

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://phoenixcontact.com/download>)



Connector, 4-position, shielded, Socket 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

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 881160
GTIN	4017918881160
Weight per Piece (excluding packing)	18.000 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

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

Technical data

General

Number of positions	4
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 ... 0.25 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

Cable

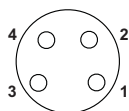
Standards/specifications	M8 connector IEC 61076-2-104
--------------------------	------------------------------

Standards and Regulations

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

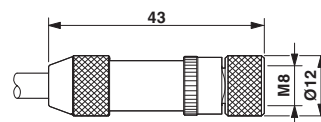
Drawings

Schematic diagram



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

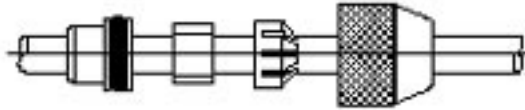
Dimensional drawing



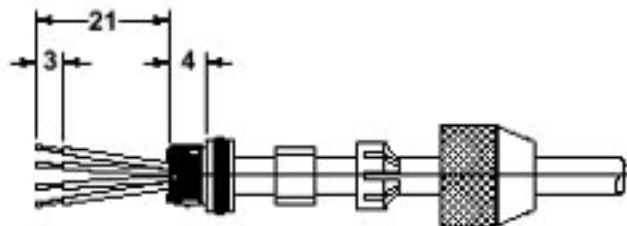
Socket M8 x 1, straight, shielded

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

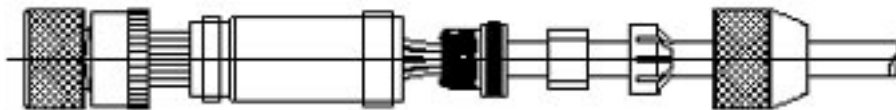
Functional drawing



Slide parts onto the conductor



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

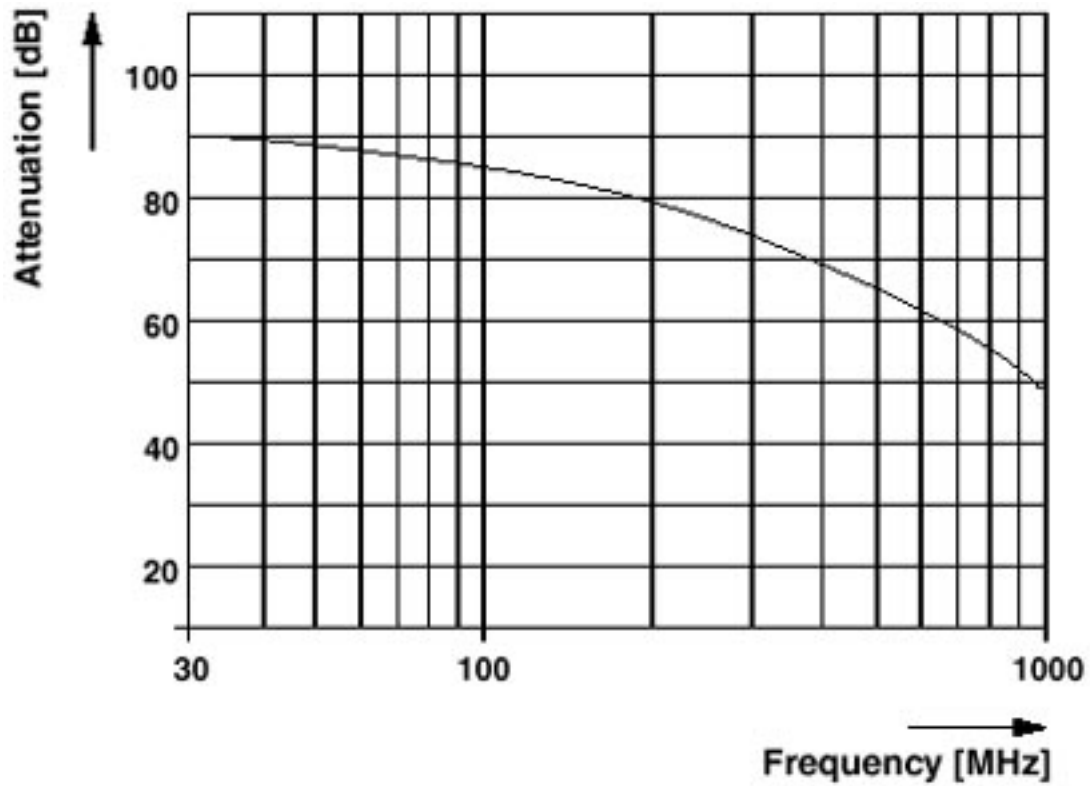


Slide cores through the housing, mount shielding ring, gasket and clamping cage. Tighten pressure screw to fix the cable. Solder on cores, mount male/female connector part and tighten pressure screw.

Assembly steps for M8 male/female plug and conductor

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

Diagram



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

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
ETIM 5.0	EC002062
ETIM 6.0	EC002062

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

Classifications

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	39121413

Approvals


Approvals


Approvals


EAC / EAC / UL Recognized / cUL Recognized / cULus Recognized


Ex Approvals

Approval details

EAC		7500651.22.01.00246
-----	---	---------------------

EAC		EAC-Zulassung
-----	---	---------------

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 221474
Nominal current IN	4 A		
Nominal voltage UN	30 V		

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 221474
Nominal current IN	4 A		
Nominal voltage UN	30 V		

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

Approvals

cULus Recognized



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

Accessories

Accessories

Cable by the meter

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



Cable ring, black halogen-free PUR, 4-pos., shielded, 4 x 0.25 mm², conductor colors: brown/white/blue/black, cable length: 100 m

Protective cap

Screw plug - PROT-M 8 MS-PA-CHAIN - 1430860

M8 sealing cap made of plastic with fixing band for sensor cables, for M8 sockets



Screwdriver tools

Tool - SACC BIT M8-D12 - 1208474



Nut for assembling M8 connectors with longitudinal knurl and a knurl diameter of 12 mm, for 4 mm hexagonal drive

Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600



Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

Torque tool

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

Accessories

Torque screwdriver - TSD 02 SAC - 1208487



Torque screwdriver, with preset torque of 0.2 Nm and 4 mm hexagonal drive for M8 connectors

Torque screwdriver - TSD-M 1,2NM - 1212224



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm
