

Connector - SACC-M 8FS-4CON-M-SH - 1506930

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



Sensor/actuator connector, female, 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

package_quantity	1
GTIN	4017918881160

Technical data

Dimensions

External 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
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M8 connector IEC 61076-2-104
Status display	No
Surge voltage category	II
Pollution degree	3
Connection method	Solder connection
Conductor cross section	0.08 mm² ... 0.25 mm²
AWG conductor cross section	28 ... 22

Connector - SACC-M 8FS-4CON-M-SH - 1506930

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

GOST / GOST /

Approval details

Connector - SACC-M 8FS-4CON-M-SH - 1506930

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



Connector - SACC-M 8FS-4CON-M-SH - 1506930

accessories

Protective cap

PROT-M 8 MS-PA-CHAIN - 1430860



Cable by the meter

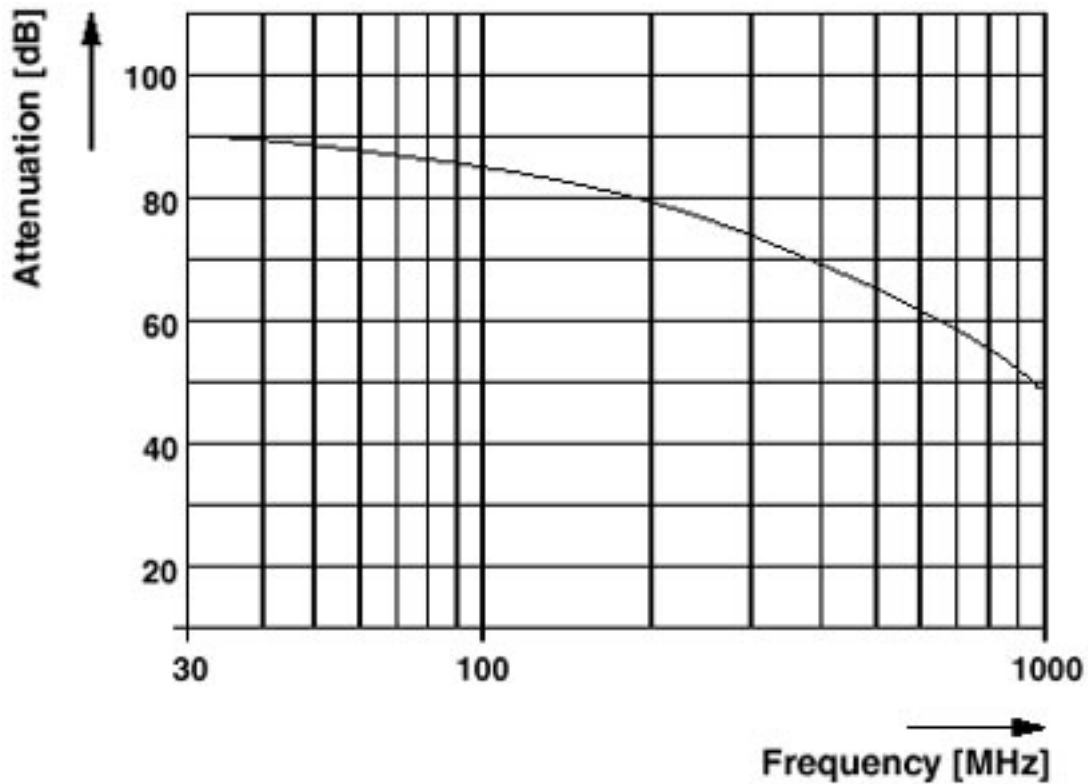
SAC-4P-100,0-PUR/SH-0,25 - 1535794



Drawings

Connector - SACC-M 8FS-4CON-M-SH - 1506930

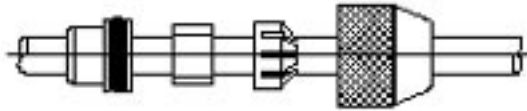
Diagram



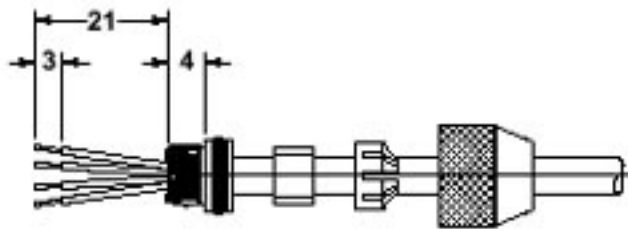
Attenuation curve of the SACC... male/female connectors

