

Bus system connector - SACC-M12MSD-4Q SH - 1543223

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>)



Bus system connector, Ethernet CAT5, Ethernet CAT5e, 4-position, shielded, Plug straight M12, D-coded, Insulation displacement connection, Knurl material: Nickel-plated brass, External cable diameter 4 mm ... 8 mm

Product Features

- Safe use in the field, thanks to a high degree of protection
- Flexible: connectors for on-site assembly
- Insulation displacement connection: innovative and time-saving assembly without stripping the single wire
- Reliable signal transmission - 360° shielding in environments with electromagnetic interference

Ethernet

Key commercial data

package_quantity	1
GTIN	4046356097383

Technical data

Dimensions

External diameter	4 mm ... 8 mm
Stripping length of the sheath	35 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C
Degree of protection	IP67

General

Rated current at 40°C	1.75 A
Rated voltage	60 V
Number of positions	4
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Coding	D - data
Standards/regulations	M12 connector IEC 61076-2-101
Signal type/category	Ethernet CAT5 (IEC 11801:2002)
Signal type/category	Ethernet CAT5e (TIA 568B:2001)
Status display	No
Surge voltage category	II
Pollution degree	3

Bus system connector - SACC-M12MSD-4Q SH - 1543223

Technical data

General

Connection method	Insulation displacement connection
Conductor cross section	0.14 mm ² ... 0.34 mm ²
AWG conductor cross section	26 ... 22
Wire diameter incl. insulation	≤ 1.6 mm
Frequency of connections between conductors of the same cross section	≥ 10
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)
Torque	0.8 Nm (Connector with coupling sleeve)
Torque	3 Nm (Pressure nut with coupling sleeve)

Material

Inflammability class according to UL 94	V0
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA 66
Material of grip body	Zinc die-cast, nickel-plated
Material, knurls	Nickel-plated brass
Sealing material	Neoprene

classifications

eCl@ss

eCl@ss 4.0	27250313
eCl@ss 4.1	27250313
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
eCl@ss 8.0	27449001

