

SACC-M12MS-5CON-DM 5-8 SH VA - Connector



1440025

<https://www.phoenixcontact.com/us/products/1440025>

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, 5-position, shielded, Plug straight M12, coding: A, Screw connection, knurl material: Stainless steel 1.4404, cable gland M16, external cable diameter 5.5 mm ... 8.6 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
- Reliable signal transmission – 360° shielding in environments with electromagnetic interference

Commercial data

Item number	1440025
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF30
Product key	BF2CBA
Catalog page	Page 24 (C-2-2019)
GTIN	4046356480857
Weight per piece (including packing)	57.49 g
Weight per piece (excluding packing)	57.49 g
Customs tariff number	85366990
Country of origin	DE

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.

Product properties

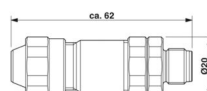
Product type	Circular connector (cable-side)
Number of positions	5
No. of cable outlets	1
Shielded	yes
Coding	A
Cable outlet	straight
Pg screw connection	M16

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Dimensions

Dimensional drawing



Length

62 mm

External dimensions

Outside diameter	5.5 mm ... 8.6 mm
------------------	-------------------

Housing

Diameter housing	20 mm
------------------	-------

Material specifications

Flammability rating according to UL 94	V0
Seal material	FKM
Material of grip body	Stainless steel 1.4404
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA
Material for screw connection	Stainless steel 1.4404

Connection data

SACC-M12MS-5CON-DM 5-8 SH VA - Connector



1440025

<https://www.phoenixcontact.com/us/products/1440025>

Conductor connection

Connection method	Screw connection
Connection cross section	0.25 mm ² ... 0.75 mm ² (without ferrule)
	0.14 mm ² ... 0.75 mm ² (with ferrule)
	0.25 mm ² ... 0.75 mm ² (solid)
Connection cross section AWG	24 ... 18 (without ferrule)
	26 ... 20 (with ferrule)
Stripping length of the individual wire	5 mm
Tightening torque	0.4 Nm (M12 knurl)
	0.2 Nm (Screw terminal blocks)
	0.8 Nm ... 1 Nm (Pressure nut with sleeve housing with 4 mm ... 8 mm external cable diameter)
	1 Nm ... 1.4 Nm (Pressure nut with sleeve housing with 8 mm ... 12 mm external cable diameter)

Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	48 V AC
	60 V DC
Nominal current I _N	4 A

Mechanical properties

Mechanical data

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

Connector

Connection 1

Head design	Plug
Head cable outlet	straight
Head thread type	M12
Coding	A

Cable/line

Stripping length of the individual wire	5 mm
---	------

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP67
	IP69K
Ambient temperature (operation)	-40 °C ... 85 °C (Plug / socket)

SACC-M12MS-5CON-DM 5-8 SH VA - Connector



1440025

<https://www.phoenixcontact.com/us/products/1440025>

Standards and regulations

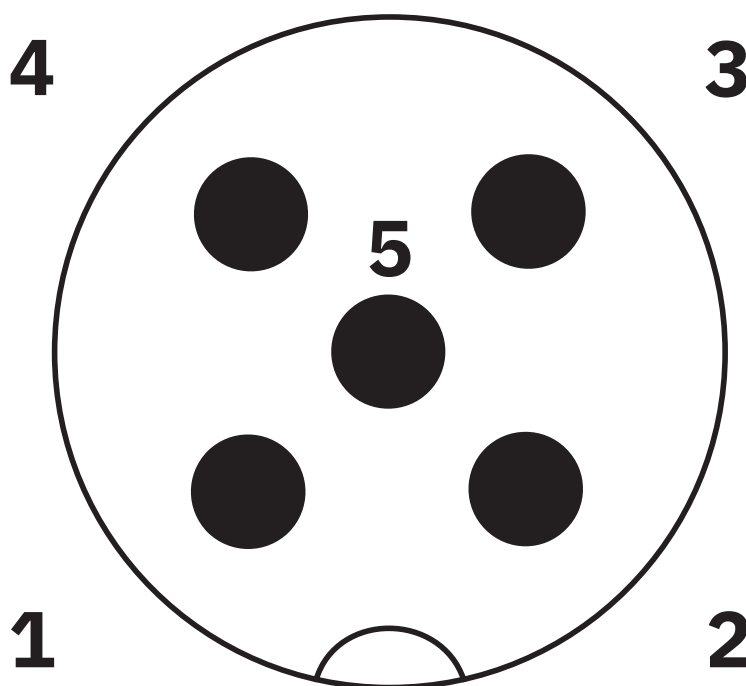
Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101

