

## Connector - SACC-MINMR-3CON-PG 9 - 1521465

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Connector, 3-position, Plug angled 7/8"-16UNF, Screw connection, Knurl material: Zinc die-cast, nickel-plated, Cable gland Pg9, External cable diameter 6 mm ... 8 mm, Contact 1 leading

### 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) | 45.7 g   |
| Custom tariff number                 | 85366990 |
| Country of origin                    | Germany  |

### Technical data

#### Dimensions

|                                         |               |
|-----------------------------------------|---------------|
| External cable diameter                 | 6 mm ... 8 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 | 12 A     |
| Rated voltage         | 300 V    |
| Number of positions   | 3        |
| 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>0.8 Nm ... 1 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<br>The connector pin assignment can be rotated 45° to the cable outlet |

#### 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

|                                        |     |
|----------------------------------------|-----|
| Connection in acc. with standard       | CUL |
| Flammability rating according to UL 94 | HB  |

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27140815 |
| eCl@ss 4.1 | 27140815 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| 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 2.0 | EC001121 |
| 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

UL Recognized / cUL Recognized / EAC / cULus Recognized

#### Ex Approvals

#### Approvals submitted

#### Approval details

|                                                                                                   |
|---------------------------------------------------------------------------------------------------|
| UL Recognized  |
|---------------------------------------------------------------------------------------------------|

|                                                                                                    |
|----------------------------------------------------------------------------------------------------|
| cUL Recognized  |
|----------------------------------------------------------------------------------------------------|

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

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### Approvals

cULus Recognized  US

### Accessories

#### Accessories

##### Protective cap

Sealing cap - PROT-MINFS-PA-CHAIN - 1430912

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



##### 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

Tool - SAC BIT MIN-D25 - 1212512



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

##### 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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### Accessories

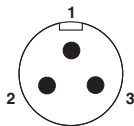
Torque screwdriver - TSD-M 1,2NM - 1212224



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

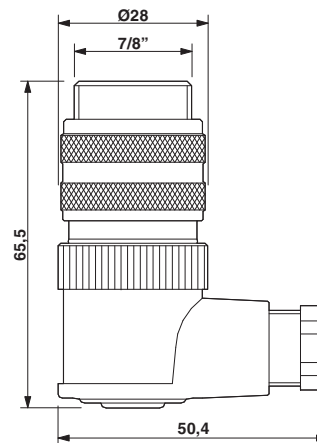
### Drawings

Schematic diagram



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

Dimensional drawing



Male 7/8"-16UNF, angled, Pg9

Functional drawing

