

SACC-M12FS-4QO-0,75-VA - Connector



1440782

<https://www.phoenixcontact.com/us/products/1440782>

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, 4-position, Socket straight M12, coding: A, Insulation displacement connection, knurl material: Stainless steel 1.4404, external cable diameter 4 mm ... 8 mm

Your advantages

- Safe use in the field, thanks to a high degree of protection
- Insulation displacement connection: innovative and time-saving assembly without stripping the single wire

Commercial data

Item number	1440782
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF31
Product key	AF2CCA
GTIN	4046356517003
Weight per piece (including packing)	17.7 g
Weight per piece (excluding packing)	17.2 g
Customs tariff number	85366990
Country of origin	DE

SACC-M12FS-4QO-0,75-VA - Connector



1440782

<https://www.phoenixcontact.com/us/products/1440782>

Technical data

Notes

Assembly note	NOTE: Observe the permissible bending radii when routing cables, since the degree of protection may be at risk if the bending forces are too high. Reduce mechanical loads upstream of the connector, e.g., by using cable ties.
---------------	---

Mounting

Assembly note	AWG 18 wire cross section upon request
---------------	--

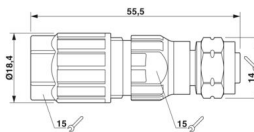
Product properties

Product type	Circular connector (cable-side)
Sensor type	Universal
Number of positions	4
No. of cable outlets	1
Shielded	no
Coding	A
Cable outlet	straight

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Length	55.5 mm
Wrench size, union nut	15 mm
Wrench size, counter nut	15 mm

External dimensions

Outside diameter	4 mm ... 8 mm
------------------	---------------

Housing

Diameter housing	18.4 mm
------------------	---------

Material specifications

Flammability rating according to UL 94	V0
Seal material	Neoprene
	FKM
Material of grip body	PA 6

SACC-M12FS-4QO-0,75-VA - Connector



1440782

<https://www.phoenixcontact.com/us/products/1440782>

Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU
Material for screw connection	Stainless steel 1.4404
Wire insulation material	PVC / PE / PP / rubber

Connection data

Conductor connection

Connection method	Insulation displacement connection
Connection cross section	0.34 mm² ... 0.75 mm²
Connection cross section AWG	22 ... 18
Tightening torque	0.4 Nm (M12 knurl) 1.5 Nm (Pressure nut)

Connection assignment

Contact Color (signal designation) Contact (optional)	1 = BN 2 = WH 3 = BU 4 = BK
---	--------------------------------------

Electrical properties

Rated surge voltage	4 kV
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	250 V AC 250 V DC
Nominal current I _N	4 A

Mechanical properties

Mechanical data

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

Connector

Connection 1

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

Cable/line

Signal type/category	Universal
External cable diameter	4 mm ... 8 mm

Environmental and real-life conditions

SACC-M12FS-4QO-0,75-VA - Connector



1440782

<https://www.phoenixcontact.com/us/products/1440782>

Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 80 °C (Plug / socket)
Ambient temperature (assembly)	-5 °C ... 50 °C (During assembly)

