

SACC-MINFS-5CON-PG16/2,5 - Connector



1456268

<https://www.phoenixcontact.com/us/products/1456268>

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.



Connector, Universal, 5-position, Socket straight 7/8"-16UNF, coding: A, Screw connection, knurl material: Zinc die-cast, nickel-plated, cable gland Pg16, external cable diameter 12 mm ... 14 mm

Your advantages

- Safe use in the field, thanks to a high degree of protection
- Screw connection: proven connection technology for a large selection of different conductors

Commercial data

Item number	1456268
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF30
Product key	BF2FAA
Catalog page	Page 25 (C-2-2017)
GTIN	4046356616898
Weight per piece (including packing)	59.12 g
Weight per piece (excluding packing)	55.2 g
Customs tariff number	85366990
Country of origin	DE

SACC-MINFS-5CON-PG16/2,5 - Connector



1456268

<https://www.phoenixcontact.com/us/products/1456268>

Technical data

Notes

General	NOTE: Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending forces are too high. Alleviate mechanical loads upstream of the connector, e.g. by using cable ties.
---------	--

Mounting

Assembly instructions	The wires can be connected both with ferrules and without ferrules
-----------------------	--

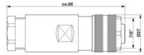
Product properties

Product type	Circular connector (cable-side)
Sensor type	Universal
Number of positions	5
No. of cable outlets	1
Shielded	no
Coding	A
Cable outlet	straight
Pg screw connection	Pg16

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	27 mm
Height	27 mm
Length	86 mm

External dimensions

Outside diameter	12 mm ... 14 mm
------------------	-----------------

Housing

Diameter housing	27 mm
------------------	-------

Material specifications

Flammability rating according to UL 94	HB
Material of grip body	PBT
Contact material	CuZn

SACC-MINFS-5CON-PG16/2,5 - Connector



1456268

<https://www.phoenixcontact.com/us/products/1456268>

Contact surface material	Au
Contact carrier material	PUR/PA 6.6
Material for screw connection	Zinc die-cast, nickel-plated

Connection data

Conductor connection

Connection method	Screw connection
Connection cross section	0.34 mm ² ... 2.5 mm ² (without ferrule)
	0.34 mm ² ... 2.5 mm ² (with ferrule)
	0.34 mm ² ... 2.5 mm ² (solid)
Connection cross section AWG	22 ... 14 (without ferrule)
	22 ... 14 (with ferrule)
Stripping length of the individual wire	7 mm
Tightening torque	0.8 Nm (7/8" connectors)
	0.4 Nm (Screw terminal blocks)
	1 Nm ... 1.4 Nm (Pressure screw)

Electrical properties

Rated surge voltage	4 kV
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	300 V AC
	300 V DC
Nominal current I _N	9 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100
-----------------------------	-------

Connector

Connection 1

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

Cable/line

Signal type/category	Universal
Stripping length of the individual wire	7 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
----------------------	------

SACC-MINFS-5CON-PG16/2,5 - Connector



1456268

<https://www.phoenixcontact.com/us/products/1456268>

Ambient temperature (operation)

-25 °C ... 85 °C (Plug / socket)

SACC-MINFS-5CON-PG16/2,5 - Connector



1456268

<https://www.phoenixcontact.com/us/products/1456268>

Classifications

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

ETIM

ETIM 9.0	EC002635
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

SACC-MINFS-5CON-PG16/2,5 - Connector



1456268

<https://www.phoenixcontact.com/us/products/1456268>

Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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