

# SACC-MINFS-3CON-PG13 - Connector



1521313

<https://www.phoenixcontact.com/no/products/1521313>

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Connector, Universal, 3-position, Socket straight 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

## 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	1521313
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	31BBFS
Product key	BF2FAA
Catalog page	Page 25 (C-2-2017)
GTIN	4017918949549
Weight per piece (including packing)	54.12 g
Weight per piece (excluding packing)	47.5 g
Customs tariff number	85366990
Country of origin	DE

## 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

#### Assembly instructions

The wires can be connected both with ferrules and without ferrules

### Product properties

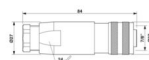
Product type	Circular connector (cable-side)
Sensor type	Universal
Number of positions	3
No. of cable outlets	1
Shielded	no
Coding	A
Cable outlet	straight
Pg screw connection	Pg13,5

#### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Dimensions

#### Dimensional drawing



Width	27 mm
Height	27 mm
Length	84 mm

#### External dimensions

Outside diameter	10 mm ... 12 mm
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#### Housing

Diameter housing	27 mm
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### Material specifications

Flammability rating according to UL 94	HB
Material of grip body	PBT
Contact material	CuZn
Contact surface material	Au

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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 <sup>2</sup> ... 1.5 mm <sup>2</sup> (without ferrule)
	0.34 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (with ferrule)
	0.34 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (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 screw)

## Electrical properties

Rated surge voltage	4 kV
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U <sub>N</sub>	300 V AC
	300 V DC
Nominal current I <sub>N</sub>	12 A

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	≥ 100
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## Connector

### Connection 1

Head design	Socket
Head cable outlet	straight
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

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

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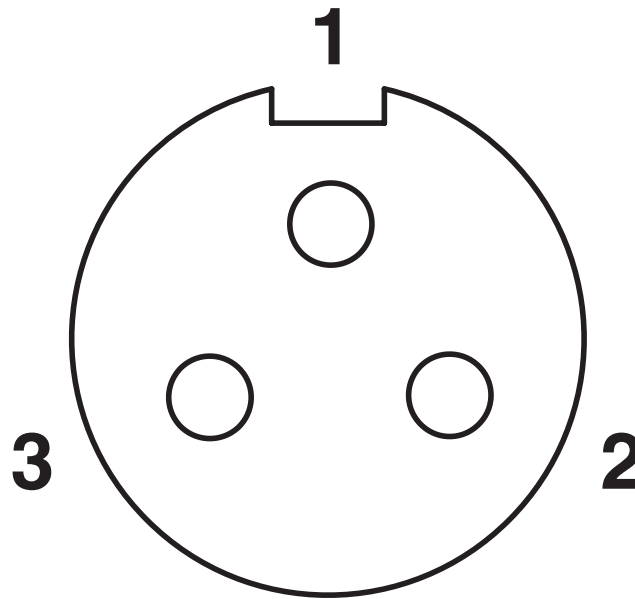


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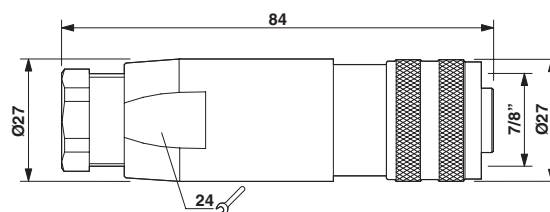
## Drawings

Schematic diagram



Pin assignment, socket, 7/8"-16UNF, 3-pos., view of female side

Dimensional drawing



Socket 7/8"-16UNF, straight, Pg13

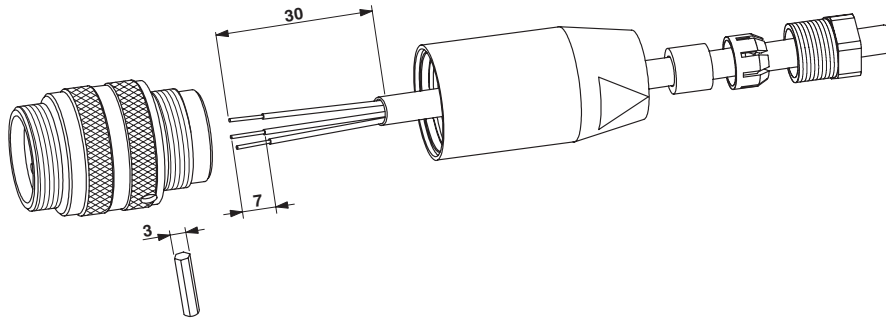
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Functional drawing



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## Approvals

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 <b>cUL Recognized</b> Approval ID: FILE E 221474				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	600 V	12 A	-	-

 <b>UL Recognized</b> Approval ID: FILE E 221474				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	600 V	12 A	-	-

 <b>EAC</b> Approval ID: RU C-DE.BL08.B.00511				
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<b>cULus Recognized</b>				
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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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