

# SACC-MINMR-4CON-PG13 - Connector



1414585

<https://www.phoenixcontact.com/pc/products/1414585>

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Connector, 4-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 4 leading

## 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	1414585
Packing unit	1 pc
Minimum order quantity	100 pc
Note	Made to order (non-returnable)
Product key	BF2FAA
GTIN	4055626029832
Weight per piece (including packing)	62.3 g
Weight per piece (excluding packing)	62.3 g
Customs tariff number	85366990
Country of origin	DE

## Technical data

### Notes

#### Assembly note

**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

#### Assembly note

The wires can be connected both with ferrules and without ferrules

The connector pin assignment can be rotated 45° to the cable outlet

### Product properties

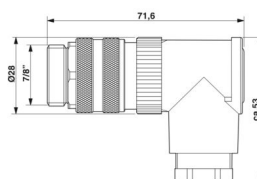
Product type	Circular connector (cable-side)
Number of positions	4
No. of cable outlets	1
Shielded	no
Coding	A
Cable outlet	angled
Pg screw connection	Pg13,5

#### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Dimensions

#### Dimensional drawing



#### Length

72 mm

#### External dimensions

#### Outside diameter

10 mm ... 12 mm

### 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

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Material for screw connection	Zinc die-cast, nickel-plated
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## Connection data

### Conductor connection

Connection method	Screw connection
Connection cross section	0.34 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Connection cross section AWG	22 ... 16
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

Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U <sub>N</sub>	300 V
Nominal current I <sub>N</sub>	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

Stripping length of the individual wire	7 mm
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## Environmental and real-life conditions

### Ambient conditions

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

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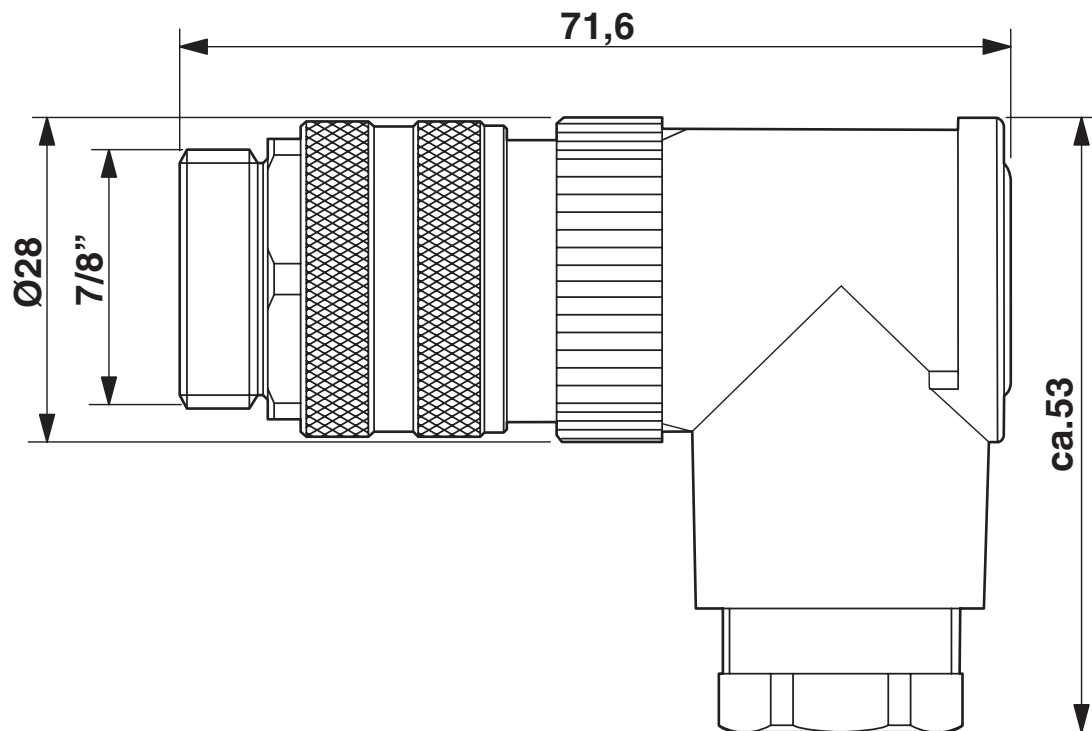


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## Drawings

Dimensional drawing



7/8" plug, angled

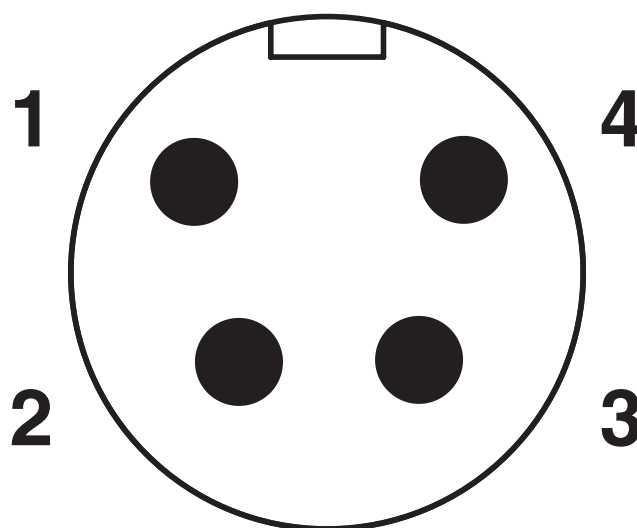
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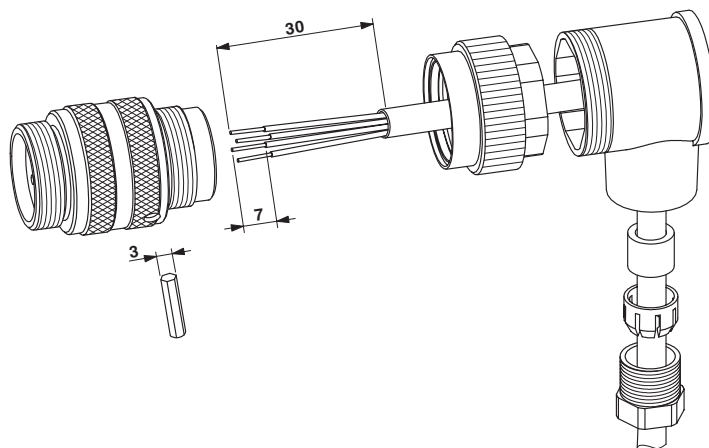


Schematic diagram



Pin assignment, plug, 7/8"-16UNF, 4-pos., view of male side

Functional drawing



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## Approvals

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**EAC**

Approval ID: RU C-DE.BL08.B.00511

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## Classifications

### ECLASS

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

### ETIM

ETIM 8.0	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	76838295-de69-47ac-989f-8964999ca94a