

Connector - SACC-MINFR-5CON-PG 9



1521517

<https://www.phoenixcontact.com/us/products/1521517>

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Connector, Universal, 5-position, Socket angled 7/8"-UNF, Coding: A, Screw connection, knurl
material: Zinc die-cast, nickel-plated, cable gland Pg9, external cable diameter 6 mm ... 8 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

Item number	1521517
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	B07
Product Key	BF2FAA
Catalog Page	Page 25 (C-2-2017)
GTIN	4017918949730
Weight per Piece (including packing)	51.73 g
Weight per Piece (excluding packing)	50.1 g
Customs tariff number	85366990
Country of origin	DE

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	angled
Pg screw connection	Pg9

Insulation characteristics

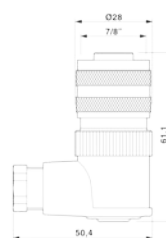
Overvoltage category	III
Degree of pollution	3

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)

Dimensions

Dimensional drawing



Length 61.1 mm

External dimensions

Outside diameter	6 mm ... 8 mm
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Housing

Diameter housing	28 mm
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Connector

Insertion/withdrawal cycles	≥ 100
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Header 1

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Head design	Socket
Head cable outlet	angled
Head thread type	7/8"-16UNF

Electrical properties

Rated surge voltage	4 kV
Contact resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage U_N	300 V AC
	300 V DC
Nominal current I_N	9 A

Material specifications

Flammability rating according to UL 94	HB
Material of grip body	PBT
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PUR / PA 6.6
Cable gland material	Zinc die-cast, nickel-plated

Connection data

Conductor connection

Connection method	Screw connection
Connection cross section	0.34 mm ² ... 1.5 mm ² (without ferrule)
	0.34 mm ² ... 1.5 mm ² (without ferrule)
	0.34 mm ² ... 1.5 mm ² (without ferrule)
Connection cross section AWG	22 ... 16 (without ferrule)
	22 ... 16 (with ferrule)
Tightening torque	0.8 Nm (7/8" connectors)
	0.4 Nm (Screw terminal blocks)
	0.8 Nm ... 1 Nm (Pressure screw)

Mounting

Assembly instructions	The wires can be connected both with ferrules and without ferrules
	The connector pin assignment can be rotated 45° to the cable outlet

