

Connector - SACC-M12FS-4PL SH - 1424668

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Connector, Universal, 4-position, shielded, Socket straight M12, A-coded, Push-in connection, knurl material: Zinc die-cast, nickel-plated, external cable diameter 4 mm ... 8 mm

Your advantages

- ✓ Easy and tool-free connection by means of Push-in Technology
- ✓ Conveniently connect stranded conductors, thanks to lever
- ✓ Reliable and quick connection of electric cables
- ✓ Flexible signal and data cabling
- ✓ Easy and tool-free connection by means of Push-in Technology
- ✓ Quick and easy installation, thanks to Push-in connection technology

Key Commercial Data

| | |
|--------------|---------------|
| Packing unit | 1 pc |
| GTIN | |
| GTIN | 4055626375953 |

Technical data

Dimensions

| | |
|---|---------------|
| Diameter housing | 19 mm |
| Length | 59 mm |
| External cable diameter | 4 mm ... 8 mm |
| Stripping length of the sheath | 29 mm |
| Stripping length of the individual wire | 7 mm |

Ambient conditions

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

General

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Technical data

General

| | |
|-----------------------------|---|
| Note | NOTE: Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending forces are too high. Alleviate mechanical loads upstream of the connector, e.g. by using cable ties. |
| Rated current at 40°C | 4 A (2 A when using 0.14 mm ² conductors) |
| Rated voltage | 48 V AC 60 V 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 |
| Signal type/category | Universal |
| Status display | No |
| Overvoltage category | II |
| Degree of pollution | 3 |
| Connection method | Push-in connection |
| Conductor cross section | 0.14 mm ² ... 0.75 mm ² (without ferrule) 0.08 mm ² ... 0.5 mm ² (with ferrule) 0.14 mm ² ... 0.75 mm ² (solid) |
| Conductor cross section AWG | 26 ... 18 (without ferrule) 28 ... 20 (with ferrule) |
| Insertion/withdrawal cycles | ≥ 100 (Quantity: 500 with Phoenix Contact mating connector) |
| Torque | 0.4 Nm (M12 knurl) 0.8 Nm (Connector with coupling sleeve) 3 Nm (Pressure nut with coupling sleeve) |
| Assembly instructions | The wires can be connected both with ferrules and without ferrules |

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 |
| Additional material specifications | TPE-U (Clamping cage, weight: 1.1 g) PA 6 (Actuation lever) |
| Standards/regulations | PA 6.6: Fire protection in rail vehicles - requirement sets R22, R23, R24, R25, and R26 acc. to DIN EN 45545-2 (Risk level HL1 - HL3) PA 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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Standards and Regulations

| | |
|--|------------------|
| Standard designation | M12 connector |
| Standards/regulations | IEC 61076-2-101 |
| Standard designation | Shock, vibration |
| Standards/regulations | EN 50155:2001 |
| Flammability rating according to UL 94 | V0 |

Environmental Product Compliance

| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

Approvals


Approvals


Approvals


EAC / UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approval details

| | | |
|-----|---|--------------------------|
| EAC |  | RU C- DE.AI30.B.01102 |
|-----|---|--------------------------|

| | | | |
|----------------------------|---|---|---------|
| UL Listed |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E221474 |
| Nominal voltage UN | 60 V | | |
| Nominal current IN | 4 A | | |
| mm ² /AWG/kcmil | 26-18 | | |

| | | | |
|----------------------------|---|---|---------|
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Approvals

cULus Listed



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