

1456255

<https://www.phoenixcontact.com/us/products/1456255>

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Connector, Universal, 5-position, Plug angled 7/8"-16UNF, coding: A, Screw connection, knurl material: Zinc die-cast, nickel-plated, cable gland Pg13,5, external cable diameter 10 mm ... 12 mm, Contact 3 capacitive

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	1456255
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF30
Product key	AF2FAA
GTIN	4046356616881
Weight per piece (including packing)	64 g
Weight per piece (excluding packing)	50 g
Customs tariff number	85366990
Country of origin	DE

SACC-MINMR-5CON-PG13/2,5 - Connector



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Technical data

Notes

Assembly note

NOTE: Observe the permissible bending radii when routing cables, since the degree of protection may be at risk if the bending forces are too high. Reduce mechanical loads upstream of the connector, e.g., by using cable ties.

Mounting

Assembly note

The wires can be connected both with ferrules and without ferrules

Product properties

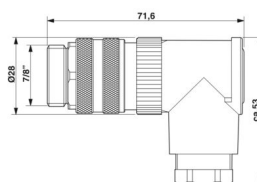
Product type	Circular connector (cable-side)
Sensor type	Universal
Number of positions	5
No. of cable outlets	1
Shielded	no
Coding	A
Cable outlet	angled
Pg screw connection	Pg13,5

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing



Width	28 mm
Height	53 mm
Length	71.6 mm

External dimensions

Outside diameter	10 mm ... 12 mm
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Housing

Diameter housing	28 mm
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Material specifications

Flammability rating according to UL 94	HB
Material of grip body	PBT

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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 ... 14 (without ferrule)
	22 ... 14 (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 screw)

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	Plug
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

Ambient conditions

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

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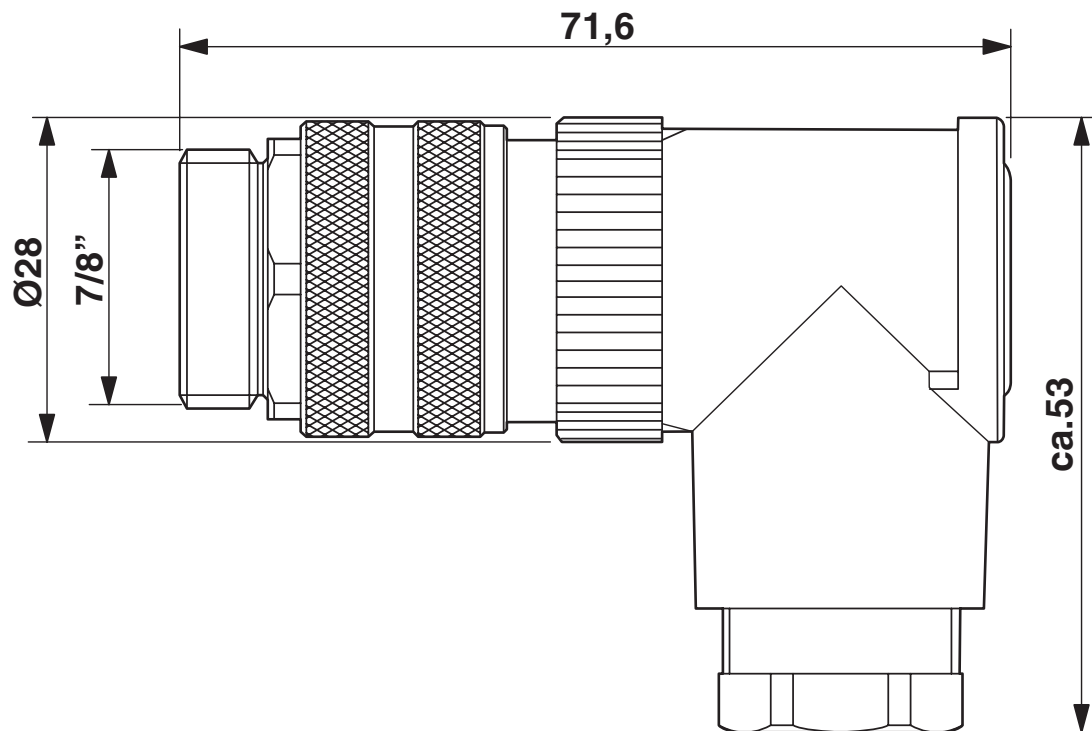
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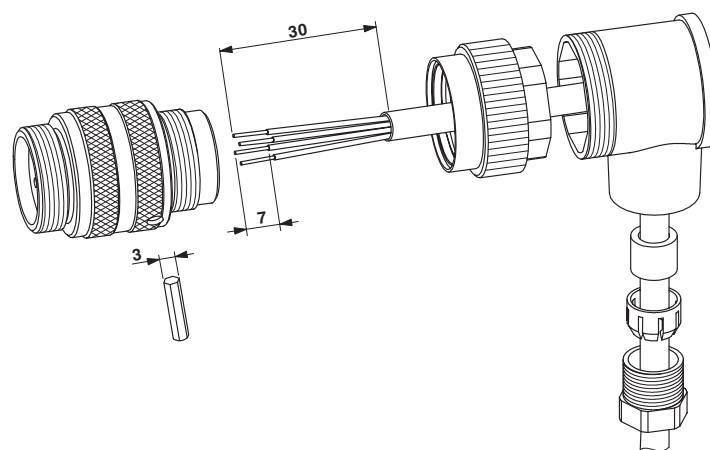
Drawings

Dimensional drawing



7/8" plug, angled

Functional drawing



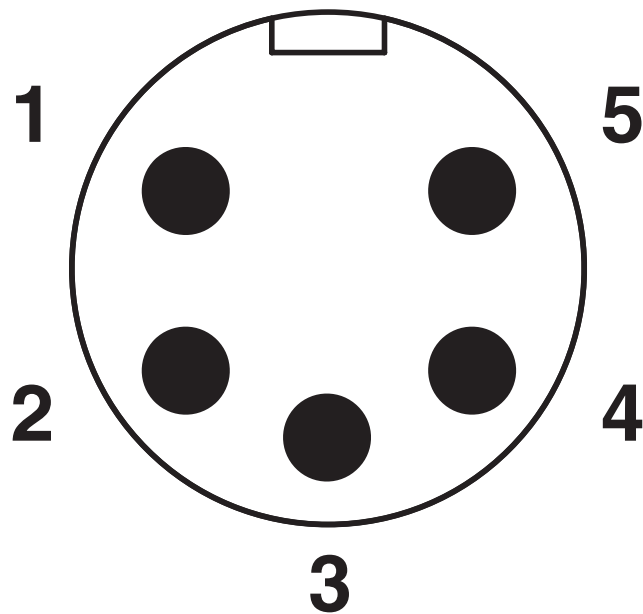
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Schematic diagram



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

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1456255>

keine	 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	-	-

keine	 UL Recognized Approval ID: FILE E 221474			
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Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

ETIM 9.0	EC002635
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	1fbaec11-ae3f-48f7-a797-68c0c1ae003