

SACC-M12FR-4CON-PG 7-VA - Connector



1553284

<https://www.phoenixcontact.com/us/products/1553284>

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 angled M12, coding: A, Screw connection, knurl material: Stainless steel 1.4404, cable gland Pg7, external cable diameter 4 mm ... 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

Commercial data

Item number	1553284
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF30
Product key	AF2CAA
GTIN	4046356170208
Weight per piece (including packing)	27.25 g
Weight per piece (excluding packing)	26.29 g
Customs tariff number	85366990
Country of origin	DE

SACC-M12FR-4CON-PG 7-VA - Connector



1553284

<https://www.phoenixcontact.com/us/products/1553284>

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

The connector pin assignment can be rotated 90° to the cable outlet

Product properties

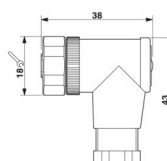
Product type	Circular connector (cable-side)
Sensor type	Universal
Number of positions	4
No. of cable outlets	1
Shielded	no
Coding	A
Cable outlet	angled
Pg screw connection	Pg7

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Dimensions

Dimensional drawing



Length

38 mm

External dimensions

Outside diameter

4 mm ... 6 mm

Housing

Diameter housing

20 mm

Material specifications

Seal material	NBR
Material of grip body	PA
Contact material	CuZn
Contact surface material	Au

SACC-M12FR-4CON-PG 7-VA - Connector



1553284

<https://www.phoenixcontact.com/us/products/1553284>

Contact carrier material	PA
Material for screw connection	Stainless steel 1.4404

Connection data

Conductor connection

Connection method	Screw connection
Connection cross section	0.25 mm² ... 0.75 mm² (without ferrule)
	0.14 mm² ... 0.75 mm² (with ferrule)
	0.25 mm² ... 0.75 mm² (solid)
Connection cross section AWG	24 ... 18 (without ferrule)
	26 ... 20 (with ferrule)
Tightening torque	0.8 Nm ... 1 Nm (Pressure screw)
	0.2 Nm (Screw terminal blocks)

Electrical properties

Rated surge voltage	2.5 kV
Contact resistance	≤ 3 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	angled
Head thread type	M12
Coding	A

Cable/line

Signal type/category	Universal
----------------------	-----------

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP67
	IP69K
Ambient temperature (operation) (male connector/female connector)	-40 °C ... 85 °C

SACC-M12FR-4CON-PG 7-VA - Connector



1553284

<https://www.phoenixcontact.com/us/products/1553284>

Standards and regulations

M12

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

SACC-M12FR-4CON-PG 7-VA - Connector

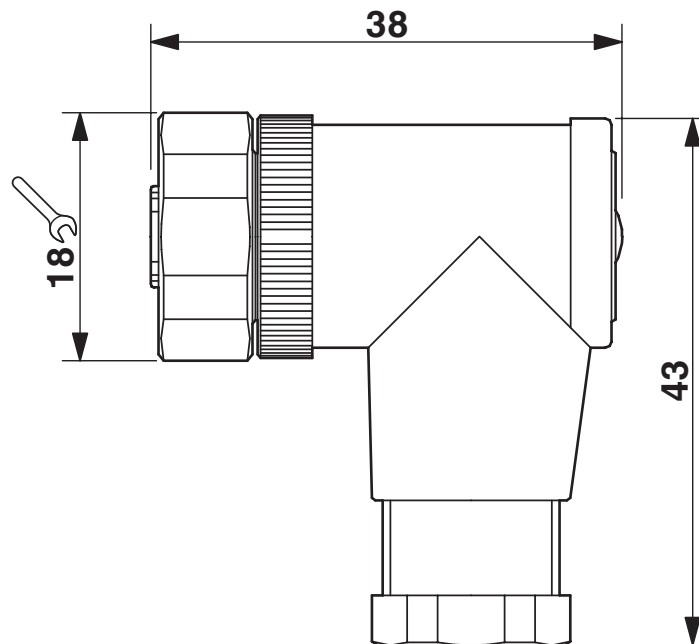


1553284

<https://www.phoenixcontact.com/us/products/1553284>

Drawings

Dimensional drawing

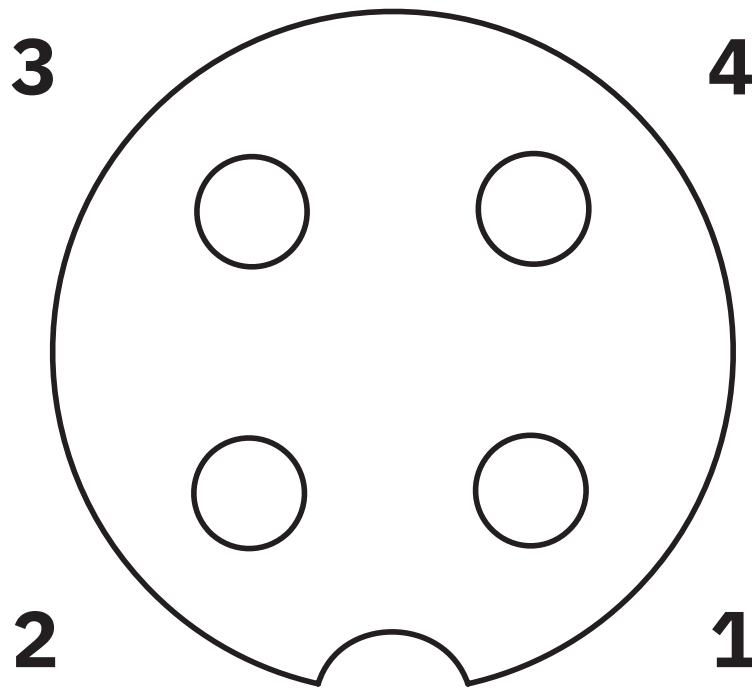


M12 x 1 socket, angled

1553284

<https://www.phoenixcontact.com/us/products/1553284>

Schematic diagram



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

SACC-M12FR-4CON-PG 7-VA - Connector





1553284

<https://www.phoenixcontact.com/us/products/1553284>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1553284>

 cUL Recognized Approval ID: FILE E 221474				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine				
	250 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
keine				
	250 V	4 A	-	-

SACC-M12FR-4CON-PG 7-VA - Connector



1553284

<https://www.phoenixcontact.com/us/products/1553284>

Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

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

UNSPSC

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

SACC-M12FR-4CON-PG 7-VA - Connector



1553284

<https://www.phoenixcontact.com/us/products/1553284>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	f3da7285-392d-4ed5-abde-97d0e9baf9c9

EF3.0 Climate Change

CO2e kg	0.967 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