

<https://www.phoenixcontact.com/gb/products/1440041>

## Connector - SACC-M12FS-5CON-DM 5-8 SH VA - 1440041

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Connector, 5-position, shielded, Socket straight M12, A-coded, 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
- 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

### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 481373
GTIN	4046356481373
Weight per Piece (excluding packing)	61.400 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

Diameter housing	20 mm
Length	57 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	IP65
	IP67

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## Technical data

### Ambient conditions

	IP69K
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### General

Note	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.
Rated current at 40°C	4 A
Rated voltage	48 V AC 60 V DC
Number of positions	5
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 mm <sup>2</sup> ... 0.75 mm <sup>2</sup> (without ferrule) 0.14 mm <sup>2</sup> ... 0.75 mm <sup>2</sup> (with ferrule) 0.25 mm <sup>2</sup> ... 0.75 mm <sup>2</sup> (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 1.4404
Material, knurls	Stainless steel 1.4404
Sealing material	FKM

### Standards and Regulations

Standard designation	M12 connector
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### Technical data

#### Standards and Regulations

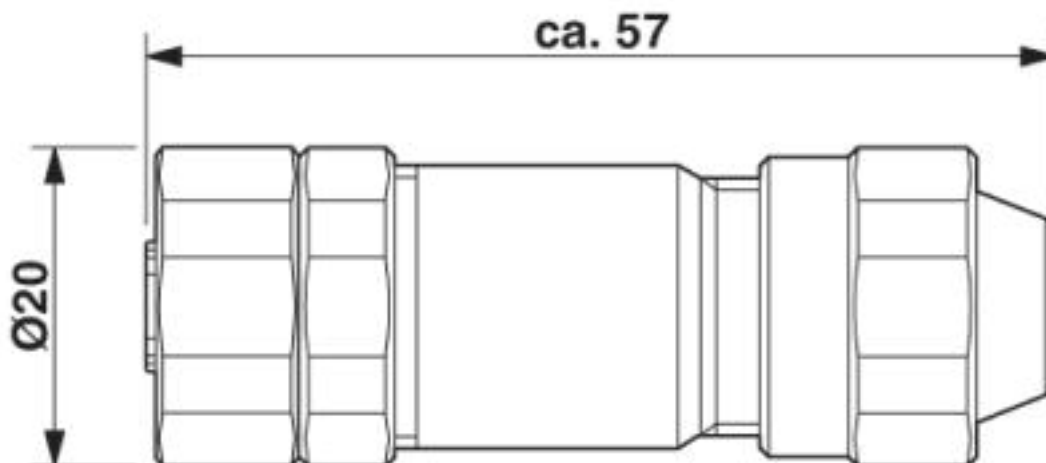
Standards/regulations	IEC 61076-2-101
Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

