SACC-M12FS-8CON-PG11-M - Connector

1410665

https://www.phoenixcontact.com/in/products/1410665

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, 8-position, Socket straight M12, A, Screw connection, knurl material: Brass, nickel-plated, cable gland Pg11, external cable diameter 8 mm ... 10 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	1410665
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	BF2
Product Key	BF2CAA
Catalog Page	Page 22 (C-2-2019)
GTIN	4046356904667
Weight per Piece (including packing)	33.2 g
Weight per Piece (excluding packing)	32.74 g
Customs tariff number	85366990
Country of origin	CN

SACC-M12FS-8CON-PG11-M - Connector

1410665

https://www.phoenixcontact.com/in/products/1410665

Technical Data

Notes

General	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.

Mounting

Connection method	Screw connection
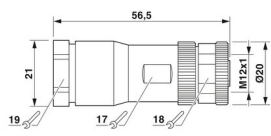
Product properties

Product type	Circular connector (cable-side)
Sensor type	Universal
Number of positions	8
No. of cable outlets	1
Shielded	no
Coding	A
Cable outlet	straight
Pg screw connection	Pg11

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	20 mm
Height	20 mm
Length	59 mm
Wrench size, union nut	19 mm
Wrench size, counter nut	17 mm

External dimensions

Outside diameter	8 mm ... 10 mm

Housing

Diameter housing	20 mm

Material specifications

Color Handle area	black
Flammability rating according to UL 94	HB

SACC-M12FS-8CON-PG11-M - Connector

1410665

https://www.phoenixcontact.com/in/products/1410665

Seal material	Silicon
Material of grip body	PBT
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA
Material for screw connection	Brass, nickel-plated

Connection data

Conductor connection

Connection method	Screw connection
Connection cross section	0.25 mm² ... 0.5 mm² (without ferrule)
	0.14 mm² ... 0.34 mm² (with ferrule)
	0.25 mm² ... 0.5 mm² (solid)
Connection cross section AWG	24 ... 20 (without ferrule)
	26 ... 22 (with ferrule)
Stripping length of the individual wire	5 mm
Tightening torque	0.4 Nm (M12 knurl)
	0.2 Nm (Screw terminal blocks)
	1 Nm (Pressure screw with sleeve housing)

Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	≤ 8 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	30 V AC
	30 V DC
Nominal current I_N	2 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100

Connector

Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M12
Coding	A

Cable/line

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

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101

SACC-M12FS-8CON-PG11-M - Connector

1410665

https://www.phoenixcontact.com/in/products/1410665

Drawings

Dimensional drawing
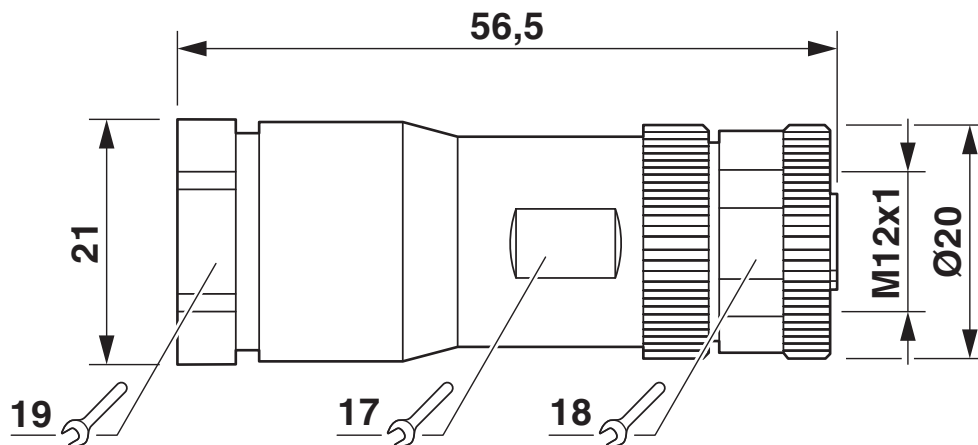
M12 x 1 socket, straight

Schematic diagram
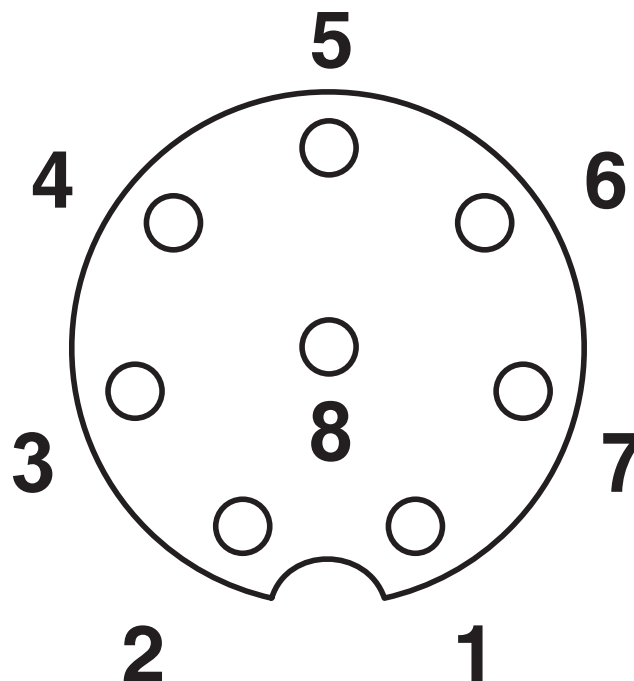
Pin assignment M12 socket, 8-pos., A-coded, view female side

