

Sensor/actuator connector - SACC-MS-4QO-0,75 SH SCO - 1413993

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Sensor/actuator connector, 4-position, halogen-free, shielded, Plug straight M12 SPEEDCON, A-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

| | |
|---|------------------------------------|
| Rated current at 40°C | 4 A |
| Rated voltage | 250 V AC/DC |
| Number of positions | 4 |
| Insulation resistance | ≥ 100 MΩ |
| Coding | A - standard |
| Standards/regulations | M12 connector IEC 61076-2-101 |
| | Shock, vibration EN 50155:2001 |
| Status display | No |
| Overvoltage category | II |
| Pollution degree | 3 |
| Connection method | Insulation displacement connection |
| Conductor cross section | 0.14 mm² ... 0.75 mm² (stranded) |
| | 0.14 mm² ... 0.5 mm² (solid) |
| AWG conductor cross section | 26 ... 18 (stranded) |
| | 26 ... 20 (solid) |
| 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) |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 5.1 | 27143423 |
|------------|----------|

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 6.0 | 27279221 |
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ETIM

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| ETIM 5.0 | EC002635 |
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Approvals

Approvals

Approvals

EAC

Ex Approvals

Approvals submitted

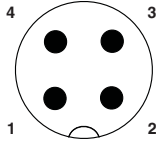
Approval details

| |
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| EAC |
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Drawings

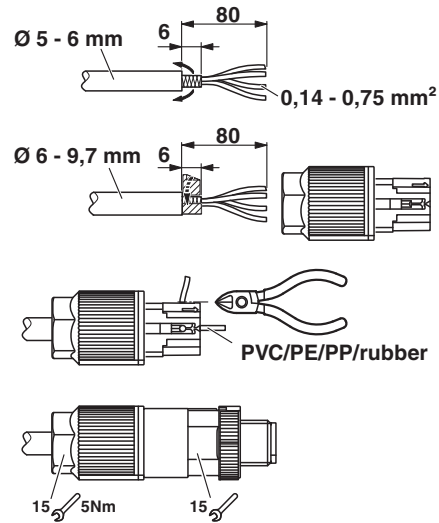
Sensor/actuator connector - SACC-MS-4QO-0,75 SH SCO - 1413993

Schematic diagram

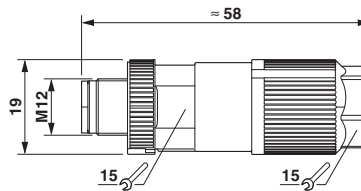


Pin assignment M12 male connector, 4-pos., A-coded, male side

Functional drawing



Dimensional drawing



Plug, M12 x 1, straight, shielded