

## Connector - SACC-FSD-4QO SH PN SCO - 1411071

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Connector, PROFINET CAT5 (100 Mbps), 4-position, halogen-free, shielded, Socket straight M12, D-coded, Insulation displacement connection, Knurl material: Zinc die-cast, nickel-plated, External cable diameter 5 mm ... 9.7 mm

### Product Features

- ✓ Safe use in the field, thanks to a high degree of protection
- ✓ Flexible: connectors for on-site assembly
- ✓ Insulation displacement connection: innovative and time-saving assembly without stripping the single wire
- ✓ Reliable signal transmission - 360° shielding in environments with electromagnetic interference
- ✓ Save time, thanks to installation with SPEEDCON fast locking system



### Key Commercial Data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Weight per Piece (excluding packing) | 40.0 g   |
| Custom tariff number                 | 85366990 |
| Country of origin                    | Germany  |

### Technical data

#### Dimensions

|                                |                 |
|--------------------------------|-----------------|
| Wrench size, union nut         | 15 mm           |
| External diameter              | 5 mm ... 9.7 mm |
| Stripping length of the sheath | ≥ 80 mm         |

#### Ambient conditions

|                                |                 |
|--------------------------------|-----------------|
| Ambient temperature (assembly) | -5 °C ... 50 °C |
| Degree of protection           | IP65            |
|                                | IP67            |

#### General

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### Technical data

#### General

|   |  |
|---|--|
| Note  | This product corresponds to the PROFINET Cabling and Interconnection Technology Guideline for PROFINET regulations, version 2.00, order no: 2.252, Chapter 8.2 Connectors for Outside Environment (Balanced cabling) |
| Rated current at 40°C   | 4 A  |
| Rated voltage   | 250 V AC/DC  |
| Number of positions   | 4  |
| Insulation resistance   | ≥ 100 Ω  |
| Coding  | D - data   |
| Standards/regulations   | M12 connector IEC 61076-2-101  |
|   | Shock, vibration EN 50155:2001   |
| Signal type/category  | PROFINET CAT5 (IEC 11801), 100 Mbps  |
| Status display  | No   |
| Overvoltage category  | II   |
| Pollution degree  | 3  |
| Connection method   | Insulation displacement connection   |
| Conductor cross section   | 0.25 mm² ... 0.5 mm²   |
| AWG conductor cross section   | 24 ... 20  |
| Wire diameter including insulation  | 0.75 mm ... 2 mm   |
| Frequency of connections between conductors of the same cross section       | 10   |
| Wire insulation material  | PVC / PE / PP / rubber   |
| Structure of individual litz in acc. with VDE 0295 / smallest wire diameter | Class 2-6  |
| Insertion/withdrawal cycles   | ≥ 100  |
| Torque  | 0.4 Nm (M12 knurl)   |
|   | 5 Nm (Pressure nut)  |

#### Material

|  |   |
|--|---|
| Flammability rating according to UL 94 | V0  |
| Contact material                       | CuSn  |
| Contact surface material               | Ni/Au   |
| Contact carrier material               | PA 6.6  |
| Material of grip body                  | Zinc die-cast, nickel-plated  |
| Material, knurls                       | Zinc die-cast, nickel-plated  |
| Sealing material                       | NBR   |
| Standards/regulations                  | PA 6.6: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3) |

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## Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.1 | 27143423 |
| eCl@ss 6.0 | 27143423 |
| eCl@ss 8.0 | 27440102 |

ETIM

|          |          |
|----------|----------|
| ETIM 5.0 | EC002635 |
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## Approvals

Approvals

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Approvals

EAC

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Ex Approvals

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Approvals submitted

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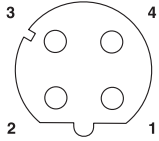
Approval details

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

Drawings

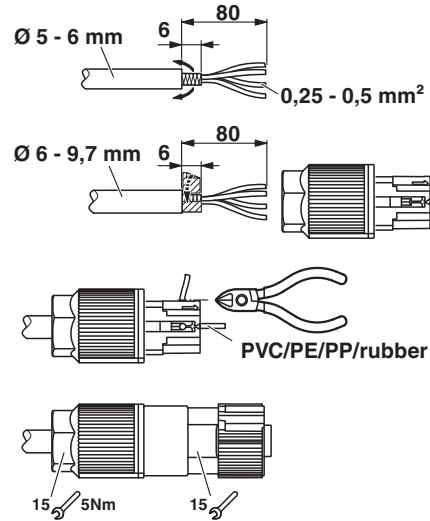
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Schematic diagram

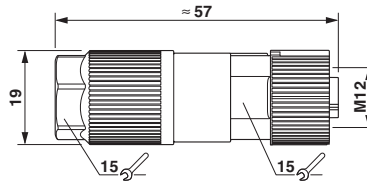


Pin assignment M12 socket, 4-pos., D-coded, female side

Functional drawing



Dimensional drawing



Plug, M12 x 1, straight, shielded