PHŒNIX CONTACT

Connector - SACC-M12FS-5CON-PG11-DUO - 1694596

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Connector, Universal, 5-position, Socket straight M12, A-coded, Screw connection, knurl material: Plastic, cable gland Pg11-DUO, external cable diameter 2.1 mm ... 3 mm / 4 mm ... 5.2 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

☑ Save space: connect two sensors to one connector with a multiple grommet

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4017918457099
Sales Key	02

GTIN barcode: 4 017918 457099

Technical data

Dimensions

Diameter housing	20 mm
Length	58 mm
External cable diameter	2x 2.1 mm ... 3 mm (when using the seal for small outer cable diameters)
	2x 4 mm ... 5.2 mm (when using the seal for large outer cable diameters)
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

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Technical data

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
Color handle area	black
Insulation resistance	$\geq$ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Signal type/category	Universal
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	$\geq$ 100
Torque	0.4 Nm (M12 knurl)
	0.8 Nm ... 1 Nm
	0.2 Nm (Screw terminal blocks)
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
	This connector includes one seal for small and one seal for large outer cable diameters.

Material

Contact material	CuZn
Contact surface material	CuSnZn
Contact carrier material	PA
Material of grip body	PA
Material, knurls	Plastic
Sealing material	NBR

Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Connection in acc. with standard	CUL

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Environmental Product Compliance

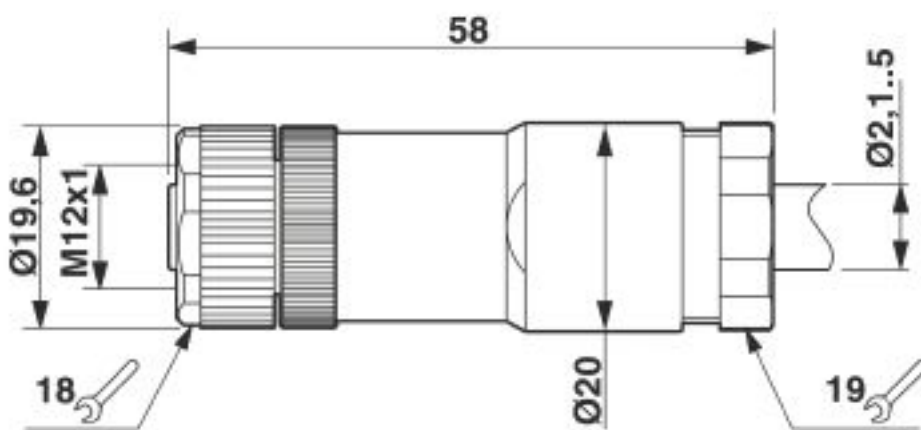| REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings
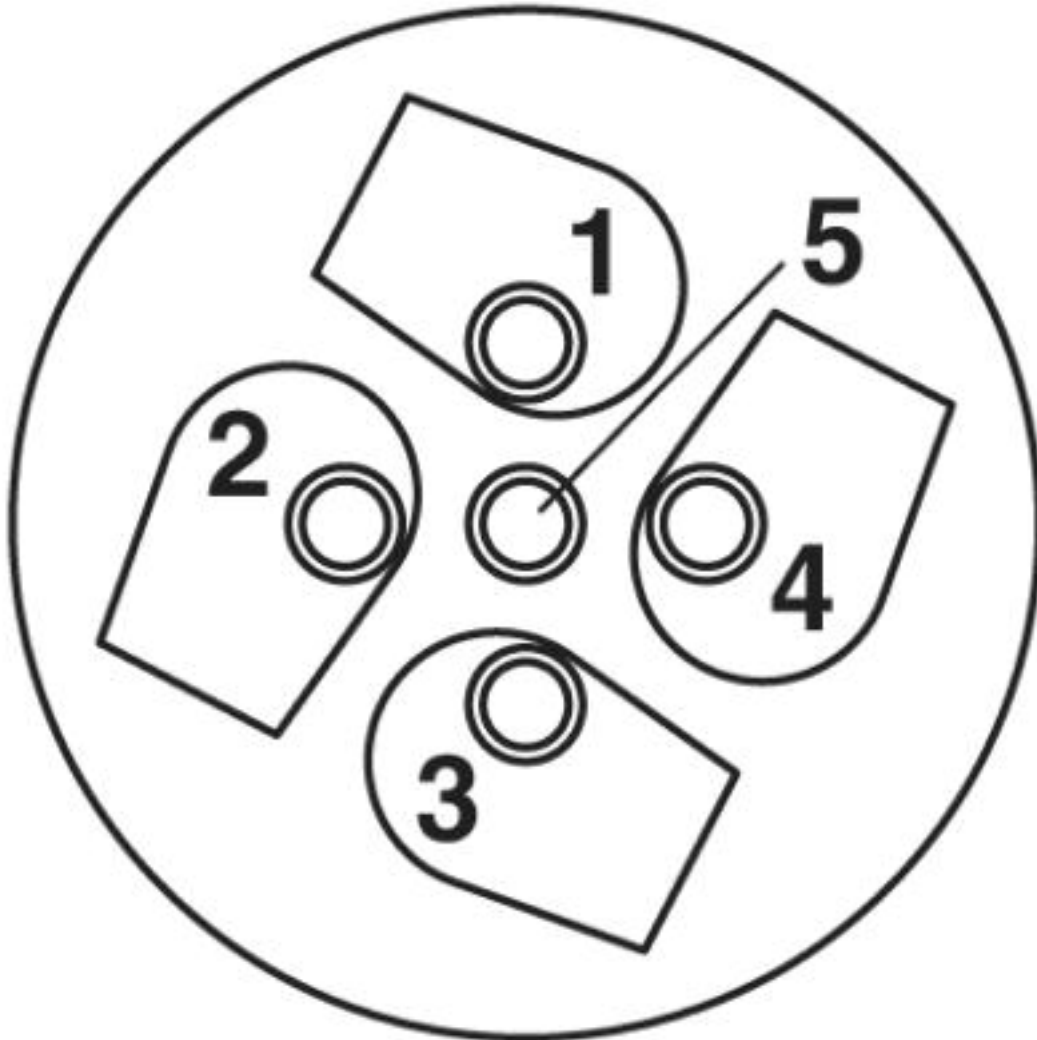
Dimensional drawing

M12 x 1 socket, straight

Dimensional drawing

M12 x 1 socket, straight

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Schematic diagram

Cable connection side M12 (screw connection)

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Schematic diagram

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

Approvals

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UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

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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

EAC		EAC-Zulassung

cULus Recognized	

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