

## 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 | ≥ 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)<br>0.4 Nm (Screw terminal blocks)<br>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

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### Approvals

### EAC

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### Ex Approvals

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### Approvals submitted

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### Approval details

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|-----|
| EAC |
|-----|

## Accessories

### Accessories

### Protective cap

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

### 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

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



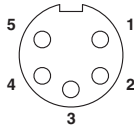
Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

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## Accessories

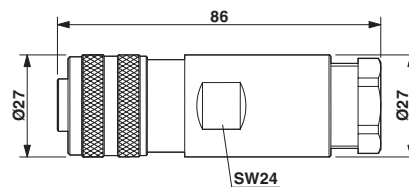
## Drawings

Schematic diagram



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

Dimensional drawing



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

Functional drawing

