

Connector - SACC-M12MR-5CON-PG 7-M



1663129

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Connector, Universal, 5-position, Plug angled M12, Coding: A, Screw connection, knurl material: Zinc die-cast, nickel-plated, 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

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Commercial Data

Order Key	1663129
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	BF2
Product Key	BF2CAA
Catalog Page	Page 22 (C-2-2019)
GTIN	4017918116590
Weight per Piece (including packing)	24.37 g
Weight per Piece (excluding packing)	22.4 g
Customs tariff number	85366990
Country of origin	DE

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Technical Data

Notes

Assembly instruction:

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.

Product properties

Number of positions	5
Coding	A - standard

Insulation characteristics

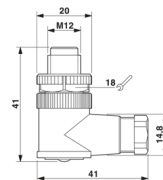
Overvoltage category	II
Degree of pollution	3

Ambient conditions

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

Dimensions

Dimensional drawing



Width	20 mm
Height	41 mm
Length	41 mm

External dimensions

Outside diameter	4 mm ... 6 mm
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Housing

Diameter housing	20 mm
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Connector

Insertion/withdrawal cycles	≥ 50
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Header 1

Head design	Plug
Head cable outlet	angled
Head thread type	M12
Coding	A-coded

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Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	≤ 8 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	48 V AC 60 V DC
Nominal current I _N	4 A

Material specifications

Color Handle area	black
Flammability rating according to UL 94	HB
Sealing material	NBR
Material of grip body	PA
Contact material	CuZn
Contact surface material	CuSnZn
Contact carrier material	PA
Cable gland material	Zinc die-cast, nickel-plated

Connection data

Connection technology

Connection method	Screw connection
Outside diameter	4 mm ... 6 mm

Conductor connection

Connection method	Screw connection
Conductor cross section flexible	0.25 mm ² ... 0.75 mm ²
Cross section AWG	24 ... 18

Mounting

Assembly instructions	The connector pin assignment can be rotated 90° to the cable outlet
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Standards and regulations

Standards/specifications	IEC 61076-2-101
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Cable / line

Cable structure

Signal type/category	Universal
Stripping length of the individual wire	5 mm

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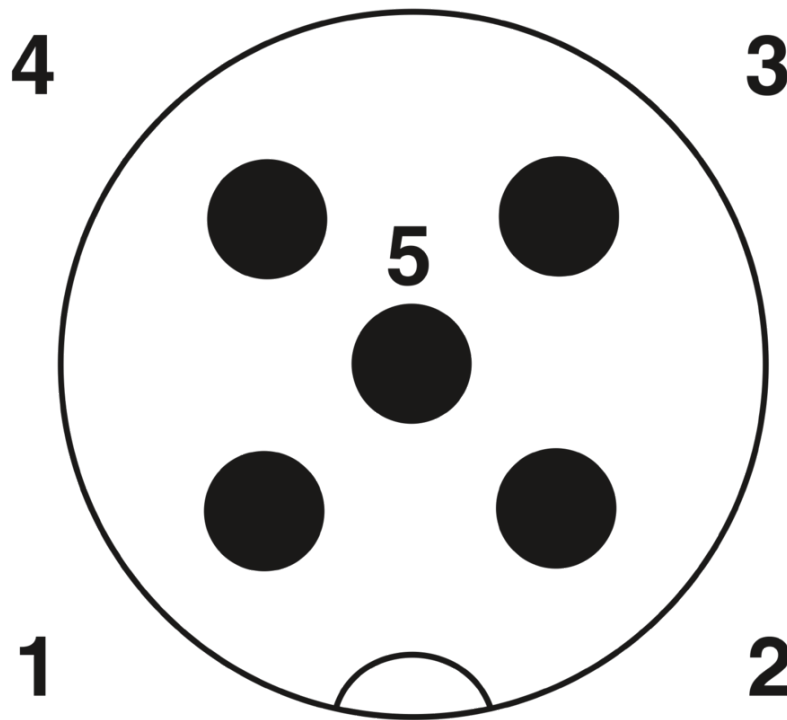


