

Connector - SACC-M12MSB-5CON-DM 5-8 SH VA - 1440148

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

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 483322
GTIN	4046356483322

Technical data

Dimensions

Diameter housing	20 mm
Length	62 mm
External cable diameter	5.5 mm ... 8.6 mm
Stripping length of the sheath	35 mm
Stripping length of the individual wire	5 mm

Ambient conditions

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

General

Rated current at 40°C	4 A
-----------------------	-----

Connector - SACC-M12MSB-5CON-DM 5-8 SH VA - 1440148

Technical data

General

Rated voltage	60 V DC
	48 V AC
Number of positions	5
Insulation resistance	≥ 100 MΩ
Coding	B-coded
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 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)
Tightening torque	Screw plug insert with sleeve housing as far it will go
Assembly instructions	The wires can be connected both with ferrules and without ferrules

Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA
Material of grip body	Stainless steel
Material, knurls	Stainless steel 1.4404
Sealing material	FKM

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	V0

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
------------	--

Connector - SACC-M12MSB-5CON-DM 5-8 SH VA - 1440148

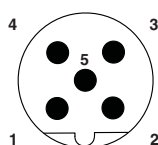
Technical data

Environmental Product Compliance

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

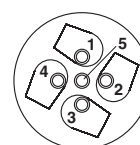
Drawings

Schematic diagram



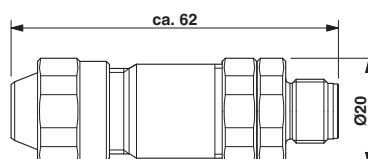
Pin assignment M12 male connector, 5-pos., B-coded, male side

Schematic diagram



Cable connection side M12 (screw connection)

Dimensional drawing



Plug, M12 x 1, straight, shielded

Approvals

Approvals

Approvals

EAC / EAC / UL Recognized / cUL Recognized / UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approval details


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


Connector - SACC-M12MSB-5CON-DM 5-8 SH VA - 1440148


Approvals

EAC		RU C- DE.AI30.B.01102
-----	---	--------------------------

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 221474
---------------	---	---	---------------

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 221474
----------------	---	---	---------------

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

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

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>