Connector - SACC-M12MS-5CON-PG 7

1662256

https://www.phoenixcontact.com/pc/products/1662256

PHŒNIX CONTACT

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 documentation. Our General Terms of Use for Downloads are valid.

Connector, Universal, 5-position, Plug straight M12, Coding: A, Screw connection, knurl material: Plastic, 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

Commercial Data

Item number	1662256
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	02
Product Key	BF2CAA
Catalog Page	Page 22 (C-2-2019)
GTIN	4017918100445
Weight per Piece (including packing)	19.09 g
Weight per Piece (excluding packing)	18.15 g
Customs tariff number	85366990
Country of origin	DE

Connector - SACC-M12MS-5CON-PG 7

1662256

https://www.phoenixcontact.com/pc/products/1662256

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

Product type	Circular connector (cable-side)
Number of positions	5
No. of cable outlets	1
Shielded	no
Coding	A - standard
Cable outlet	straight
Pg screw connection	Pg7
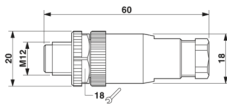
Insulation characteristics

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	
Length	60 mm

External dimensions

Outside diameter	4 mm ... 6 mm

Housing

Diameter housing	20 mm

Connector

Insertion/withdrawal cycles	≥ 50

Header 1

Head design	Plug
Head cable outlet	straight
Head thread type	M12

Coding	A-coded
Number of positions	5
Coding	A - standard
Insertion/withdrawal cycles	≥ 50
Connection method	Screw connection
Contact material	CuZn
Contact surface material	CuSnZn
Number of positions	5
Coding	A - standard
Insertion/withdrawal cycles	≥ 50
Connection method	Screw connection
Contact material	CuZn
Contact surface material	CuSnZn

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	Plastic

Connection data

Conductor connection

Connection method	Screw connection
Conductor cross section flexible	0.25 mm² ... 0.75 mm²
Cross section AWG	24 ... 18

Standards and regulations

Standards/specifications	IEC 61076-2-101

Cable / line

Cable structure

Signal type/category	Universal

Stripping length of the individual wire	5 mm

PHŒNIX
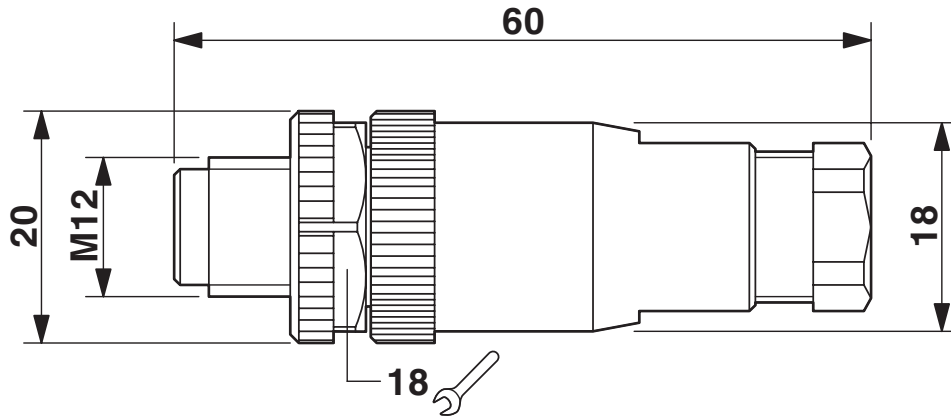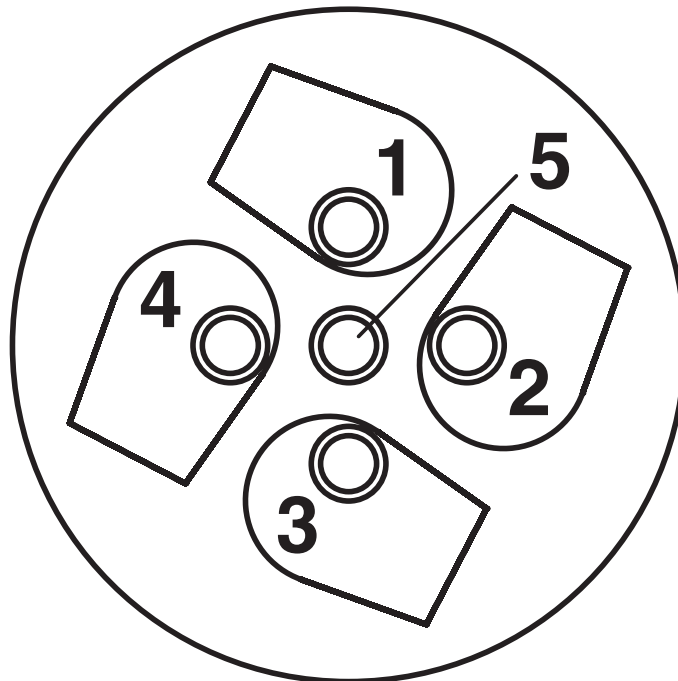CONTACT

