

Connector - SACC-M 8MS-4CON-M-SH - 1506914

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Connector, 4-position, shielded, Plug straight M8, A-coded, Solder connection, Knurl material: Nickel-plated brass, External cable diameter 3.5 mm ... 5 mm

Why buy this product

- Safe use in the field, thanks to a high degree of protection
- Flexible: connectors for on-site assembly
- Reliable signal transmission - 360° shielding in environments with electromagnetic interference



Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 017918 881184 |
| Weight per Piece (excluding packing) | 20.2 g |
| Custom tariff number | 85366990 |
| Country of origin | Germany |
| Product key | BF2BJA |

Technical data

Dimensions

| | |
|---|-----------------|
| External cable diameter | 3.5 mm ... 5 mm |
| Stripping length of the sheath | 21 mm |
| Stripping length of the individual wire | 3 mm |

Ambient conditions

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

General

| | |
|-----------------------|------|
| Rated current at 40°C | 4 A |
| Rated voltage | 30 V |
| Number of positions | 4 |

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Technical data

General

| | |
|-----------------------------|---|
| Insulation resistance | ≥ 100 MΩ |
| Coding | A - standard |
| Standards/regulations | M8 connector IEC 61076-2-104 |
| Status display | No |
| Overvoltage category | II |
| Degree of pollution | 3 |
| Connection method | Solder connection |
| Conductor cross section | 0.08 mm ² ... 0.34 mm ² |
| Conductor cross section AWG | 28 ... 22 |
| Insertion/withdrawal cycles | ≥ 100 |
| Torque | 0.2 Nm (M8 knurl) |

Material

| | |
|--|---------------------|
| Flammability rating according to UL 94 | HB |
| Contact material | CuZn |
| Contact surface material | Au |
| Contact carrier material | PA |
| Material of grip body | Nickel-plated brass |
| Material, knurls | Nickel-plated brass |
| Sealing material | NBR |

Standards and Regulations

| | |
|--|-----------------|
| Standard designation | M8 connector |
| Standards/regulations | IEC 61076-2-104 |
| Flammability rating according to UL 94 | HB |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27140815 |
| eCl@ss 4.1 | 27140815 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27279221 |
| eCl@ss 7.0 | 27440104 |
| eCl@ss 8.0 | 27440104 |
| eCl@ss 9.0 | 27440102 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC001121 |
| ETIM 3.0 | EC002062 |
| ETIM 4.0 | EC002062 |

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Classifications

ETIM

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

EAC / EAC / UL Recognized / cUL Recognized

Ex Approvals

Approvals submitted

Approval details

| |
|-----|
| EAC |
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| EAC |
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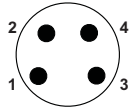
| | |
|--------------------|------|
| UL Recognized | |
| Nominal current IN | 4 A |
| Nominal voltage UN | 30 V |

| | |
|--------------------|------|
| cUL Recognized | |
| Nominal current IN | 4 A |
| Nominal voltage UN | 30 V |

Drawings

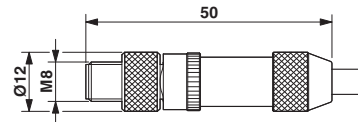
Connector - SACC-M 8MS-4CON-M-SH - 1506914

Schematic diagram



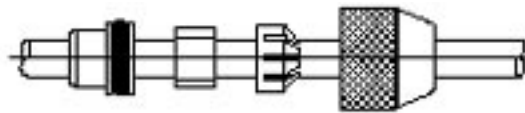
Pin assignment M8 plug, 4-pos., view male side