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Drawings

Schematic diagram



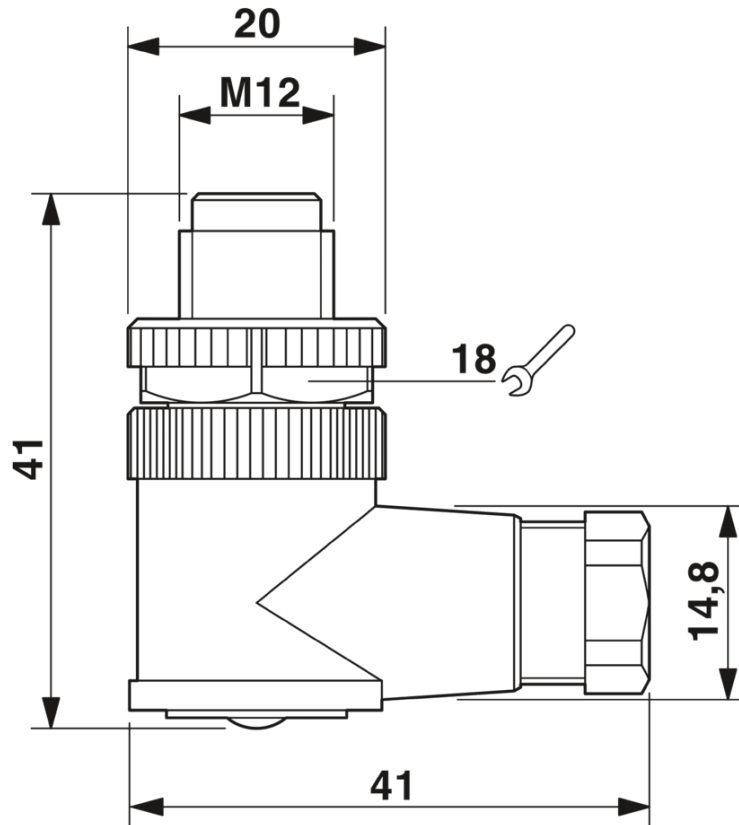
Pin assignment, plug M 12 (male side)