1440025

<https://www.phoenixcontact.com/us/products/1440025>

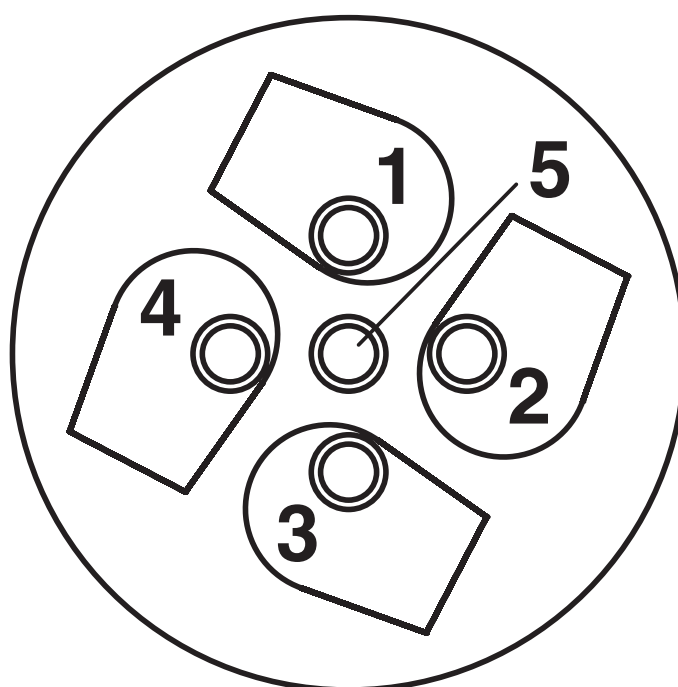
Drawings

Schematic diagram



Pin assignment M12 male connector, 5-pos., A-coded, male side

Schematic diagram



Cable connection side M12 (screw connection)

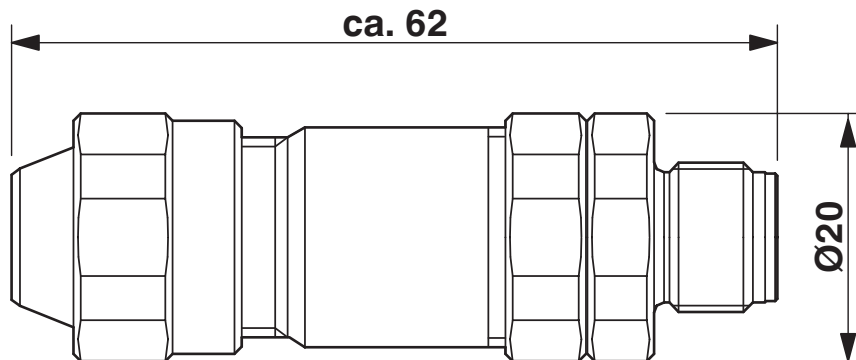
SACC-M12MS-5CON-DM 5-8 SH VA - Connector



1440025

<https://www.phoenixcontact.com/us/products/1440025>

Dimensional drawing



Plug, M12 x 1, straight, shielded

SACC-M12MS-5CON-DM 5-8 SH VA - Connector



1440025


<https://www.phoenixcontact.com/us/products/1440025>


Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1440025>

DNV

Approval ID: TAE00002K4

	cUL Recognized			
	Approval ID: FILE E 221474			
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	60 V	4 A	-	-

	UL Recognized			
	Approval ID: FILE E 221474			
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	60 V	4 A	-	-

cULus Recognized

SACC-M12MS-5CON-DM 5-8 SH VA - Connector



1440025

<https://www.phoenixcontact.com/us/products/1440025>

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-M12MS-5CON-DM 5-8 SH VA - Connector



1440025

<https://www.phoenixcontact.com/us/products/1440025>

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