Connector - SACC-M 8FS-4CON-M-SH - 1506930

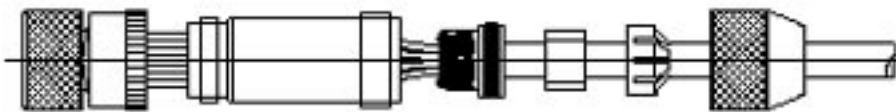
Functional drawing



Slide parts onto the conductor



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

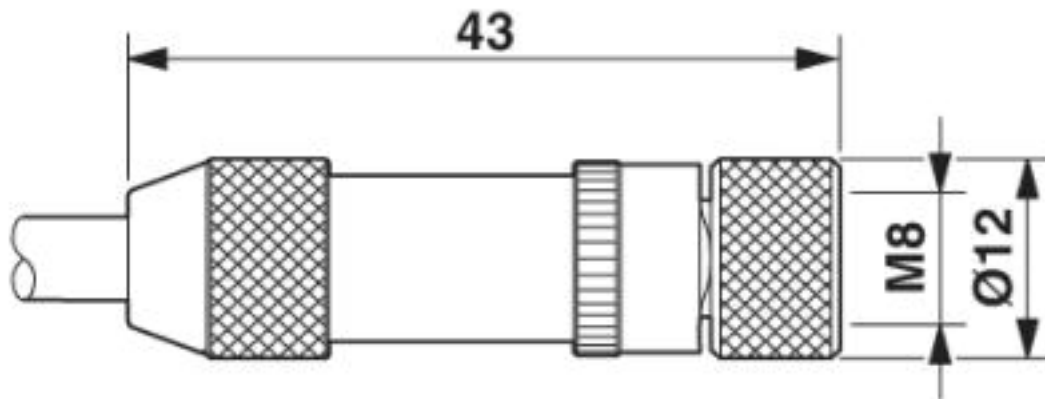


Slide cores through the housing, mount shielding ring, gasket and clamping cage. Tighten pressure screw to fix the cable. Solder on cores, mount male/female connector part and tighten pressure screw.

Assembly steps for M8 male/female plug and conductor

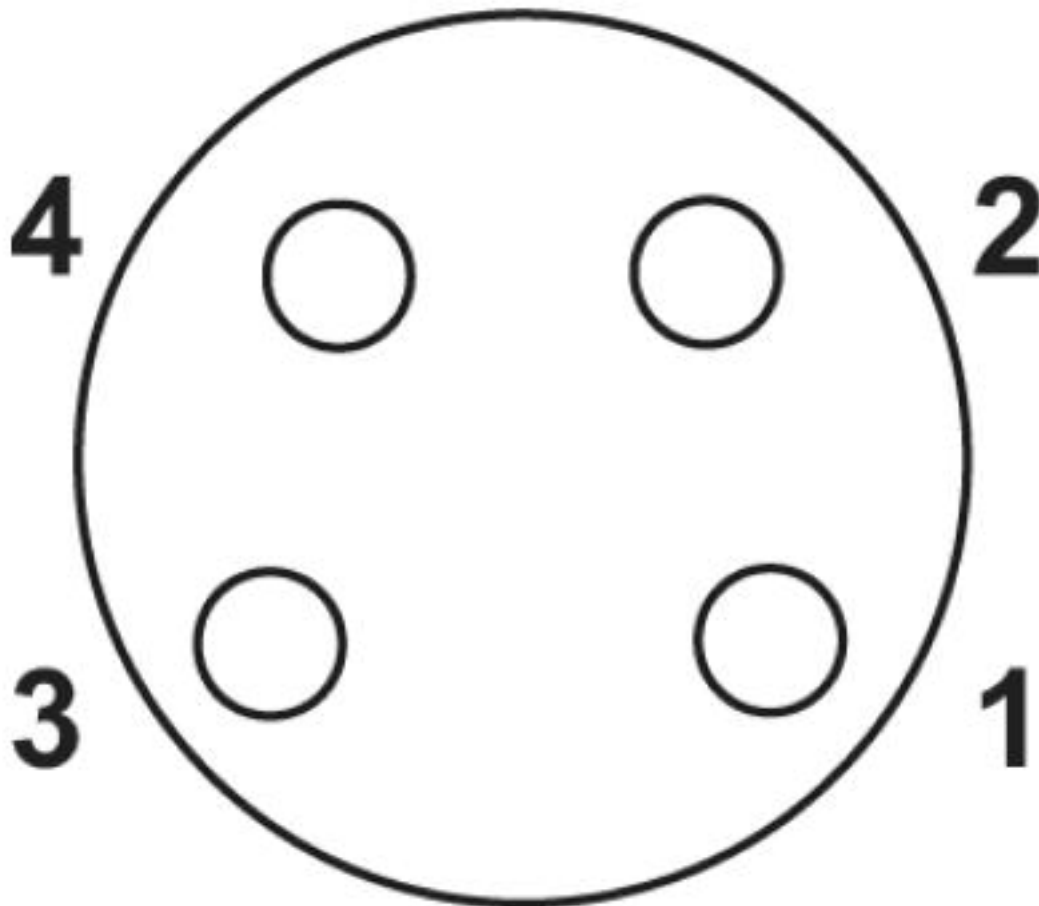
Connector - SACC-M 8FS-4CON-M-SH - 1506930

Dimensioned drawing



Socket M8 x 1, straight, shielded

Schematic diagram



Pin assignment M8 socket, 4-pos., view female side

