PHŒNIX CONTACT

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

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, Universal, 4-position, shielded, Plug straight M8, Coding: A, Solder connection, knurl material: Nickel-plated brass, external cable diameter 3.5 mm ... 5 mm

Your advantages

☑ 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 pc
GTIN	4 017918 881184
GTIN	4017918881184
Weight per Piece (excluding packing)	19.720 g
Weight per piece (including packing)	20.200 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Diameter housing	12 mm
Length	50 mm
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

PHŒNIX CONTACT

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

Technical data

General

Note	NOTE: Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending forces are too high. Alleviate mechanical loads upstream of the connector, e.g. by using cable ties.
Rated current at 40°C	4 A
Rated voltage	30 V AC
	30 V DC
Number of positions	4
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M8 connector IEC 61076-2-104
Signal type/category	Universal
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Solder connection
Conductor cross section	0.08 mm² ... 0.25 mm² (flexible)
	0.08 mm² ... 0.25 mm² (solid)
Conductor cross section AWG	28 ... 24 (flexible)
	28 ... 24 (solid)
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

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

Environmental Product Compliance

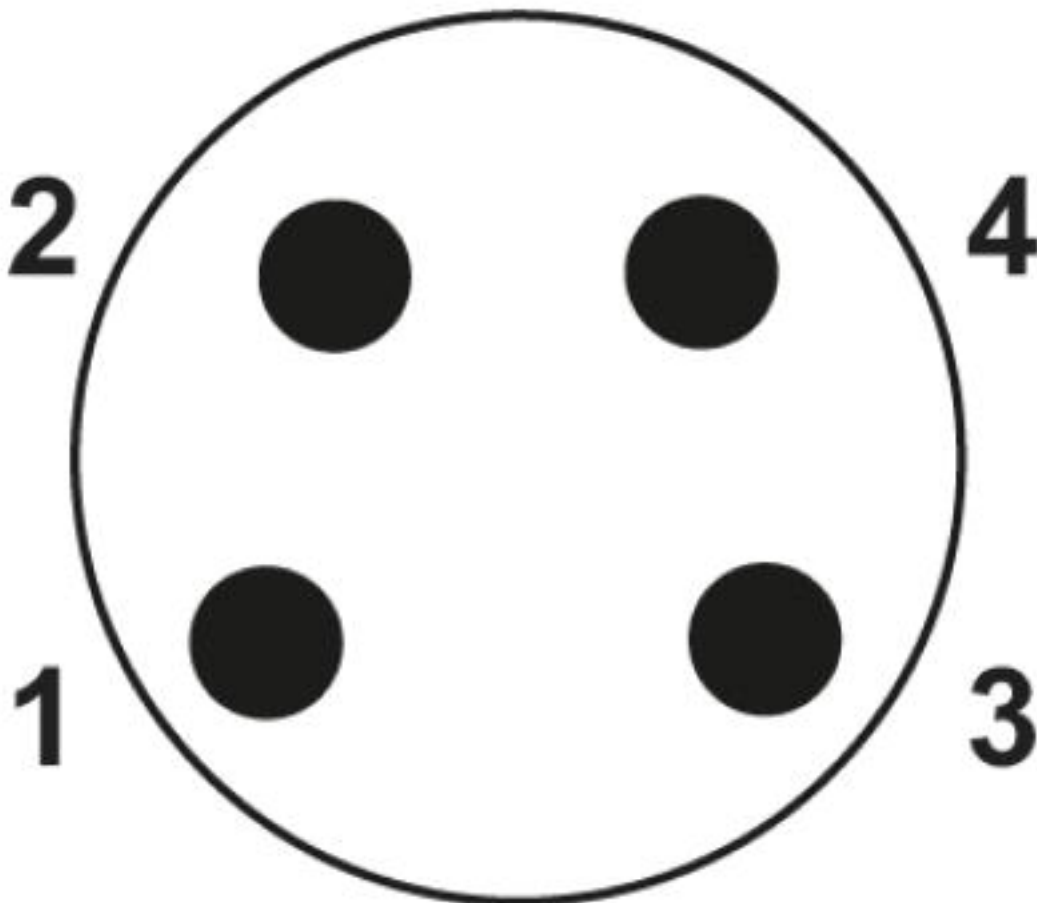| REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

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

Dimensional drawing

50

Ø12 M8
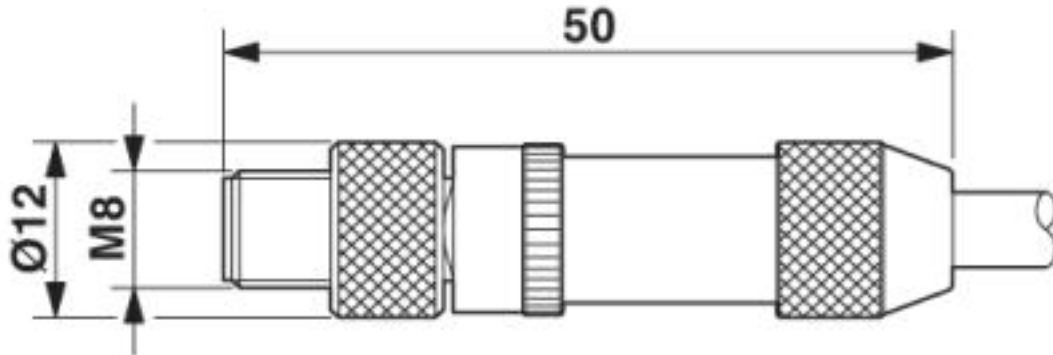
Plug M8 x 1, straight, shielded

Schematic diagram

2   4

1   3

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

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

Classifications

eCl@ss

eCl@ss 10.0.1	27440102
eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27279200
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

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	39121413
UNSPSC 18.0	39121413
UNSPSC 19.0	39121413
UNSPSC 20.0	39121413
UNSPSC 21.0	39121413

Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approval details

PHŒNIX CONTACT

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

Approvals

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

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

cULus Listed	

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

Sealing cap - PROT-M 8 FS-PA-CHAIN - 1430857

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

Screwdriver tools

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

Accessories

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

Stripping tool

Stripping tool - WIREFOX SAC - 1212623

Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from Ø of 4.4 to 7 mm, any stripping length

Stripping tool - WIREFOX SAC-1 - 1212757

Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from Ø of 3.2 to 4.4 mm, any stripping length

Torque tool

Torque screwdriver - TSD 02 SAC - 1208487

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

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

Accessories

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

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

Stripping tool - VS-CABLE-STRIP-VARIO - 1657407

Stripping tool, for the multi-level stripping of shielded cables