

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



1417776
<https://www.phoenixcontact.com/us/products/1417776>

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, Plug, 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 mm², CANopen[®]/DeviceNet[™], PUR, violet

Commercial data

Item number	1417776
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF14
Product key	BF2ICA
GTIN	4055626337371
Weight per piece (including packing)	22.22 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85366990
Country of origin	MX

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



1417776

<https://www.phoenixcontact.com/us/products/1417776>

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

Pin

Conductor cross section

0.25 mm² (2 x AWG 24 data cable)

Tightening torque

10 lb_F-in.

1.12 Nm

Mechanical properties

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



1417776

<https://www.phoenixcontact.com/us/products/1417776>

Mechanical data

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

Connector

Connection 1

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	CANopen [®] /DeviceNet [™] , 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 ² (2 x AWG 24 data cable)
	0.34 mm ² (2 x AWG 22 power supply)
	0.34 mm ² (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-MINM-5CON-NPT12-U30/1,0 - Flush-type connector



1417776
<https://www.phoenixcontact.com/us/products/1417776>

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