

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

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Sensor/actuator connector, male, straight, 4-pos., M8, shielded, solder connection, metal knurl, cable diameter max. 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

<b>package_quantity</b>	1
<b>GTIN</b>	4017918881184

## Technical data

### Dimensions

<b>External diameter</b>	3.5 mm ... 5 mm
<b>Stripping length of the sheath</b>	21 mm
<b>Stripping length of the individual wire</b>	3 mm

### Ambient conditions

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

### General

<b>Rated current at 40°C</b>	4 A
<b>Rated voltage</b>	30 V
<b>Number of positions</b>	4
<b>Contact resistance</b>	≤ 3 mΩ
<b>Insulation resistance</b>	≥ 100 MΩ
<b>Coding</b>	A - standard
<b>Standards/regulations</b>	M8 connector IEC 61076-2-104
<b>Status display</b>	No
<b>Surge voltage category</b>	II
<b>Pollution degree</b>	3
<b>Connection method</b>	Solder connection
<b>Conductor cross section</b>	0.08 mm <sup>2</sup> ... 0.34 mm <sup>2</sup>
<b>AWG conductor cross section</b>	28 ... 22

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## Technical data

### General

Insertion/withdrawal cycles	≥ 100
Torque	0.2 Nm (M8 knurl)

### Material

Inflammability class according to UL 94	HB
Contact material	CuSn
Contact surface material	Au
Contact carrier material	PUR / PA66
Material of grip body	Nickel-plated brass
Material, knurls	Nickel-plated brass
Sealing material	NBR

## 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

### 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

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GOST / GOST /

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### Approval details

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

approvals



accessories

## Torque tool

TSD 02 SAC - 1208487



TSD-M 1,2NM - 1212224



## Screwdriver tools

SACC BIT M8-D12 - 1208474



TSD-M SAC-BIT ADAPTER - 1212600



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accessories

### Protective cap

PROT-M 8 FS-PA-CHAIN - 1430857



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### Cable by the meter

SAC-4P-100,0-PUR/SH-0,25 - 1535794

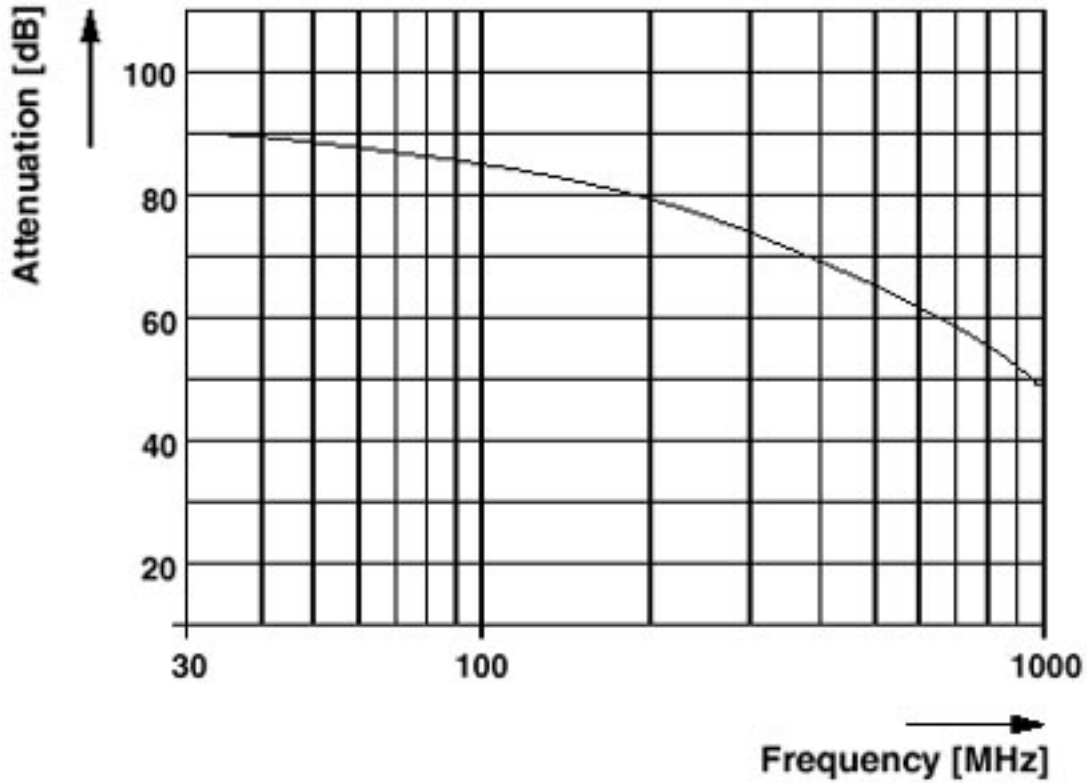


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### Drawings

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

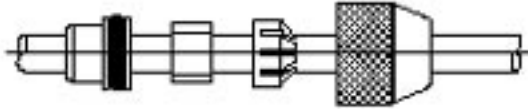
Diagram



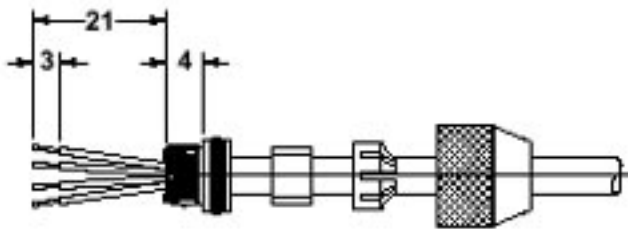
**Attenuation curve of the SACC... male/female connectors**

