

Bus system connector - SACC-M12FS-8Q SH - 1553640

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Bus system connector, Ethernet CAT5, Ethernet CAT5e, 8-position, shielded, Socket straight M12, A-coded, Insulation displacement connection, Knurl material: Zinc die-cast, nickel-plated, 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	4046356158817

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	30 V
Number of positions	8
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Coding	A - standard
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

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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	Zinc die-cast, nickel-plated
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

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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



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accessories

TSD-M SAC-BIT ADAPTER - 1212600



Protective cap

PROT-M12 MS-PA-CHAIN - 1430899



Data cable by the meter

VS-OE-OE-94B/... - 1417333



VS-OE-OE-94C/... - 1417346



VS-OE-OE-94F/... - 1417359



Stripping tool

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accessories

WIREFOX-D 40 - 1212161



Shield connection

ALU-SB - 1404531



accessories

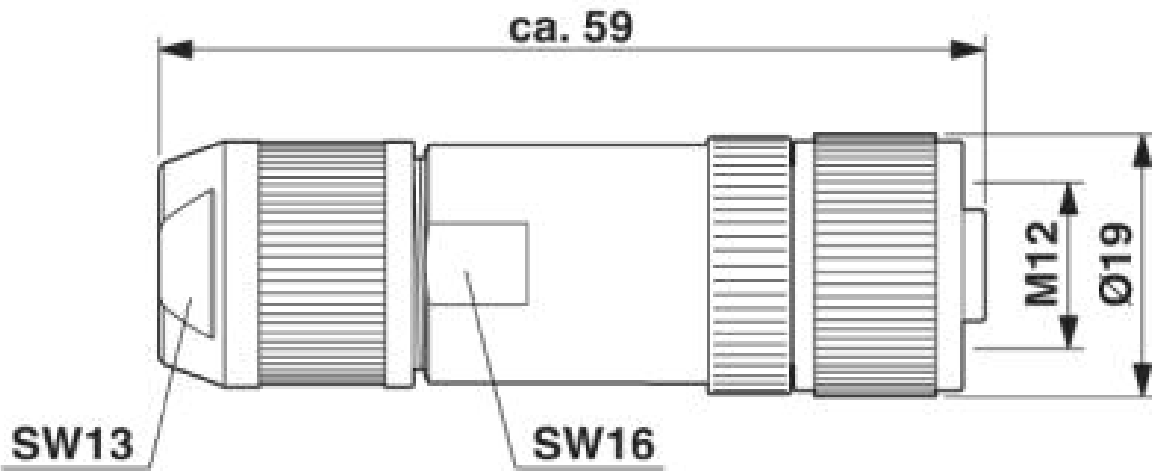
MICROFOX SC - 1205862



Drawings

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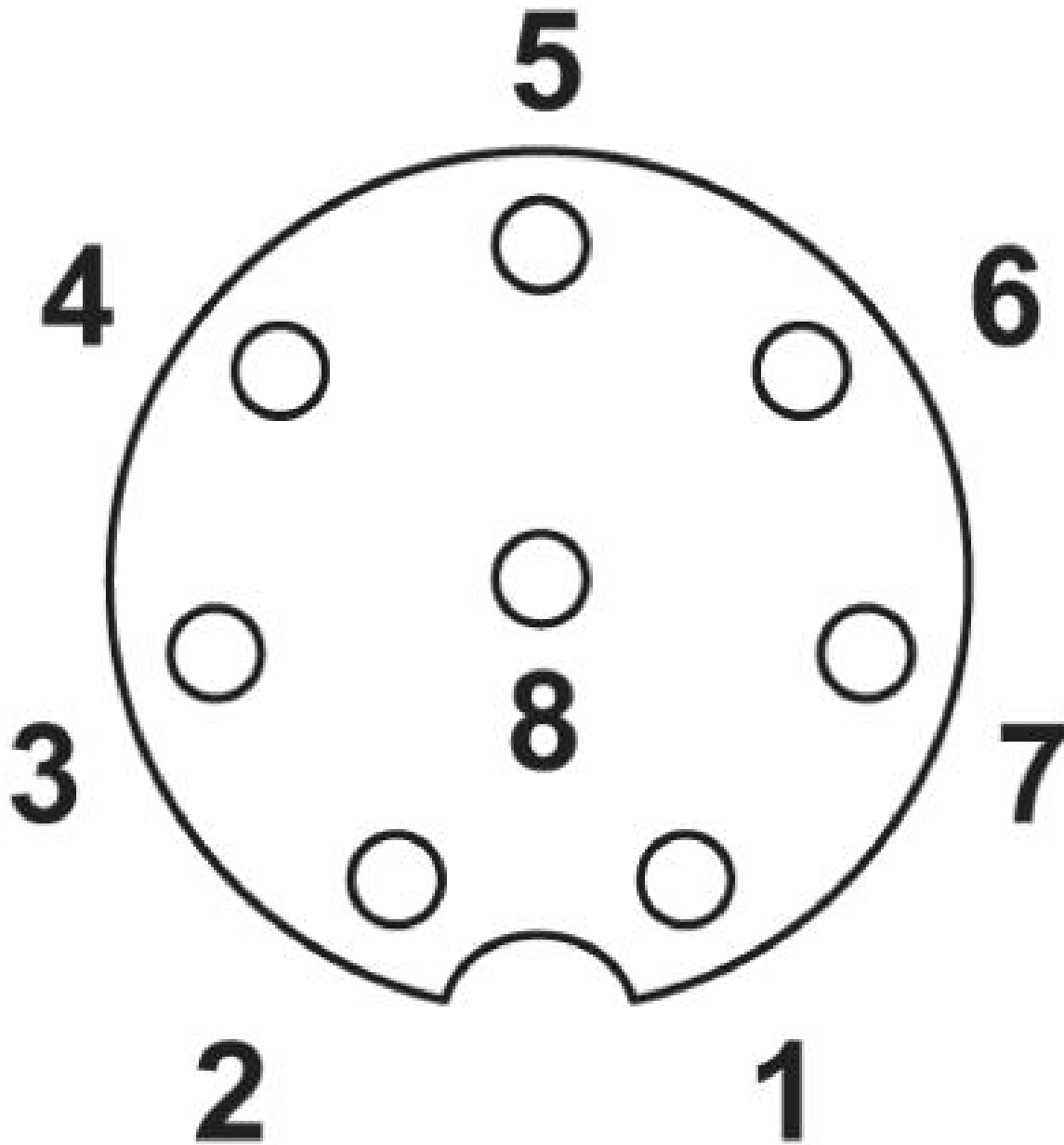
Dimensioned drawing



M12 x 1 socket, straight, shielded

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Schematic diagram



Pin assignment M12 socket, 8-pos., A-coded, view female side

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