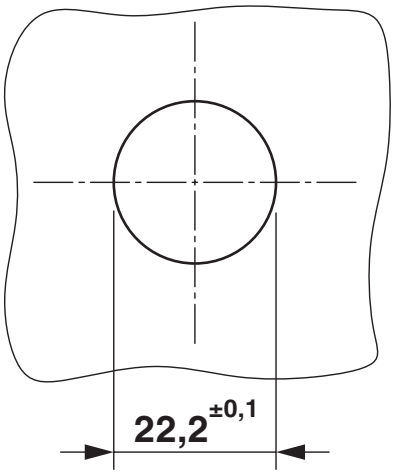
Drawings

Dimensional drawing



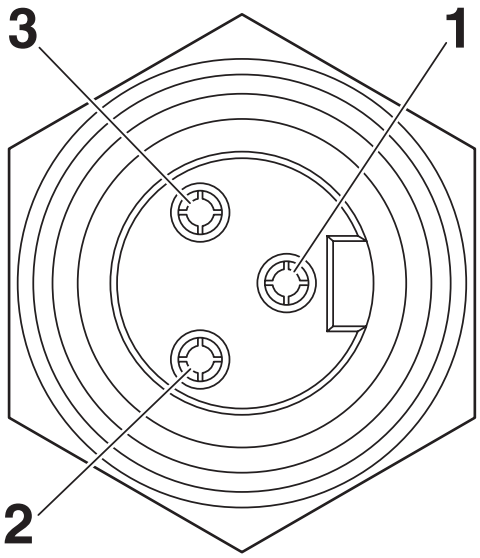
7/8" flush-type socket

Dimensional drawing



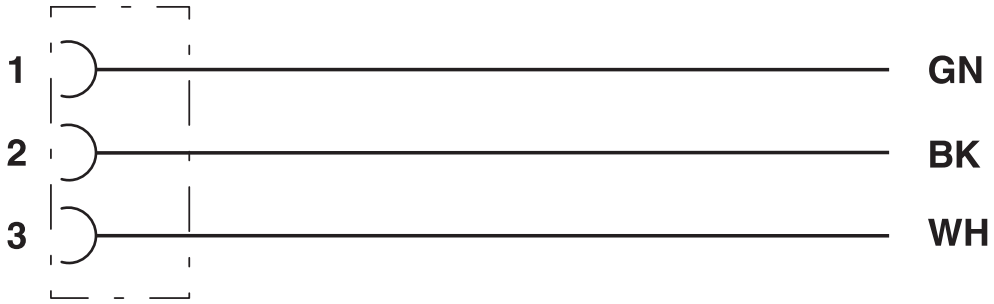
Housing cutout

Schematic diagram



Pin assignment, socket, 7/8"-16UNF, 3-pos., view of female side (reference image)

Circuit diagram



Contact assignment of 7/8" socket

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1420953

UL Listed
Approval ID: FILE E 221474

cUL Listed
Approval ID: FILE E 221474

Classifications

ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

ETIM

ETIM 10.0	EC003569

UNSPSC

UNSPSC 21.0	39121413

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%

EF3.1 Climate Change

CO2e kg	4.184 kg CO2e

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