#### Environmental Product Compliance

	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

### Drawings

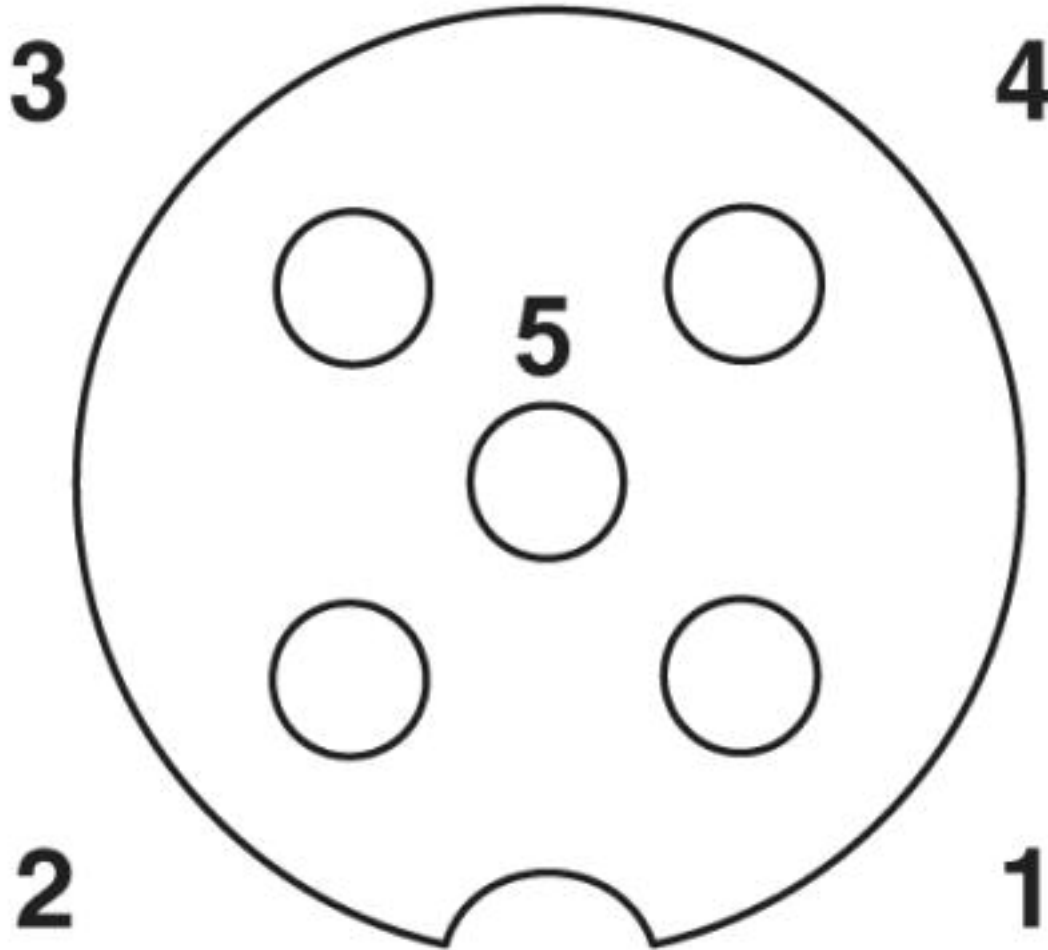
Dimensional drawing



M12 x 1 socket, straight, shielded

# Connector - SACC-M12FS-5CON-DM 5-8 SH VA - 1440041

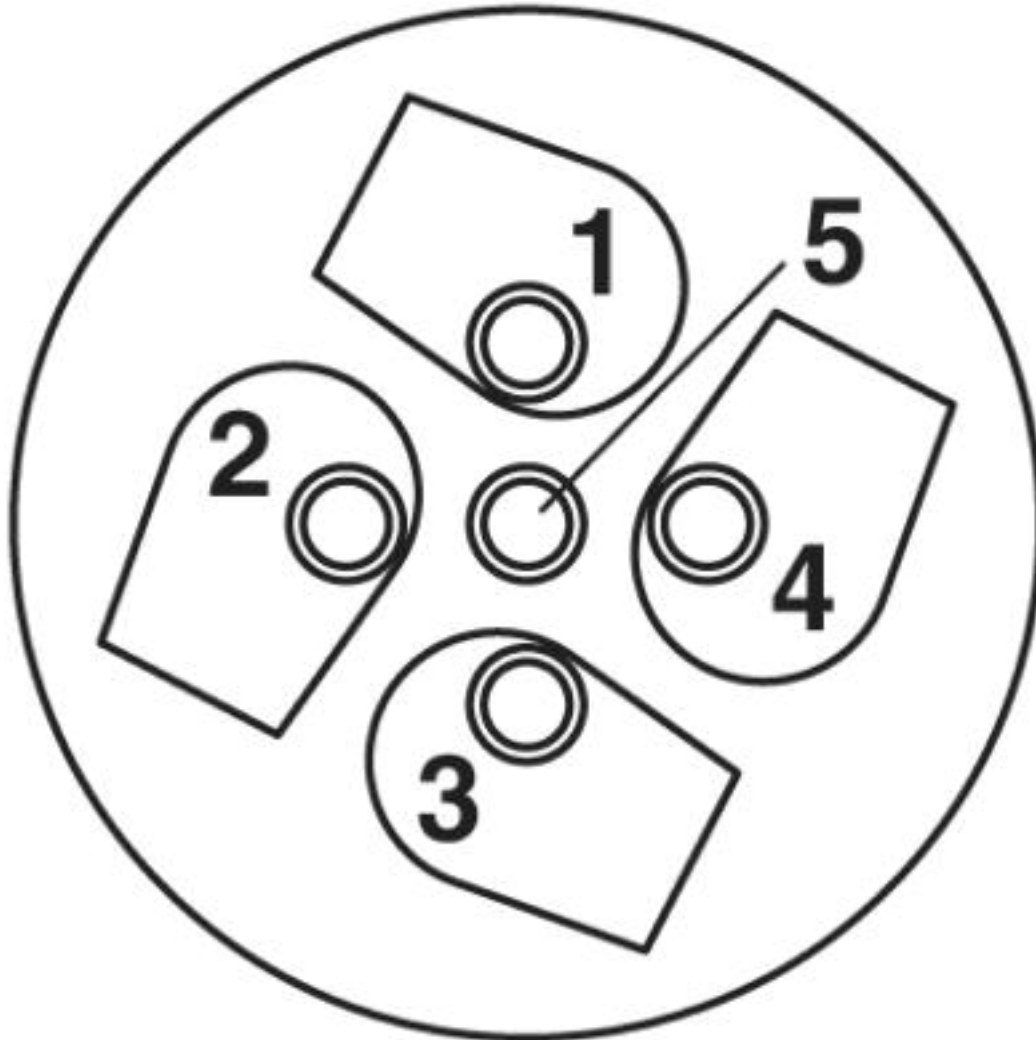
Schematic diagram



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

# Connector - SACC-M12FS-5CON-DM 5-8 SH VA - 1440041

Schematic diagram



Cable connection side M12 (screw connection)

## Classifications

eCl@ss

eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27143400
eCl@ss 6.0	27279200
eCl@ss 7.0	27440104
eCl@ss 8.0	27440104
eCl@ss 9.0	27440102



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## Classifications

### ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC002062
ETIM 5.0	EC002062
ETIM 6.0	EC002062

### UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	39121413

## Approvals

### Approvals


#### Approvals


DNV GL / UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized

#### Ex Approvals

### Approval details

DNV GL		<a href="https://approvalfinder.dnvgl.com/">https://approvalfinder.dnvgl.com/</a>	TAE00002K4
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UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 221474
Nominal voltage UN	125 V		
Nominal current IN	4 A		


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

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## Approvals

EAC		RU C- DE.AI30.B.01102
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EAC		EAC-Zulassung
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cULus Recognized		
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