Sensor/actuator connector - SACC-M12FS-4QO-0,34-VA - 1440766

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Sensor/actuator connector, Universal, 4-position, Plug straight M12, A-coded, Insulation displacement connection, Knurl material: High-grade steel, External cable diameter 3.5 mm ... 6 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

Key commercial data

package_quantity	1
GTIN	4046356517027

Technical data

Dimensions

Wrench size, union nut	13 mm
External diameter	3.5 mm ... 6 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 80 °C (Plug / socket)
Ambient temperature (assembly)	-5 °C ... 50 °C (During assembly)
Degree of protection	IP65
Degree of protection	IP67

General

Rated current at 40°C	4 A
Rated voltage	125 V
Number of positions	4
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Signal type/category	Universal
Status display	No
Surge voltage category	II
Pollution degree	3
Connection method	Insulation displacement connection

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Technical data

General

Conductor cross section	0.14 mm² ... 0.34 mm²
AWG conductor cross section	26 ... 22
Wire diameter including insulation	0.7 mm ... 1.6 mm
Frequency of connections between conductors of the same cross section	10
Wire insulation material	PVC / PE
Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	Class 2-6
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)
Torque	0.8 Nm (Pressure nut)
Assembly instructions	AWG 20 conductor cross section upon request

Material

Inflammability class according to UL 94	V0
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU
Material of grip body	PA 6
Material, knurls	High-grade steel
Sealing material	FPM (M12 socket)
Sealing material	Neoprene (Cable clamping)

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	27279220
eCl@ss 7.0	27440103
eCl@ss 8.0	27440103

ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC002061
ETIM 5.0	EC002061

UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501

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classifications

UNSPSC

UNSPSC 13.2	31261501

approvals

GL / GL /

Approval details

GL

accessories

Torque tool

TSD 04 SAC - 1208429



TSD-M 1,2NM - 1212224



Screwdriver tools

SAC BIT M12-W14 - 1212513



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accessories

TSD-M SAC-BIT ADAPTER - 1212600

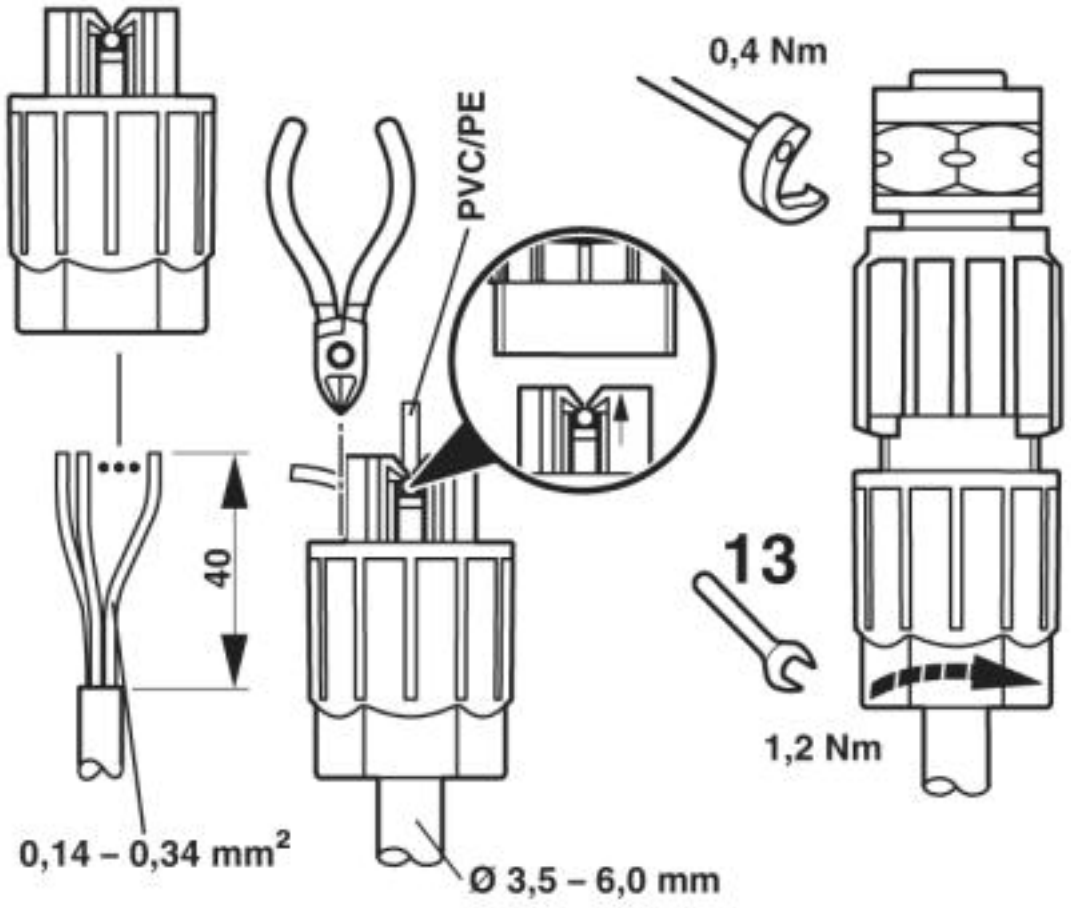


SAC BIT QUICKON-W13 - 1212033



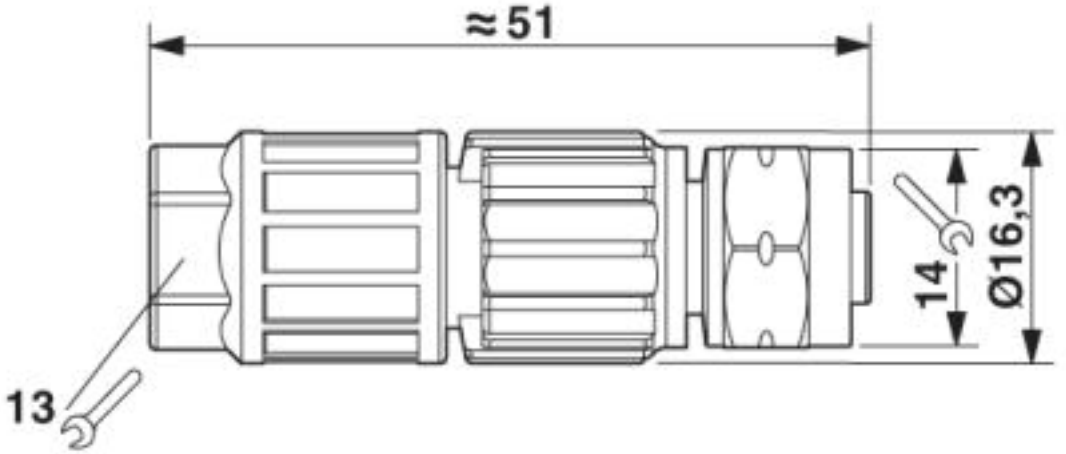
Drawings

Functional drawing



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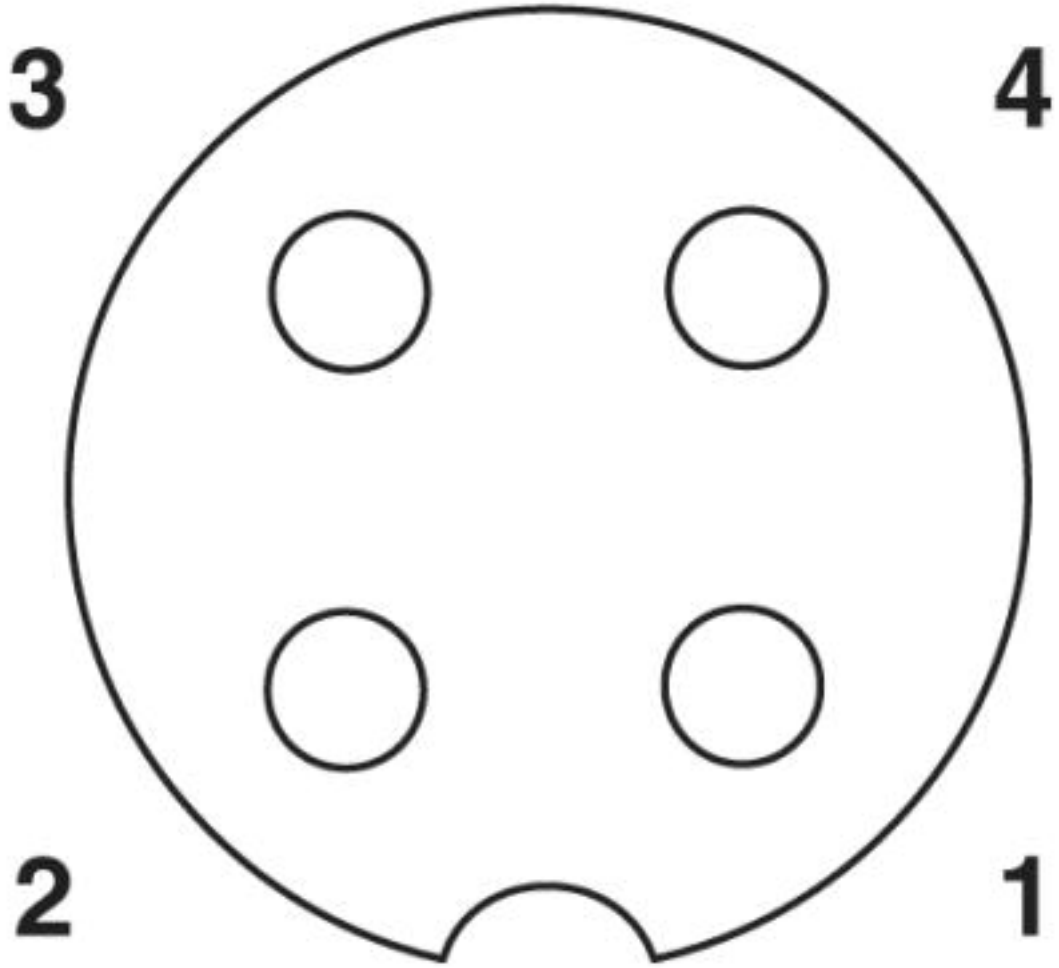
Dimensioned drawing



M12 socket, straight,QUICKON connection: 0.14 mm² ... 0.34 mm²

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Schematic diagram



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

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