

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



1417769

<https://www.phoenixcontact.com/us/products/1417769>

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, 3-position, Plug, straight, 7/8"-16UNF, on free cable end, Individual wires, cable length: 1 m, 1.50 mm², PVC litz wire

Commercial data

Item number	1417769
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF14
Product key	AF2ICA
GTIN	4055626341415
Weight per piece (including packing)	80 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85444290
Country of origin	MX

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



1417769

<https://www.phoenixcontact.com/us/products/1417769>

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

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	Pin
Conductor cross-section	1.5 mm ²
Tightening torque	10 lb _F in.
	1.12 Nm

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 500
-----------------------------	-------

Connector

Connection 1

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



1417769

<https://www.phoenixcontact.com/us/products/1417769>

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	2.6 mm
Single wire, color	green 1, black 2, white 3
Cable cross section	1.5 mm ²
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

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

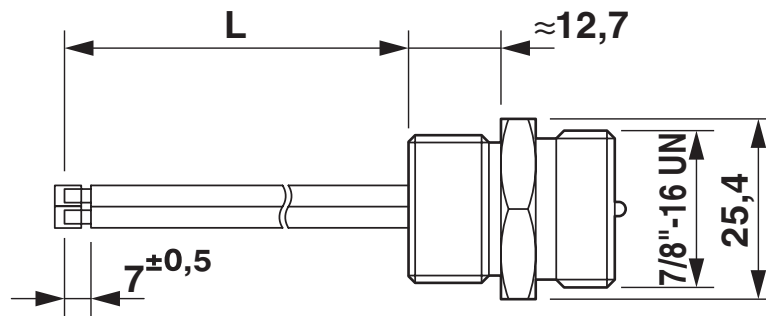


1417769

<https://www.phoenixcontact.com/us/products/1417769>

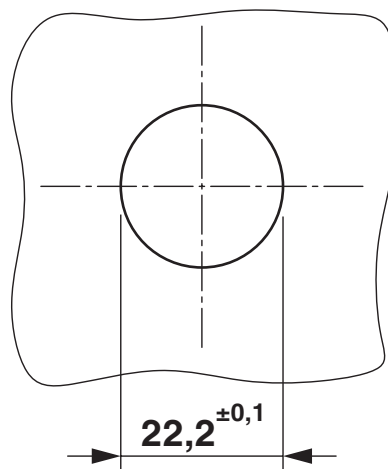
Drawings

Dimensional drawing



7/8" flush-type plug

Dimensional drawing



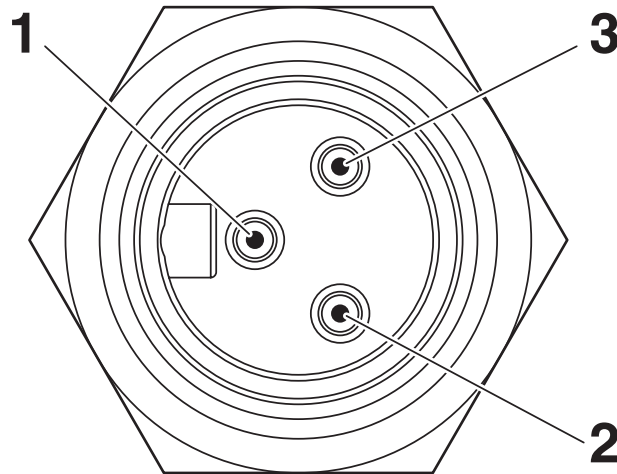
Housing cutout

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

1417769

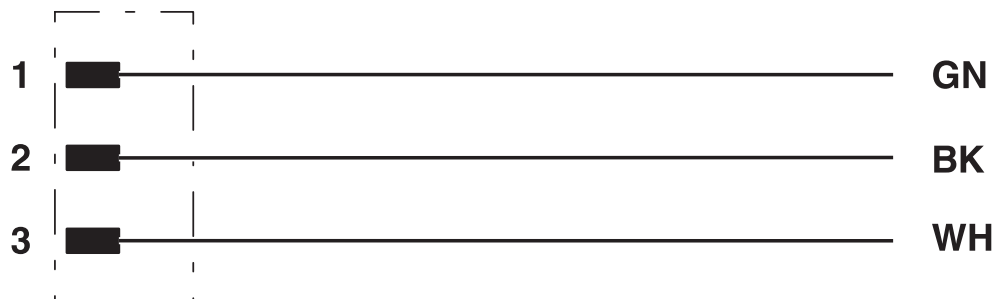
<https://www.phoenixcontact.com/us/products/1417769>

Schematic diagram



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

Circuit diagram



Contact assignment of the 7/8" plug


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



1417769

<https://www.phoenixcontact.com/us/products/1417769>

Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1417769>



UL Listed

Approval ID: FILE E 221474



cUL Listed

Approval ID: FILE E 221474

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



1417769

<https://www.phoenixcontact.com/us/products/1417769>

Classifications

ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

ETIM

ETIM 9.0	EC003569
----------	----------

UNSPSC

UNSPSC 21.0	39121413
-------------	----------

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



1417769

<https://www.phoenixcontact.com/us/products/1417769>

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%
-------------------------------------	----------------------------

Phoenix Contact 2025 © - 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