Drawings

Dimensional drawing

Plug, M12 x 1, straight

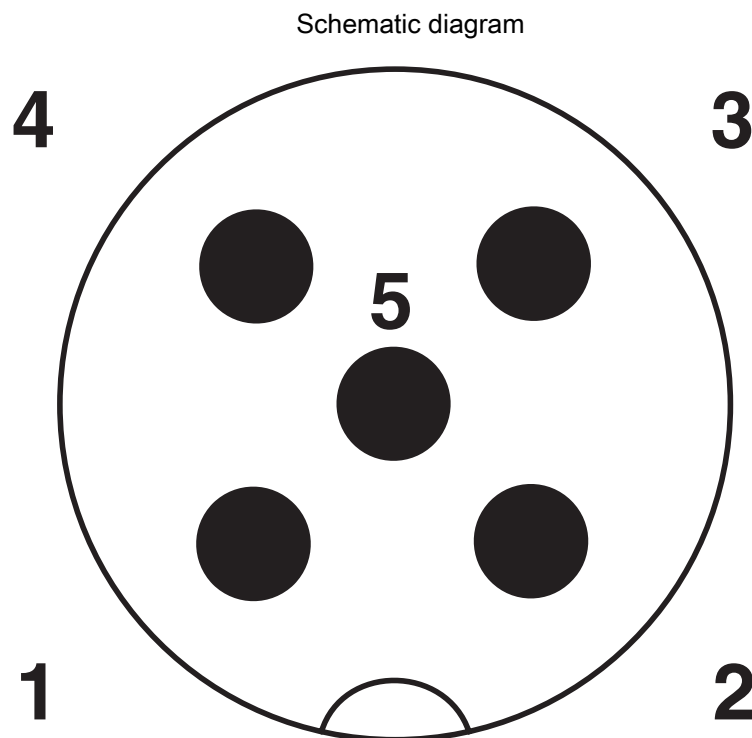Schematic diagram

Cable connection side M12 (screw connection)

Schematic diagram

Angular housing

Female insert with threaded ring

Gasket

Clamping cage

Insulating sleeve

Pressure screw

Threaded sleeve

Male/Female M12

Schematic diagram

4   3

5
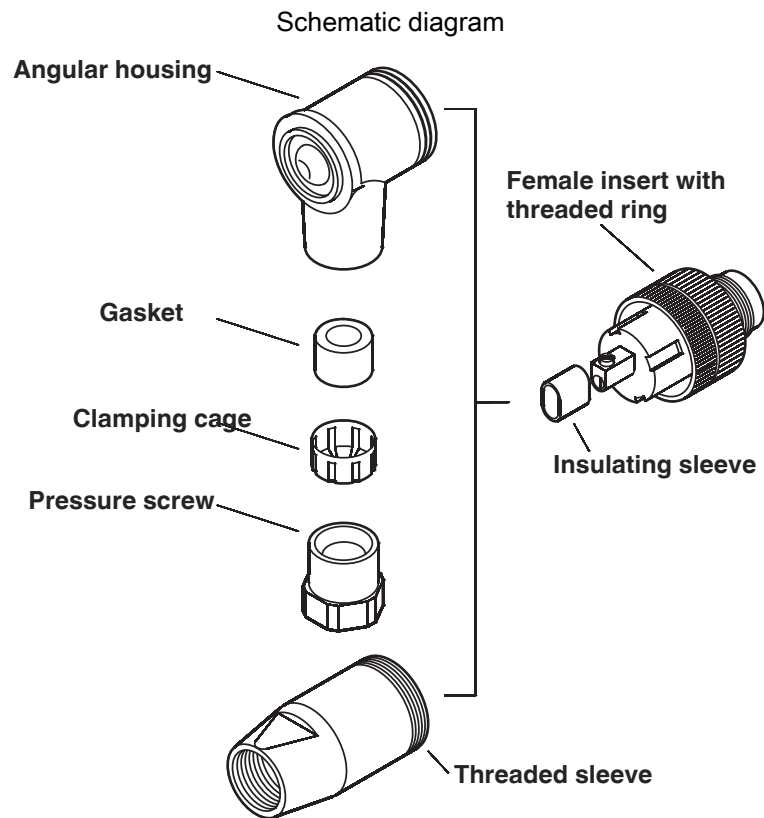
1   2

Pin assignment, plug M 12 (male side)

1662256

https://www.phoenixcontact.com/pc/products/1662256

Approvals

cUL Recognized
Approval ID: FILE E 221474

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

UL Recognized
Approval ID: FILE E 221474

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

cULus Recognized

Connector - SACC-M12MS-5CON-PG 7

Classifications

ECLASS

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

ETIM

ETIM 8.0	EC002635

UNSPSC

UNSPSC 21.0	39121400

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1

China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

Connector - SACC-M12MS-5CON-PG 7

1662256

https://www.phoenixcontact.com/pc/products/1662256

Accessories

Cable reel

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

https://www.phoenixcontact.com/pc/products/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

https://www.phoenixcontact.com/pc/products/1436505

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

Screwdriver

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

https://www.phoenixcontact.com/pc/products/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

https://www.phoenixcontact.com/pc/products/3202465

Ferrule, length: 5 mm, color: silver

Torque screwdriver

Torque screwdriver - TSD 04 SAC - 1208429

https://www.phoenixcontact.com/pc/products/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

https://www.phoenixcontact.com/pc/products/1212224

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

Connector - SACC-M12MS-5CON-PG 7

1662256

https://www.phoenixcontact.com/pc/products/1662256

Adapter insert

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

https://www.phoenixcontact.com/pc/products/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

https://www.phoenixcontact.com/pc/products/1430873

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

Connector - SACC-M12MS-5CON-PG 7

1662256

https://www.phoenixcontact.com/pc/products/1662256

Crimping pliers

Crimping pliers - CRIMPFOX 6H - 1212046

https://www.phoenixcontact.com/pc/products/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 mm^2 ... 6 mm^2, unlockable pressure lock, lateral entry

Tool

Tool - SACC BIT M12-D20 - 1208445

https://www.phoenixcontact.com/pc/products/1208445

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