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Dimensional drawing

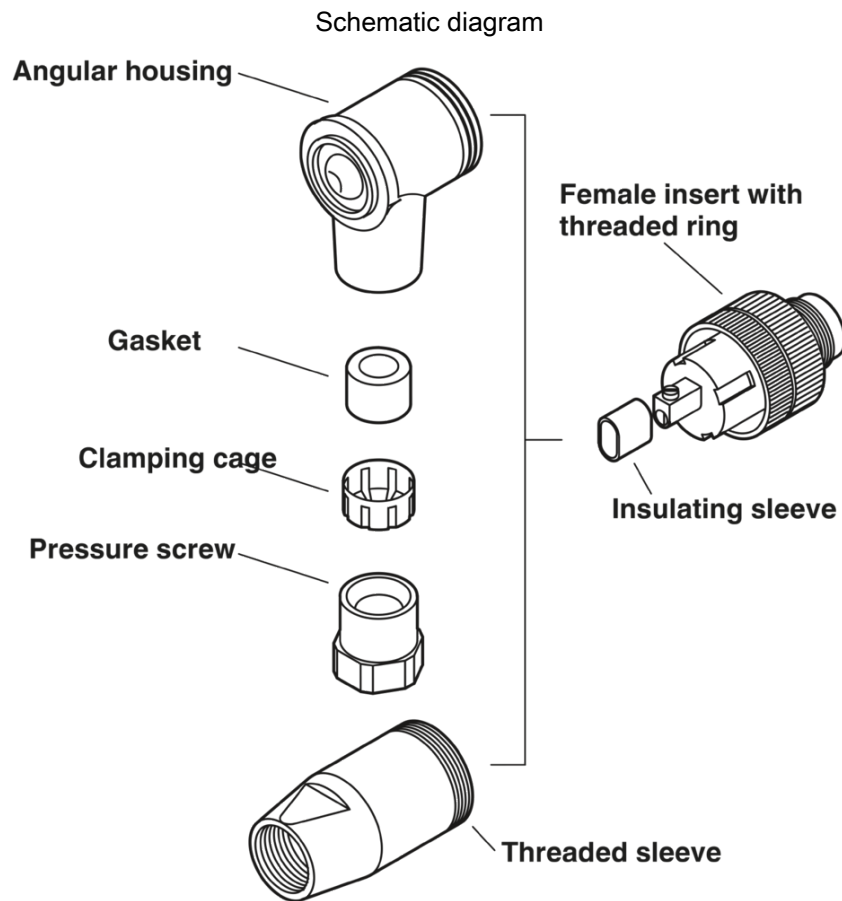


M12 x 1 male plug, angled

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Male/Female M12

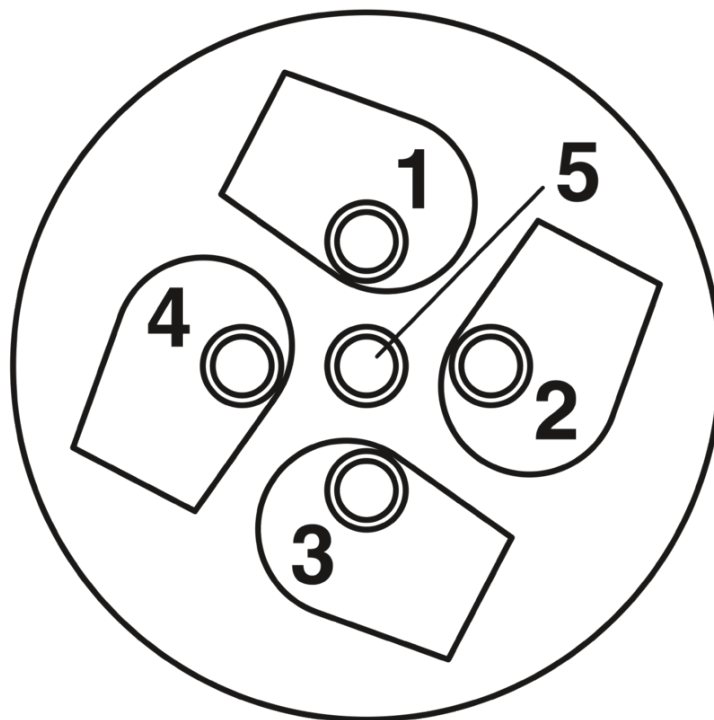
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Schematic diagram



Cable connection side M12 (screw connection)


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Approvals

cUL Recognized 	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	125 V	4 A	-	-

UL Recognized 	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	125 V	4 A	-	-

cULus Recognized

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Classifications

ECLASS

ECLASS-10.0.1	27440102
ECLASS-9.0	27440102
ECLASS-11.0	27440102

ETIM

ETIM 6.0	EC002062
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UNSPSC

UNSPSC 19.0	39121413
UNSPSC 20.0	39121413
UNSPSC 21.0	39121413

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Environmental Product Compliance

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

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Accessories

Cable reel

Cable reel - SAC-5P-100,0-PUR/0,34 - 1501676



By the meter, Cable reel, PUR halogen-free, black-gray RAL 7021, 5-wire, color single wire: brown, white, blue, black, green-yellow, cable length: 100 m

Connector

Connector - SACC-M12-SET/2,5-3,5 - 1436505



Sensor/actuator connector, accessories, pressure screw and Pg7 seal, for unshielded M12 connector, cable diameter 2.5 mm - 3.5 mm

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Screwdriver

Screwdriver - SZF 1-0,6X3,5 - 1204517



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

Ferrule

Ferrule - A 0,25- 5 - 3202465



Ferrule, length: 5 mm, color: silver

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Torque screwdriver

Torque screwdriver - TSD 04 SAC - 1208429



Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

Torque screwdriver

Torque screwdriver - TSD-M 1,2NM - 1212224



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

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Adapter insert

Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600



Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

Sealing cap

Sealing cap - PROT-M12 FS-PA-CHAIN - 1430873



M12 sealing cap made of plastic with fixing band, for sensor cables, for free M12 plugs

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Crimping pliers

Crimping pliers - CRIMPFOX 6H - 1212046



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.14 mm² ... 6 mm², unlockable pressure lock, lateral entry

Tool

Tool - SACC BIT M12-D20 - 1208445



Nut for assembling M12 connectors for assembly with a knurl diameter of 20 mm, for 4 mm hexagonal drive

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