

SACC-MINFR-5CON-PG11/2,5 - Connector



1456297

<https://www.phoenixcontact.com/no/products/1456297>

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Connector, Universal, 5-position, Socket angled 7/8"-16UNF, coding: A, Screw connection, knurl material: Zinc die-cast, 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	1456297
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	31BBFS
Product key	BF2FAA
Catalog page	Page 25 (C-2-2017)
GTIN	4046356616928
Weight per piece (including packing)	58.26 g
Weight per piece (excluding packing)	56.67 g
Customs tariff number	85366990
Country of origin	DE

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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.
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Mounting

Assembly instructions	The wires can be connected both with ferrules and without ferrules
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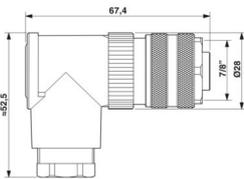
Product properties

Product type	Circular connector (cable-side)
Sensor type	Universal
Number of positions	5
No. of cable outlets	1
Shielded	no
Coding	A A
Cable outlet	angled
Pg screw connection	Pg11

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	28 mm
Height	52.5 mm
Length	67.4 mm

External dimensions

Outside diameter	8 mm ... 10 mm
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Housing

Diameter housing	28 mm
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Material specifications

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

Connection data

Conductor connection

Connection method	Screw connection
Connection cross section	0.34 mm ² ... 2.5 mm ² (without ferrule)
	0.34 mm ² ... 2.5 mm ² (with ferrule)
	0.34 mm ² ... 2.5 mm ² (solid)
Connection cross section AWG	22 ... 16 (without ferrule)
	22 ... 16 (with ferrule)
Stripping length of the individual wire	7 mm
Tightening torque	0.8 Nm (7/8" connectors)
	0.4 Nm (Screw terminal blocks)
	1 Nm ... 1.4 Nm (Pressure nut)

Electrical properties

Rated surge voltage	4 kV
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	300 V AC
	300 V DC
Nominal current I _N	9 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100
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Connector

Connection 1

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

Cable/line

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

Environmental and real-life conditions

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Ambient conditions

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

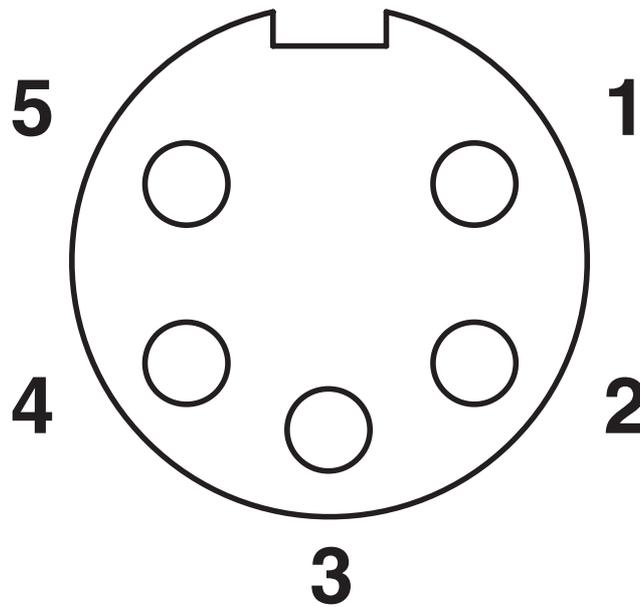
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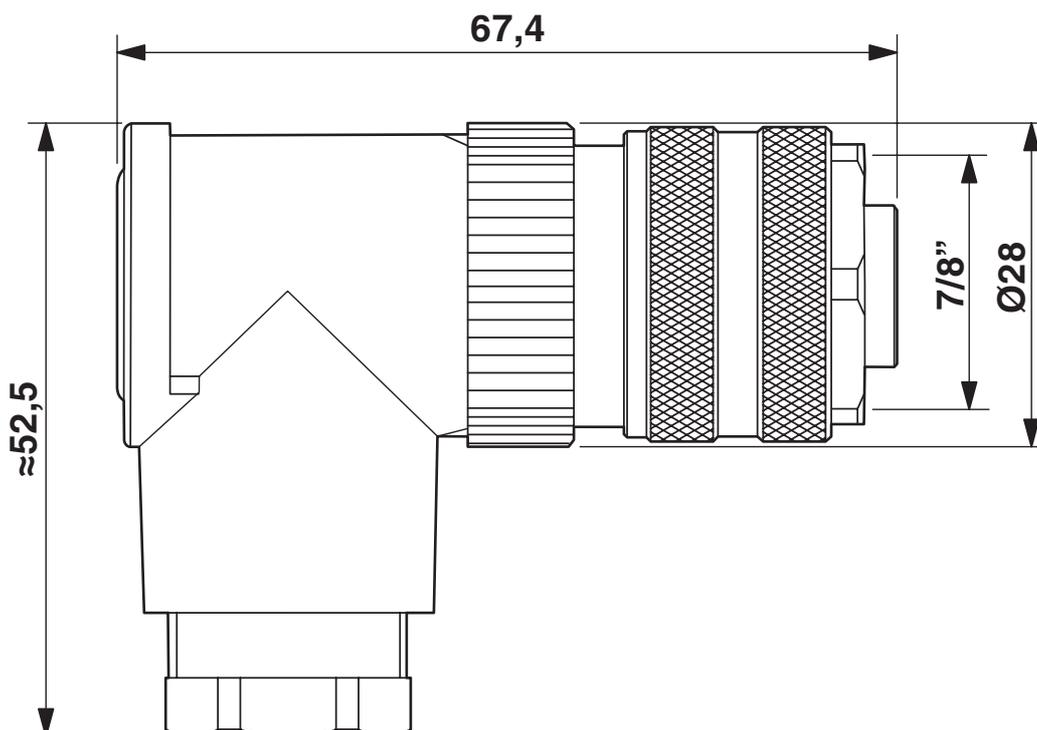
Drawings

Schematic diagram



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

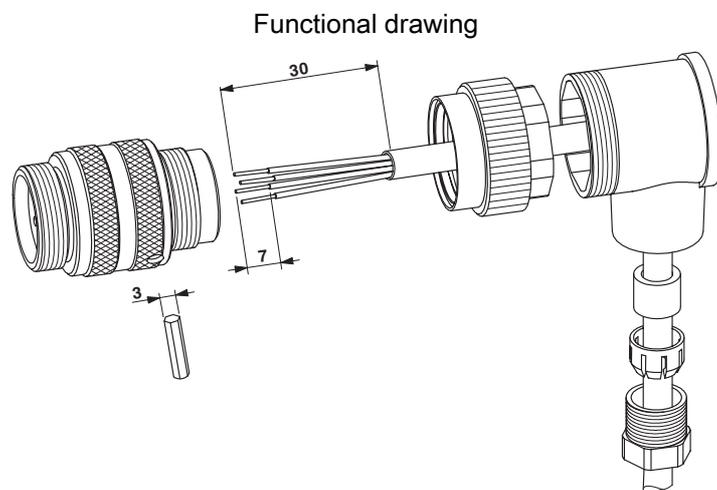
Dimensional drawing



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/no/products/1456297>

 cUL Recognized Approval ID: FILE E 221474				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	16 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	16 A	-	-

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

ECLASS

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

ETIM

ETIM 9.0	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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