SACC-M12FS-8CON-PG11-M - Connector

1410665

https://www.phoenixcontact.com/in/products/1410665

Schematic diagram
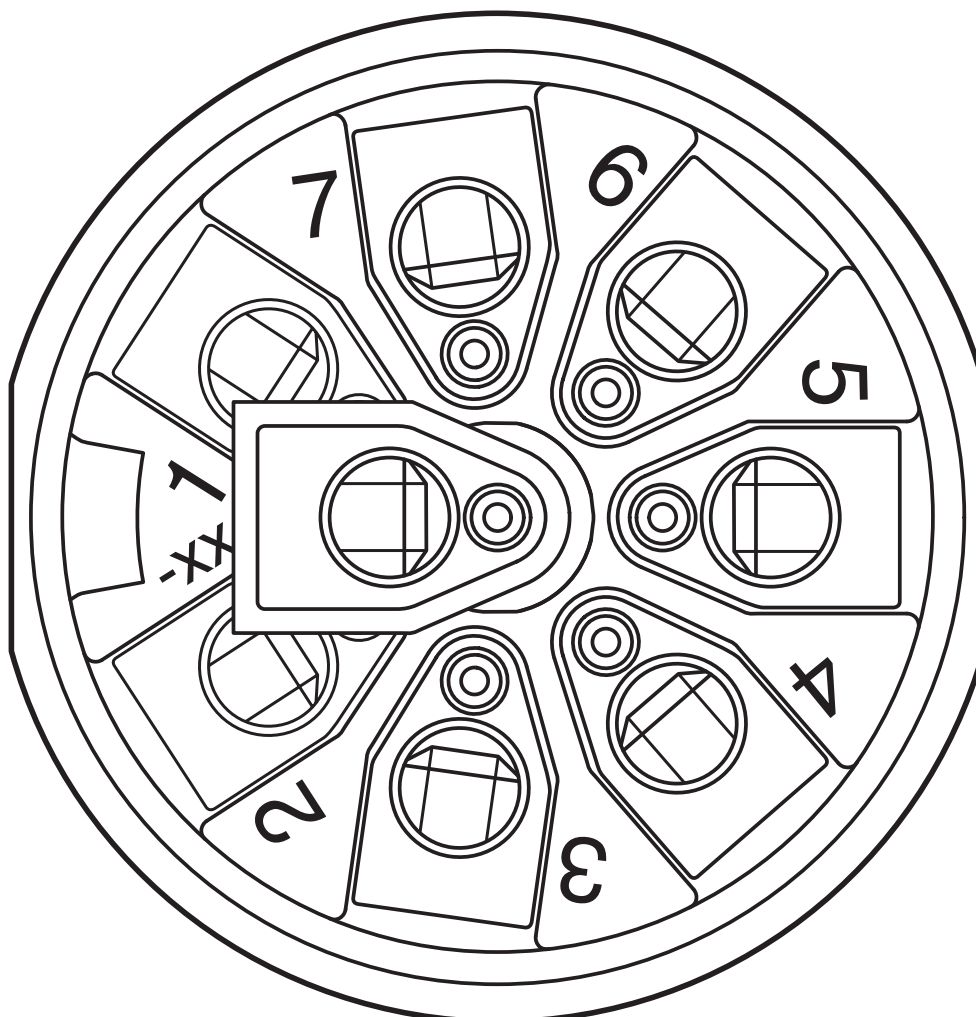
Cable connection side M12 (screw connection)

Approvals

💡 To download certificates, visit the product detail page: https://www.phoenixcontact.com/in/products/1410665

cUL Recognized
Approval ID: FILE E 221474

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

UL Recognized
Approval ID: FILE E 221474

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

cULus Recognized

SACC-M12FS-8CON-PG11-M - Connector

1410665

https://www.phoenixcontact.com/in/products/1410665

Classifications

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

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"

SACC-M12FS-8CON-PG11-M - Connector

Accessories

PROT-M12 MS-PA-CHAIN - Screw plug

M12 sealing cap with fixing band, for sensor cables, for free M12 sockets

A 0,25- 5 - Ferrule

Ferrule, length: 5 mm, color: silver

SACC-M12FS-8CON-PG11-M - Connector

1410665

https://www.phoenixcontact.com/in/products/1410665

TSD 04 SAC - Torque screwdriver

1208429

https://www.phoenixcontact.com/in/products/1208429

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

TSD-M 1,2NM - Torque screwdriver

1212224

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

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

SACC-M12FS-8CON-PG11-M - Connector

1410665

https://www.phoenixcontact.com/in/products/1410665

TSD-M SAC-BIT ADAPTER - Adapter insert

1212600

https://www.phoenixcontact.com/in/products/1212600

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

SACC BIT M12-D20 - Tool

1208445

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

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

SACC-M12FS-8CON-PG11-M - Connector

CRIMPFOX 6H - Crimping pliers

1212046

https://www.phoenixcontact.com/in/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

WIREFOX SAC - Stripping tool

1212623

https://www.phoenixcontact.com/in/products/1212623

Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from Ø of 4.4 to 7 mm, any stripping length

SACC-M12FS-8CON-PG11-M - Connector

1410665

https://www.phoenixcontact.com/in/products/1410665

VS-CABLE-STRIP-VARIO - Stripping tool

1657407

https://www.phoenixcontact.com/in/products/1657407

Stripping tool, for the multi-level stripping of shielded cables

SZS 0,4X2,0 - Screwdriver

1205202

https://www.phoenixcontact.com/in/products/1205202

Micro screwdriver, bladed, size: 0.4 x 2.0 x 60 mm, 2-component grip, with non-slip grip and twist cap