PHŒNIX CONTACT

Connector - SACC-MINFS-5CON-PG16 - 1559071

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Connector, 5-position, Socket straight 7/8"-16UNF, Screw connection, Knurl material: Zinc die-cast, nickel-plated, Cable gland Pg16, External cable diameter 12 mm ... 14 mm

Product Features

- Safe use in the field, thanks to a high degree of protection
- Flexible: connectors for on-site assembly
- Screw connection: proven connection technology for a large selection of different conductors

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	60.0 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

External cable diameter	12 mm ... 14 mm
Stripping length of the sheath	30 mm
Stripping length of the individual wire	7 mm

Ambient conditions

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

General

Rated current at 40°C	9 A
Rated voltage	300 V
Number of positions	5
Insulation resistance	$\geq$ 100 MΩ

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Technical data

General

Coding	A - standard
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Screw connection
Conductor cross section	0.34 mm² ... 1.5 mm²
Conductor cross section AWG	22 ... 16
Insertion/withdrawal cycles	≥ 100
Torque	0.8 Nm (7/8" connectors)
	0.4 Nm (Screw terminal blocks)
	1 Nm ... 1.4 Nm (Pressure screw)
Tightening torque	Screw plug insert with sleeve housing as far it will go
Assembly instructions	The wires can be connected both with ferrules and without ferrules

Material

Flammability rating according to UL 94	HB
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PUR / PA66
Material of grip body	PBT
Material, knurls	Zinc die-cast, nickel-plated

Standards and Regulations

Flammability rating according to UL 94	HB

Classifications

eCl@ss

eCl@ss 4.0	27250313
eCl@ss 4.1	27250313
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27279221
eCl@ss 7.0	27440104
eCl@ss 8.0	27440104
eCl@ss 9.0	27440102

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Classifications

ETIM

ETIM 3.0	EC002062
ETIM 4.0	EC002062
ETIM 5.0	EC002062

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approvals submitted

Approval details

EAC

Accessories

Accessories

Protective cap

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Accessories

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

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

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Screwdriver tools

Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600

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

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Tool - SAC BIT MIN-D25 - 1212512

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

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Torque tool

Torque screwdriver - TSD 08 SAC - 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
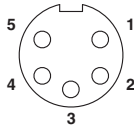

Torque screwdriver - TSD-M 1,2NM - 1212224

Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

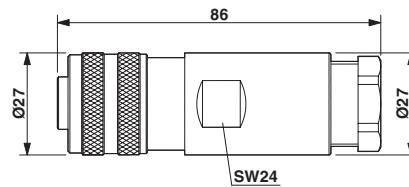# Connector - SACC-MINFS-5CON-PG16 - 1559071
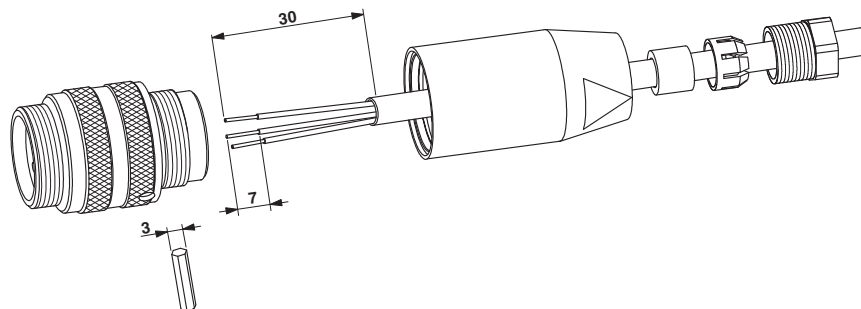
Accessories

Drawings

Schematic diagram

5 **1**
4 **2**
3

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

Dimensional drawing

86

Ø27 Ø27

SW24

Socket 7/8"-16UNF, straight, Pg16

Functional drawing

30

7

3

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