

# SACC-E-MINF-5CON-NPT12-U30/1,0 - Flush-type connector



1420960

<https://www.phoenixcontact.com/us/products/1420960>

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, 5-position, PVC/PVC, gray, 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, 0.25 mm<sup>2</sup>, CANopen<sup>®</sup>/DeviceNet<sup>™</sup>, PUR, violet

## Commercial data

Item number	1420960
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF14
Product key	BF2ICA
GTIN	4055626341514
Weight per piece (including packing)	22.22 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85444290
Country of origin	MX

# SACC-E-MINF-5CON-NPT12-U30/1,0 - Flush-type connector



1420960

<https://www.phoenixcontact.com/us/products/1420960>

## Technical data

### Notes

#### Trade 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	5
No. of cable outlets	1
Shielded	yes

#### Insulation characteristics

Overvoltage category	UL 2238 Section 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
Outer sheath, material	PVC

### Electrical properties

Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	300 V AC
	300 V DC
Nominal current $I_N$	4 A

### Connection data

#### Conductor connection

Connection method	Individual wires
Contact connection type	Socket
Conductor cross section	0.25 mm <sup>2</sup> (2 x AWG 24 data cable)
Tightening torque	10 lb <sub>F</sub> -in.
	1.12 Nm

### Mechanical properties

# SACC-E-MINF-5CON-NPT12-U30/1,0 - Flush-type connector



1420960

<https://www.phoenixcontact.com/us/products/1420960>

## 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	CANopen <sup>®</sup> /DeviceNet <sup>™</sup> , PUR, violet
Cable abbreviation	U30
Cable structure	2xAWG24+2xAWG22+1xAWG22
Outer sheath, material	PVC
External sheath, color	gray
Wire diameter incl. insulation	6.6 mm
Single wire, color	red-black, blue-white
Cable cross section	0.25 mm <sup>2</sup> (2 x AWG 24 data cable) 0.34 mm <sup>2</sup> (2 x AWG 22 power supply) 0.34 mm <sup>2</sup> (1 x AWG 22 drain wire)
Material, inner sheath	PVC
Conductor structure signal line	19 x AWG 36
AWG signal line	24
Conductor structure, voltage supply	19 x AWG 34
AWG power supply	22
Material wire insulation	PVC (Power supply) Foamed PE (Data)
Twisted pairs	2 cores to the pair
Type of pair shielding	Plastic-coated aluminum foil, aluminum side outside
Overall twist	2 pairs and one drain wire to the core
Optical shield covering	65 %

## 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)

# SACC-E-MINF-5CON-NPT12-U30/1,0 - Flush-type connector



1420960

<https://www.phoenixcontact.com/us/products/1420960>

## 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

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](mailto:info@phoenixcon.com)