ETIM

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

Bus system connector - SACC-M12MSD-4Q SH - 1543223

approvals

GOST /

Approval details



accessories

Torque tool

TSD 04 SAC - 1208429



TSD-M 1,2NM - 1212224



TSD 08 SAC - 1212597



Screwdriver tools

SACC BIT M12-D20 - 1208445



Bus system connector - SACC-M12MSD-4Q SH - 1543223

accessories

TSD-M SAC-BIT ADAPTER - 1212600



Protective cap

PROT-M12 FS-PA-CHAIN - 1430873



Data cable by the meter

VS-OE-OE-93E/... - 1417320



Stripping tool

WIREFOX-D 40 - 1212161



Shield connection

ALU-SB - 1404531



Bus system connector - SACC-M12MSD-4Q SH - 1543223

accessories

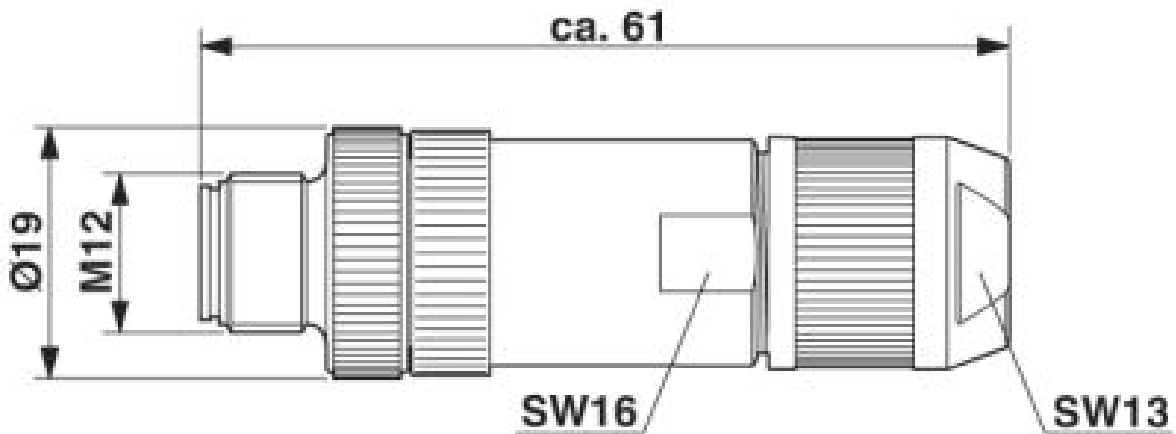
accessories

MICROFOX SC - 1205862



Drawings

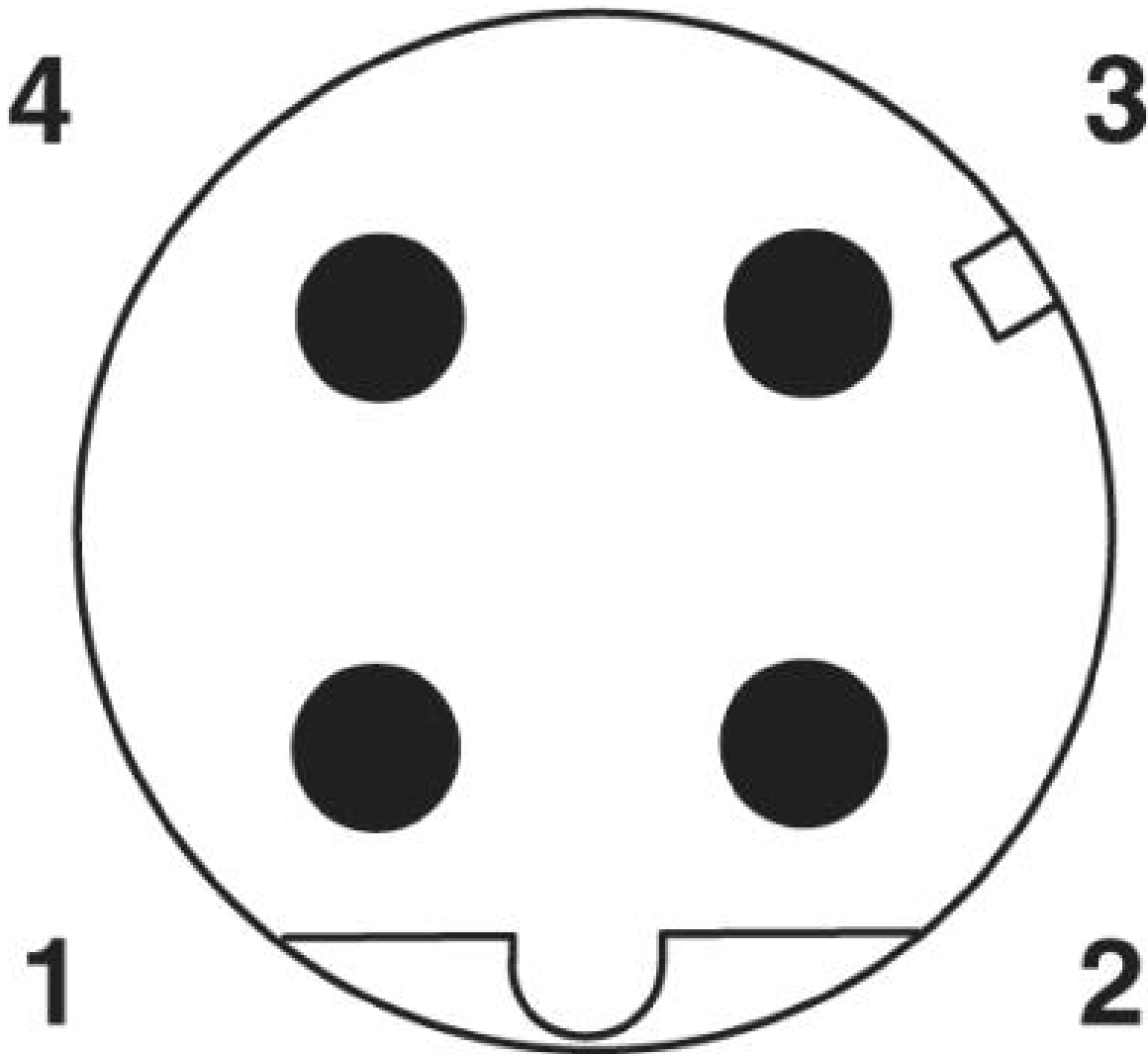
Dimensioned drawing



Plug, M12 x 1, straight, shielded

Bus system connector - SACC-M12MSD-4Q SH - 1543223

Schematic diagram



Pin assignment M12 male connector, 4-pos., D-coded, male side

© Phoenix Contact 2014 - all rights reserved
<http://www.phoenixcontact.com>