

Connector - SACC-M12FR-5CON-PG9-M - 1681499

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




Connector, 5-position, Socket angled M12, A-coded, Screw connection, knurl material: Zinc die-cast, nickel-plated, cable gland Pg9, external cable diameter 6 mm ... 8 mm

Why buy this product

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

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 157418
GTIN	4017918157418
Sales Key	02

Technical data

Dimensions

Diameter housing	20 mm
Length	35 mm
External cable diameter	6 mm ... 8 mm
Stripping length of the sheath	20 mm
Stripping length of the individual wire	5 mm

Ambient conditions

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

General

Rated current at 40°C	4 A
Rated voltage	60 V DC

Connector - SACC-M12FR-5CON-PG9-M - 1681499

Technical data

General

	48 V AC
Number of positions	5
Color handle area	black
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Screw connection
Conductor 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)
Conductor cross section AWG	24 ... 18 (without ferrule)
	26 ... 20 (with ferrule)
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)
	0.2 Nm (Screw terminal blocks)
	0.8 Nm ... 1 Nm (Pressure screw with sleeve housing)
Tightening torque	Screw plug insert with sleeve housing as far it will go
Assembly instructions	The connector pin assignment can be rotated 90° to the cable outlet
	The wires can be connected both with ferrules and without ferrules

Material

Flammability rating according to UL 94	HB
Contact material	CuZn
Contact surface material	CuSnZn
Contact carrier material	PA
Material of grip body	PA
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Connection in acc. with standard	CUL
Flammability rating according to UL 94	HB

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50

Connector - SACC-M12FR-5CON-PG9-M - 1681499

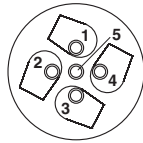
Technical data

Environmental Product Compliance

	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"
--	---

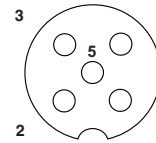
Drawings

Schematic diagram



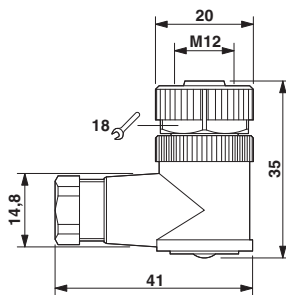
Cable connection side M12 (screw connection)

Schematic diagram



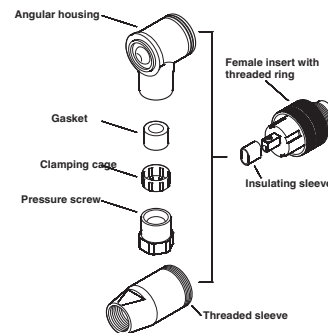
Pin assignment M12 socket, 5-pos., A-coded, socket side view

Dimensional drawing



M12 x 1 socket, angled

Schematic diagram



Male/Female M12

Approvals

Approvals

Approvals

EAC / UL Recognized / cUL Recognized / cULus Recognized


Ex Approvals


Approval details

EAC		EAC-Zulassung
-----	--	---------------

Connector - SACC-M12FR-5CON-PG9-M - 1681499

Approvals

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 221474
Nominal voltage UN		125 V	
Nominal current IN		4 A	

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 221474
Nominal voltage UN		125 V	
Nominal current IN		4 A	

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	
------------------	--	---	--

Phoenix Contact 2018 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>