

## 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

### Product Features

- ✓ 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
Weight per Piece (excluding packing)	20.0 g
Custom tariff number	85366990
Country of origin	Germany

### 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
Insulation resistance	≥ 100 MΩ

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## Technical data

### General

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 <sup>2</sup> ... 0.34 mm <sup>2</sup>
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

Order No.	1506914
Product key	BF2BJA
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

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## Classifications

### ETIM

ETIM 2.0	EC001121
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

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#### Approvals

EAC / EAC / UL Recognized / cUL Recognized

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#### Ex Approvals

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#### Approvals submitted

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## Approval details

EAC
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EAC
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UL Recognized	
Nominal current I <sub>N</sub>	4 A
Nominal voltage U <sub>N</sub>	30 V

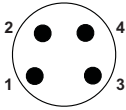
# Connector - SACC-M 8MS-4CON-M-SH - 1506914

## Approvals

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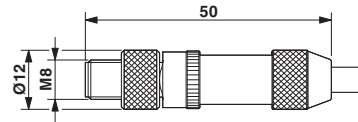
## Drawings

Schematic diagram



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

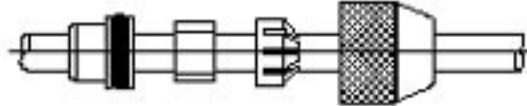
Dimensional drawing



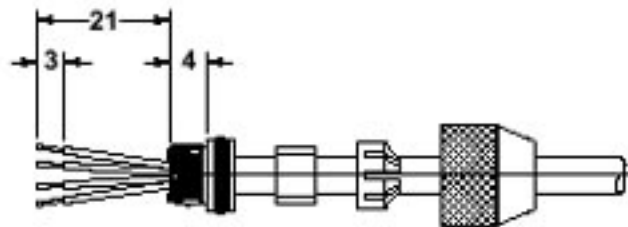
Plug M8 x 1, straight, shielded

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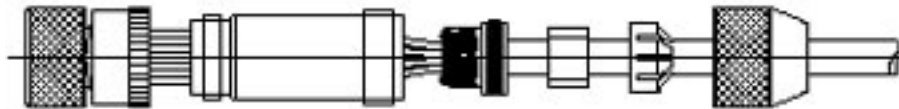
Functional drawing



**Slide parts onto the conductor**



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

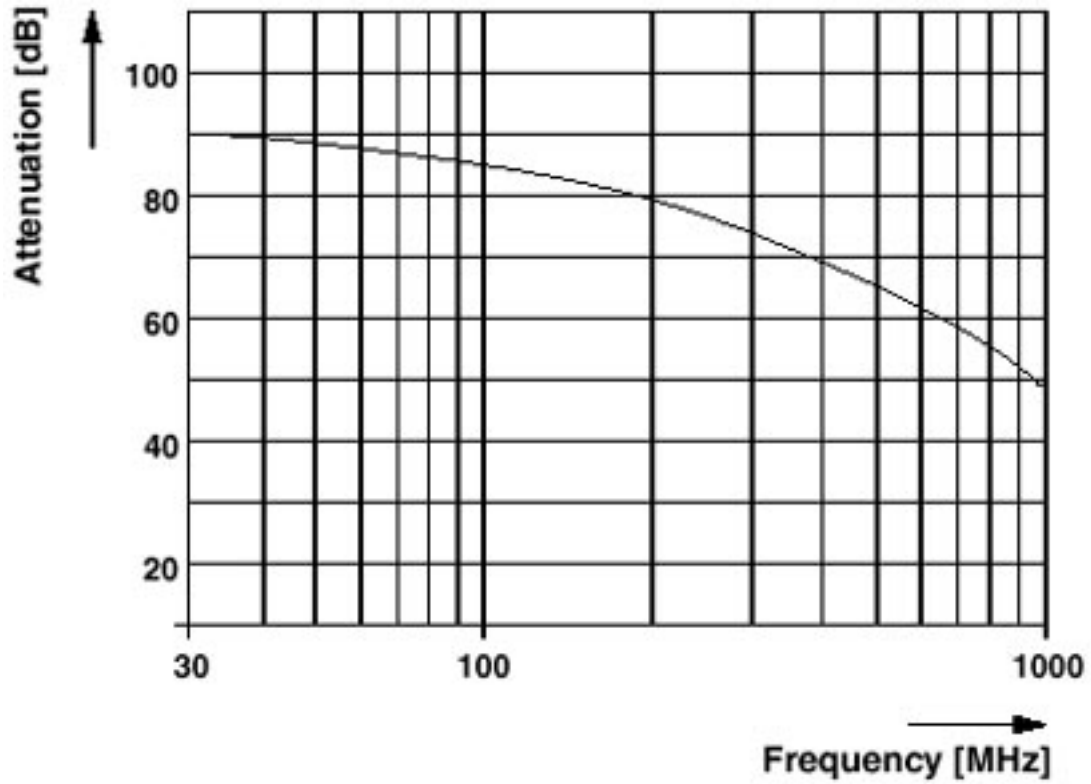


**Slide cores through the housing, mount shielding ring, gasket and clamping cage. Tighten pressure screw to fix the cable. Solder on cores, mount male/female connector part and tighten pressure screw.**

Assembly steps for M8 male/female plug and conductor

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Diagram



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