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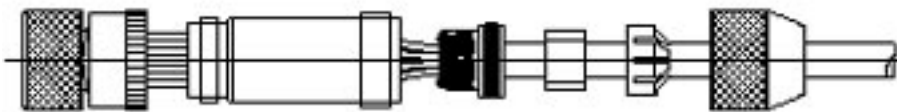
Functional drawing



**Slide parts onto the conductor**



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

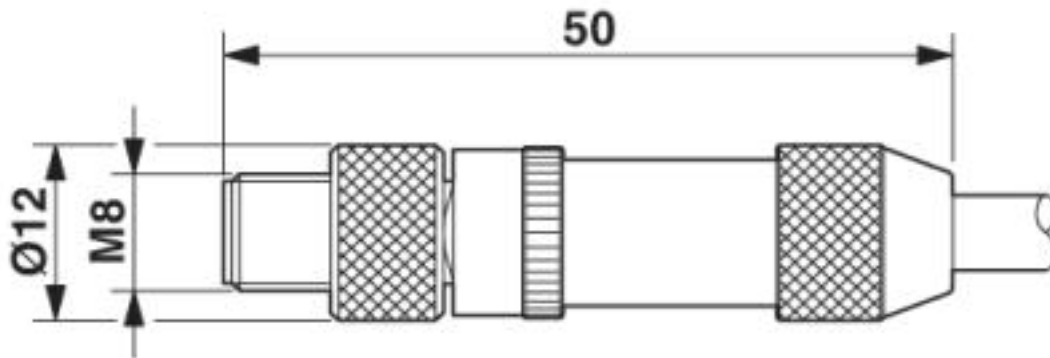


**Slide cores through the housing, mount shielding ring, gasket and clamping cage. Tighten pressure screw to fix the cable. Solder on cores, mount male/female connector part and tighten pressure screw.**

Assembly steps for M8 male/female plug and conductor

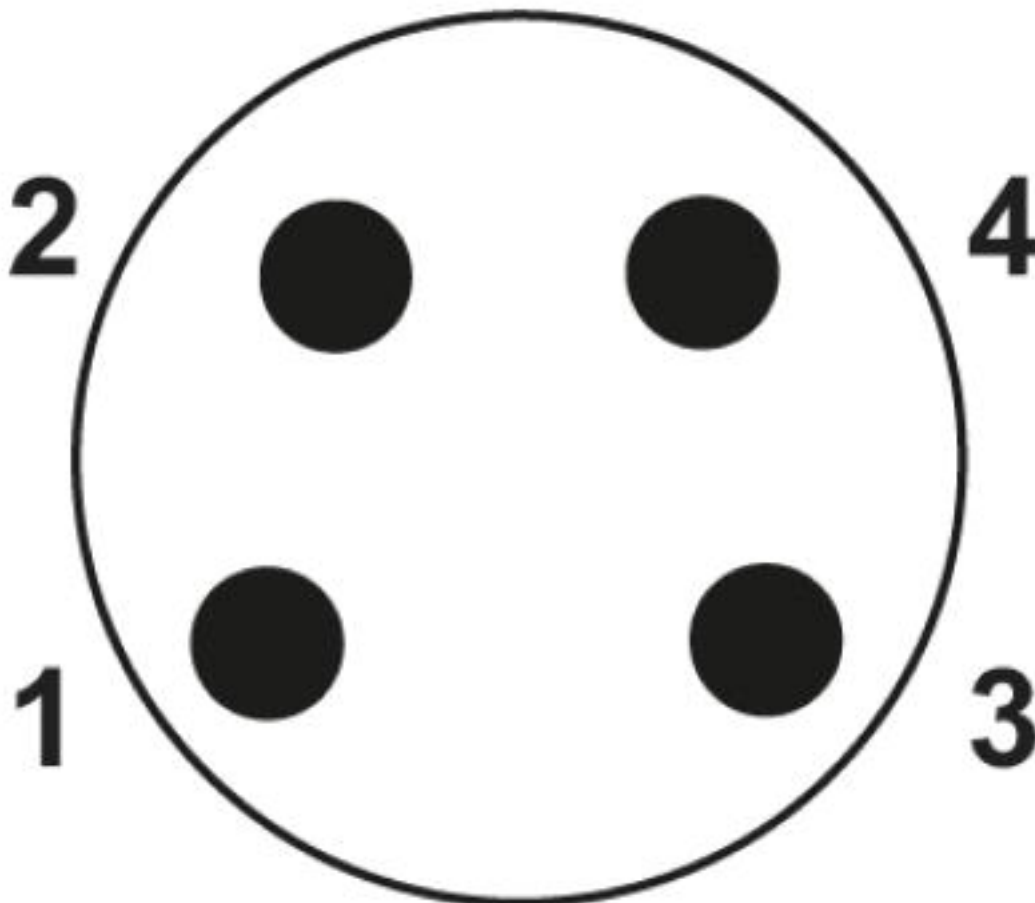
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Dimensioned drawing



Plug M8 x 1, straight, shielded

Schematic diagram



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