

Bus system connector - SACC-M12MSD-4Q SH PN - 1554513

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Bus system connector, PROFINET CAT5 (100 Mbps), 4-position, shielded, Plug straight M12, D-coded, Insulation displacement connection, Knurl material: Nickel-plated brass, External cable diameter 4 mm ... 8 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



Key commercial data

| | |
|--------------------------------------|-----------|
| Packing unit | 1 pc |
| Weight per Piece (excluding packing) | 45.38 GRM |
| Custom tariff number | 85366990 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|--------------------------------|---------------|
| External diameter | 4 mm ... 8 mm |
| Stripping length of the sheath | 35 mm |

Ambient conditions

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|---------------------------------|------------------|
| Ambient temperature (operation) | -40 °C ... 85 °C |
| Degree of protection | IP67 |

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 | 1.75 A |

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Technical data

General

| | |
|---|---|
| Rated voltage | 60 V DC |
| | 48 V AC |
| Number of positions | 4 |
| Contact resistance | ≤ 5 mΩ |
| Insulation resistance | ≥ 100 MΩ |
| Coding | D - data |
| Standards/regulations | M12 connector IEC 61076-2-101 |
| Signal type/category | PROFINET CAT5 (IEC 11801), 100 Mbps |
| Status display | No |
| Surge voltage category | II |
| Pollution degree | 3 |
| Connection method | Insulation displacement connection |
| Conductor cross section | 0.14 mm ² ... 0.34 mm ² |
| AWG conductor cross section | 26 ... 22 |
| Wire diameter incl. insulation | ≤ 1.6 mm |
| Frequency of connections between conductors of the same cross section | ≤ 10 |
| Insertion/withdrawal cycles | ≥ 100 |
| Torque | 0.4 Nm (M12 knurl) |
| | 0.8 Nm (Connector with coupling sleeve) |
| | 3 Nm (Pressure nut with coupling sleeve) |

Material

| | |
|---|------------------------------|
| Inflammability class according to UL 94 | V0 |
| Contact material | CuSn |
| Contact surface material | Ni/Au |
| Contact carrier material | PA 66 |
| Material of grip body | Zinc die-cast, nickel-plated |
| Material, knurls | Nickel-plated brass |
| Sealing material | Neoprene |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27060306 |
| eCl@ss 4.1 | 27060306 |
| eCl@ss 5.0 | 27061801 |
| eCl@ss 5.1 | 27061801 |
| eCl@ss 6.0 | 27061801 |

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 7.0 | 27061801 |
| eCl@ss 8.0 | 27061801 |

ETIM

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|----------|----------|
| 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

GOST

Ex Approvals

Approvals submitted

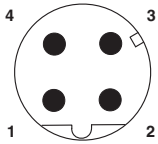
Approval details

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| GOST  |
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Drawings

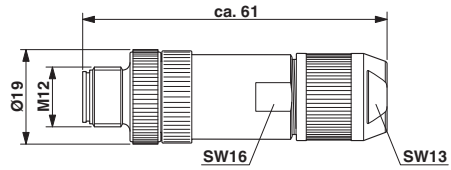
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Schematic diagram



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

Dimensioned drawing



Plug, M12 x 1, straight, shielded