

Connector - SACC-M12FS-5CON-DM 3-5 SH VA - 1440038

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Connector, 5-position, shielded, Socket straight M12, A-coded, Screw connection, Knurl material: Stainless steel, Cable gland M16, External cable diameter 3 mm ... 5.5 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
- Reliable signal transmission - 360° shielding in environments with electromagnetic interference



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 | 3 mm ... 5.5 mm |
| Stripping length of the sheath | 35 mm |
| Stripping length of the individual wire | 5 mm |

Ambient conditions

| | |
|---------------------------------|------------------|
| Ambient temperature (operation) | -40 °C ... 85 °C |
| Degree of protection | IP65 |
| | IP67 |
| | IP69K |

General

| | |
|-----------------------|-----|
| Rated current at 40°C | 4 A |
|-----------------------|-----|

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Technical data

General

| | |
|-----------------------------|--|
| Rated voltage | 60 V DC |
| | 48 V AC |
| Number of positions | 5 |
| Insulation resistance | ≥ 100 MΩ |
| Coding | A - standard |
| Standards/regulations | M12 connector IEC 61076-2-101 |
| Status display | No |
| Overvoltage category | II |
| Degree of pollution | 3 |
| Connection method | Screw connection |
| Conductor cross section | 0.25 mm ² ... 0.75 mm ² |
| Conductor cross section AWG | 24 ... 18 |
| Insertion/withdrawal cycles | ≥ 100 |
| Torque | 0.4 Nm (M12 knurl) |
| | 0.2 Nm (Screw terminal blocks) |
| | 0.3 Nm ... 0.4 Nm (Pressure nut with sleeve housing with 3 mm ... 4 mm external cable diameter) |
| | 0.8 Nm ... 1 Nm (Pressure nut with sleeve housing with 4 mm ... 8 mm external cable diameter) |
| 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 | V0 |
| Contact material | CuZn |
| Contact surface material | Au |
| Contact carrier material | PA |
| Material of grip body | Stainless steel |
| Material, knurls | Stainless steel |
| Sealing material | FKM |

Standards and Regulations

| | |
|--|-----------------|
| Standard designation | M12 connector |
| Standards/regulations | IEC 61076-2-101 |
| Connection in acc. with standard | CUL |
| Flammability rating according to UL 94 | V0 |

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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 | 27143423 |
| eCl@ss 7.0 | 27449001 |
| eCl@ss 8.0 | 27440104 |
| eCl@ss 9.0 | 27440102 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC002061 |
| 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 / EAC

Ex Approvals

Approvals submitted

Approval details

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Approvals

UL Recognized

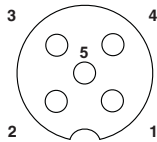
cUL Recognized

EAC

EAC

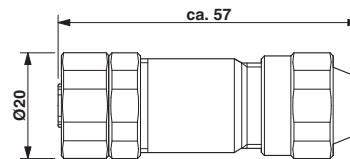
Drawings

Schematic diagram



Pin assignment M12 socket, 5-pos., A-coded, socket side view

Dimensional drawing



M12 x 1 socket, straight, shielded

Mouser Electronics

Authorized Distributor

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