Bus system connector - SACC-M12FRD-4Q SH PN - 1554542

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Bus system connector, PROFINET CAT5, PROFINET CAT5e, 4-position, shielded, Socket angled 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

Key commercial data

package_quantity	1
GTIN	4046356166232

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

Note	This product corresponds to the PROFINET Cabling and Interconnection Technology Guideline for PROFINET regulations, version 2.00, order no: 2.252, Chapter 8.2 Connectors for Outside Environment (Balanced cabling)
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	PROFINET CAT5 (IEC 11801:2002)

Bus system connector - SACC-M12FRD-4Q SH PN - 1554542

Technical data

General

Signal type/category	PROFINET CAT5e (TIA 568B:2001)
Status display	No
Surge voltage category	II
Pollution degree	3
Connection method	Insulation displacement connection
Conductor cross section	0.14 mm² ... 0.34 mm²
AWG conductor cross section	26 ... 22
Frequency of connections between conductors of the same cross section	≤ 10
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)
Assembly instructions	The connector pin assignment can be rotated 45° to the cable outlet

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	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27061801
eCl@ss 6.0	27061801
eCl@ss 7.0	27061801
eCl@ss 8.0	27061801

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

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classifications

UNSPSC

UNSPSC 13.2	31251501

approvals

GOST /

Approval details

GOST

accessories

Torque tool

TSD 04 SAC - 1208429



TSD-M 1,2NM - 1212224



Screwdriver tools

SACC BIT M12-D20 - 1208445



Bus system connector - SACC-M12FRD-4Q SH PN - 1554542

accessories

TSD-M SAC-BIT ADAPTER - 1212600



Protective cap

PROT-M12 MS-PA-CHAIN - 1430899



Data cable by the meter

VS-OE-OE-93B/... - 1417362



VS-OE-OE-93C/... - 1417491



VS-OE-OE-93R/... - 1417388



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accessories

VS-OE-OE-936/... - 1417375



VS-OE-OE-937/... - 1402687



Stripping tool

WIREFOX-D 40 - 1212161



accessories

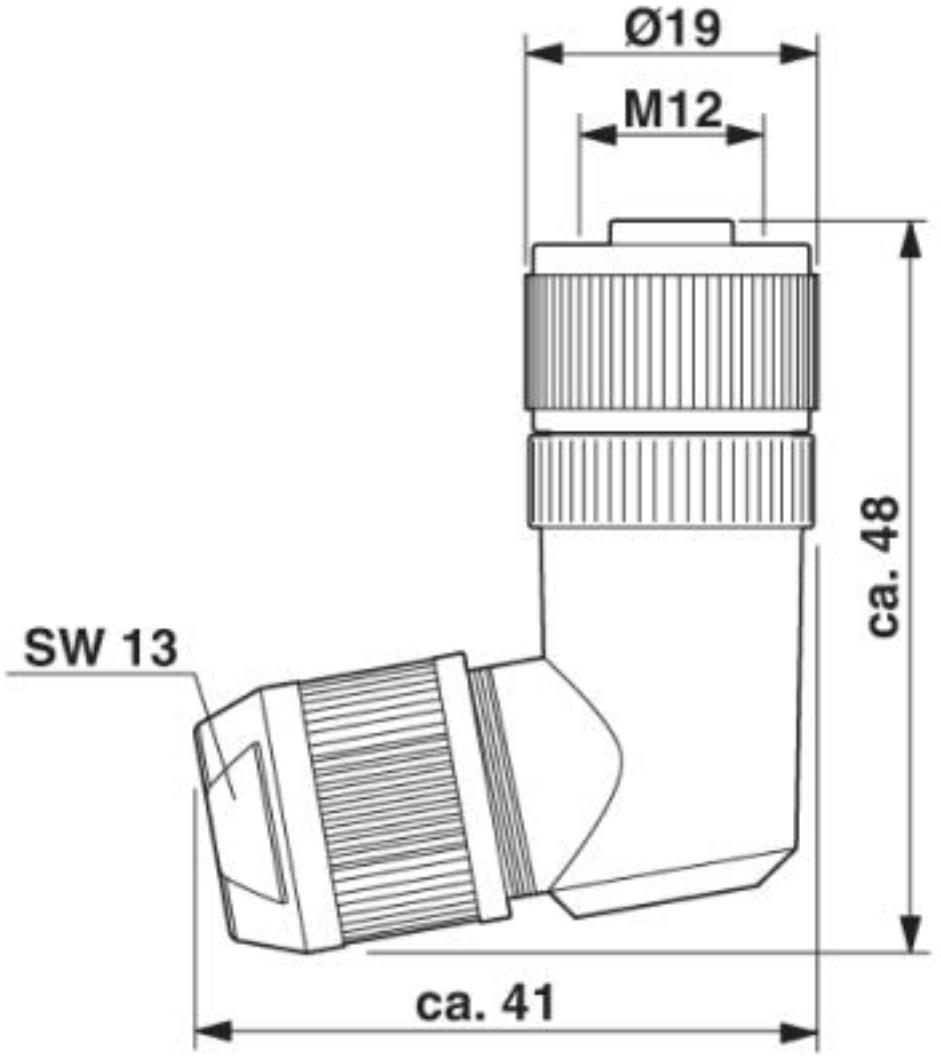
MICROFOX SC - 1205862



Drawings

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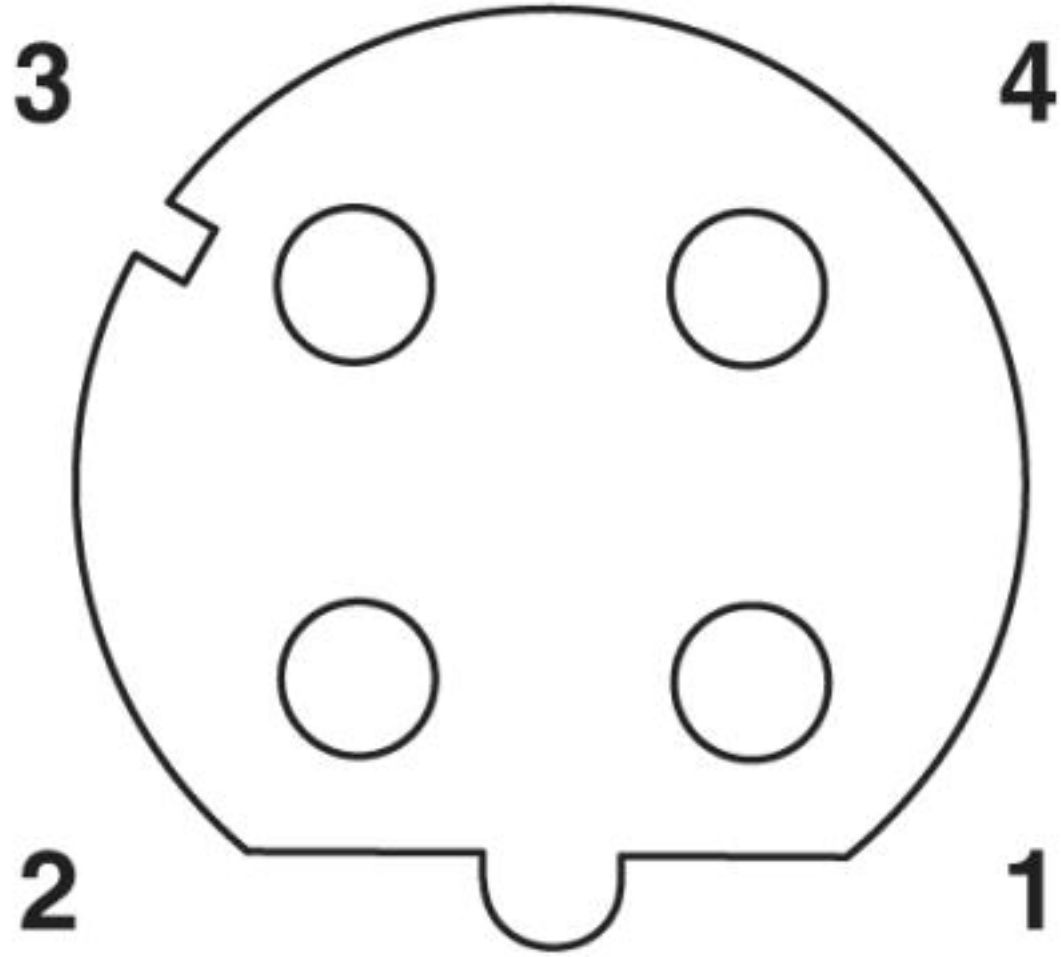
Dimensioned drawing



M12 x 1 socket, angled, shielded

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Schematic diagram



Pin assignment M12 socket, 4-pos., D-coded, female side

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