Cable / line

Cable structure

Signal type/category	Universal
Stripping length of the individual wire	7 mm

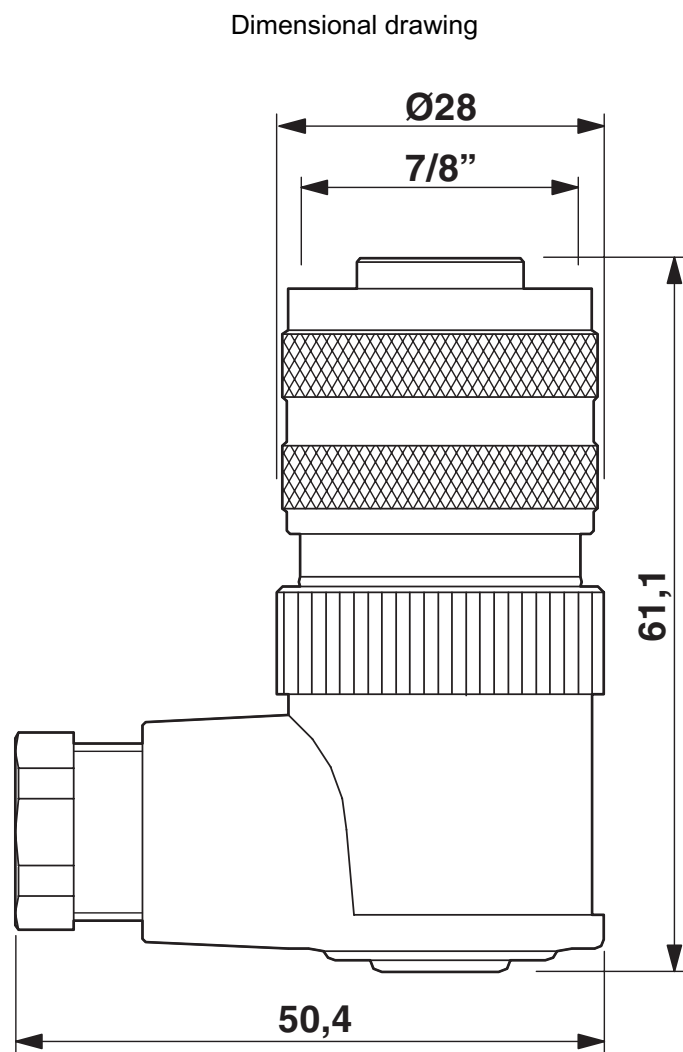
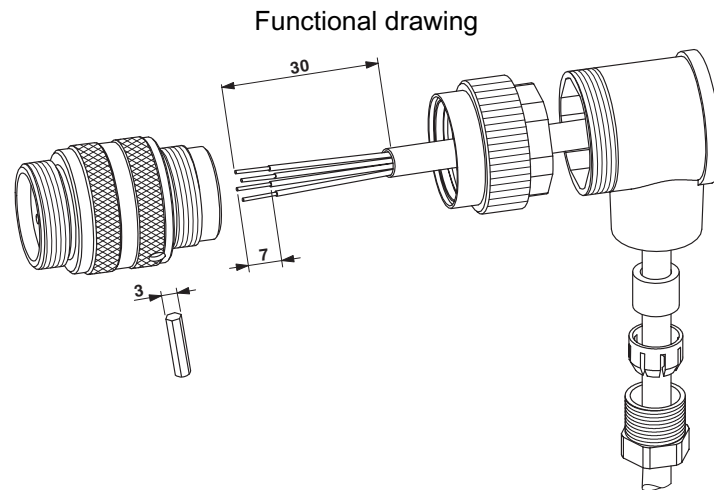
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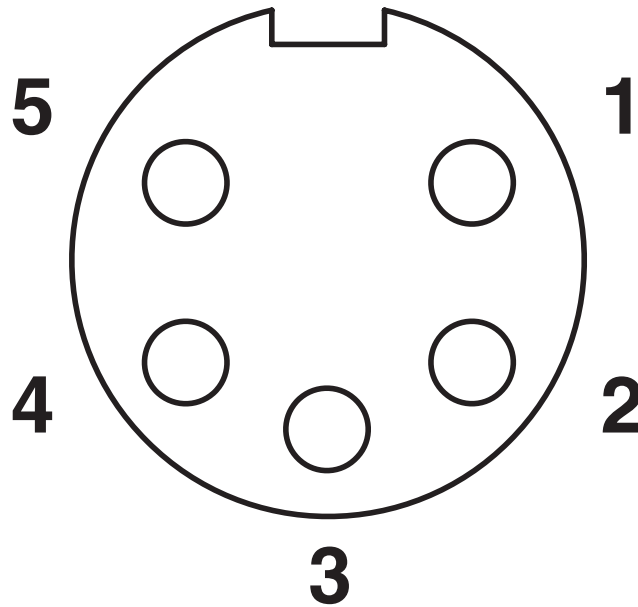
Drawings



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Schematic diagram



Pin assignment, socket, 7/8"-16UNF, 5-pos., view of female side

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Approvals

 cUL Recognized Approval ID: FILE E 221474				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	600 V	9 A	-	-

 UL Recognized Approval ID: FILE E 221474				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	600 V	9 A	-	-

 EAC Approval ID: RU C-DE.BL08.B.00511				
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cULus Recognized				
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Classifications

ECLASS

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

ETIM

ETIM 8.0	EC002635
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UNSPSC

UNSPSC 21.0	39121400
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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"

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Accessories

Torque screwdriver

Torque screwdriver - TSD 08 SAC - 1212597

<https://www.phoenixcontact.com/us/products/1212597>



Torque screw driver with preset torque of 0.8 Nm, with 4 mm hexagon for accommodating SAC bits, two-component handle with non-slip grip

Torque screwdriver

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

<https://www.phoenixcontact.com/us/products/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

<https://www.phoenixcontact.com/us/products/1212600>



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

Tool

Tool - SAC BIT MIN-D25 - 1212512

<https://www.phoenixcontact.com/us/products/1212512>



Nut for assembling 7/8" connectors with a knurl diameter of 25 mm, with 4 mm hexagonal drive

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Screw plug

Screw plug - PROT-MINMS-PA-CHAIN - 1430925

<https://www.phoenixcontact.com/us/products/1430925>

7/8" sealing cap made of plastic with fixing band, for sensor cables, for 7/8" sockets



Cable reel

Cable reel - SAC-5P-100,0-186/0,75 - 1535590

<https://www.phoenixcontact.com/us/products/1535590>

By the meter, Cable reel, PUR, black-gray RAL 7021, 5-wire, color single wire: Brown, white, blue, black, gray, cable length: 100 m



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