Standards and regulations

M12

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

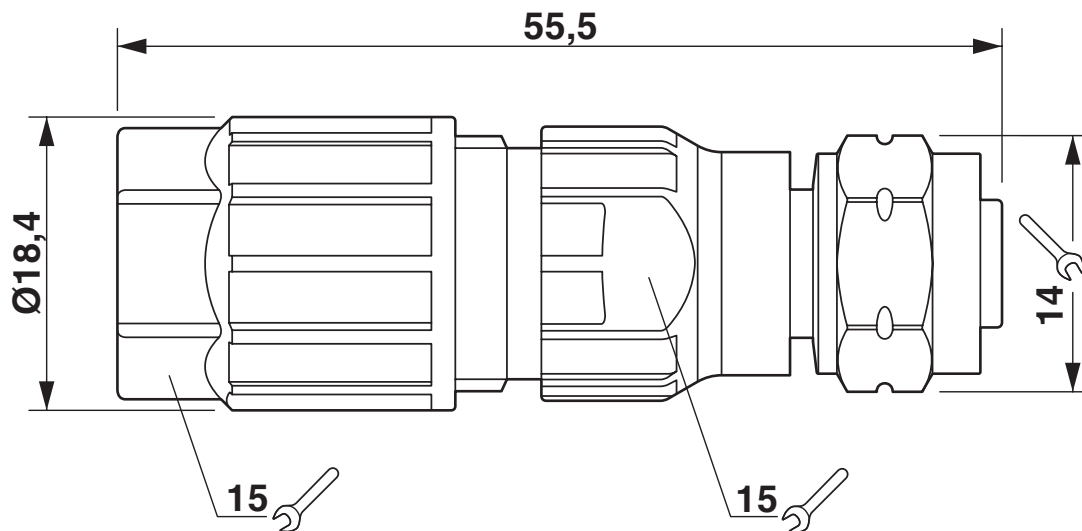
SACC-M12FS-4QO-0,75-VA - Connector

1440782

<https://www.phoenixcontact.com/us/products/1440782>

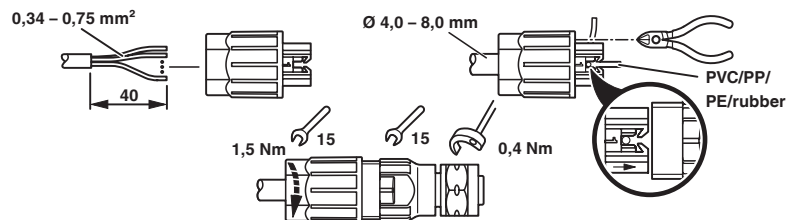
Drawings

Dimensional drawing

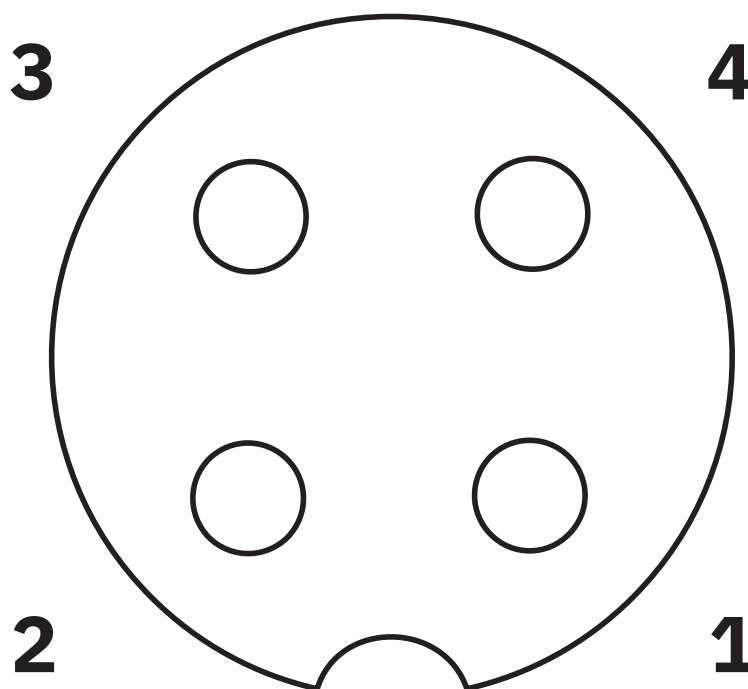


M12 socket, straight,
QUICKON connection: 0.34 mm² ... 0.75 mm²

Functional drawing



Schematic diagram



Pin assignment M12 socket, 4-pos., A-coded, view female side

SACC-M12FS-4QO-0,75-VA - Connector



1440782

<https://www.phoenixcontact.com/us/products/1440782>

Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1440782>

DNV

Approval ID: TAE00002K4

SACC-M12FS-4QO-0,75-VA - Connector



1440782

<https://www.phoenixcontact.com/us/products/1440782>

Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

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

UNSPSC

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

SACC-M12FS-4QO-0,75-VA - Connector



1440782

<https://www.phoenixcontact.com/us/products/1440782>

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%
EF3.0 Climate Change	
CO2e kg	0.762 kg CO2e

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