Dimensional drawing

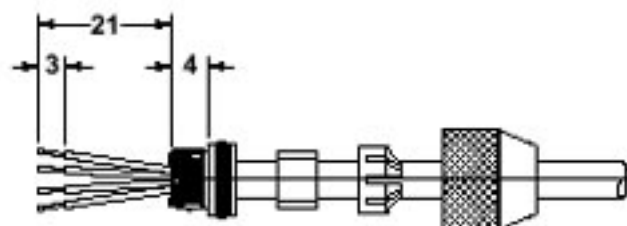


Plug M8 x 1, straight, shielded

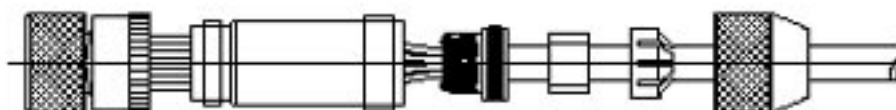
Functional drawing



Slide parts onto the conductor



Strip conductor, widen shield and lay around the shielding ring, cut off projecting mesh.

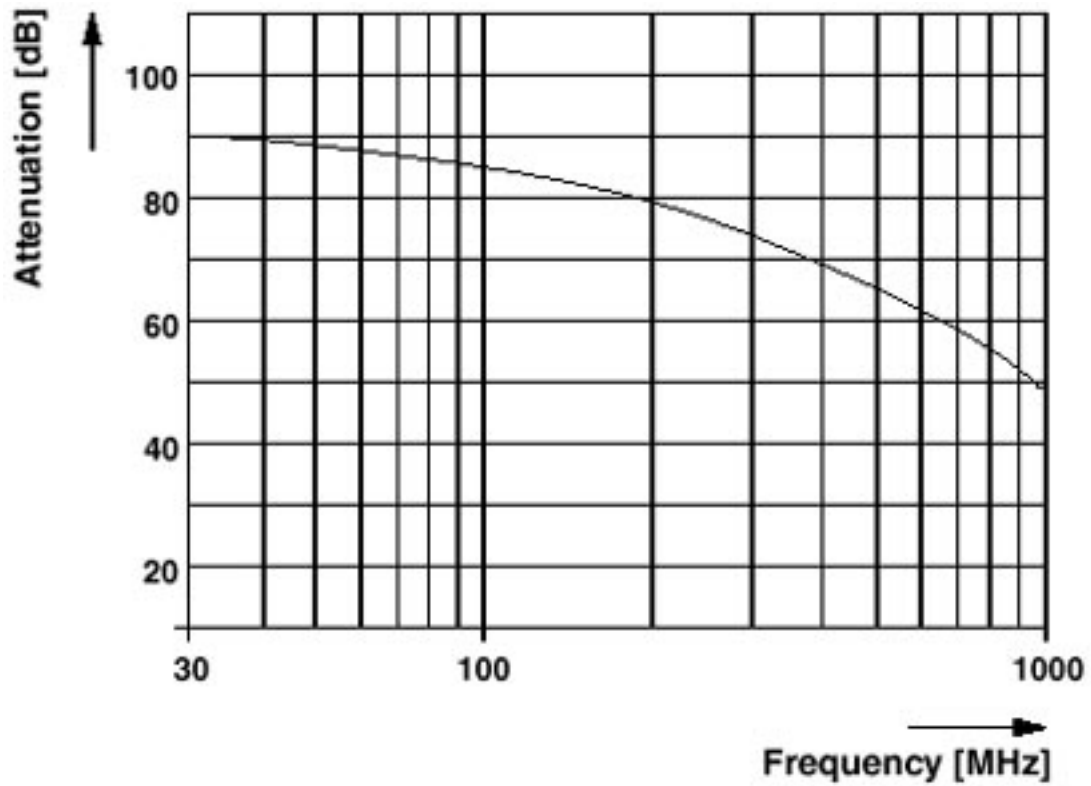


Slide cores through the housing, mount shielding ring, gasket and clamping cage. Tighten pressure screw to fix the cable. Solder on cores, mount male/female connector part and tighten pressure screw.

Assembly steps for M8 male/female plug and conductor

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Diagram



Attenuation curve of the SACC... male/female connectors