PHŒNIX CONTACT

Bus system connector - SACC-FS-5SC SH DN SCO - 1432787

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Bus system connector, CANopen®, DeviceNet™, 5-position, shielded, Socket straight M12, A-coded, Spring-cage connection, knurl material: Zinc die-cast, nickel-plated, external cable diameter 4 mm ... 8 mm

Your advantages

☑ Safe use in the field, thanks to a high degree of protection

☑ Flexible: connectors for on-site assembly

☑ Save time, thanks to installation with SPEEDCON fast locking system

☑ Spring-cage connection: connect more securely, even in the case of shock and vibration, thanks to high contact forces

☑ Reliable signal transmission - 360° shielding in environments with electromagnetic interference

RoHS
DeviceNet
SPEEDCON LOCKING

Key Commercial Data

Packing unit	1 pc
GTIN	4 046356 348430
GTIN	4046356348430

Technical data

Dimensions

External diameter	4 mm ... 8 mm
Stripping length of the sheath	33 mm
Stripping length of the individual wire	10 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C (Plug / socket)

General

Rated current at 40°C	4 A
Rated voltage	60 V DC
	48 V AC
Number of positions	5
Insulation resistance	≥ 100 MΩ

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Technical data

General

Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
	Shock, vibration EN 50155:2001
Signal type/category	CANopen®
	DeviceNet™
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Spring-cage connection
Conductor cross section	0.14 mm² ... 0.5 mm²
Conductor cross section AWG	26 ... 20
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)
	0.8 Nm (Connector with coupling sleeve)
	3 Nm (Pressure nut with coupling sleeve)
Assembly instructions	AWG 18 wire cross section upon request
	The wires can be connected both with ferrules and without ferrules

Material

Flammability rating according to UL 94	V0
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU
Material of grip body	Zinc die-cast, nickel-plated
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

Standards and Regulations

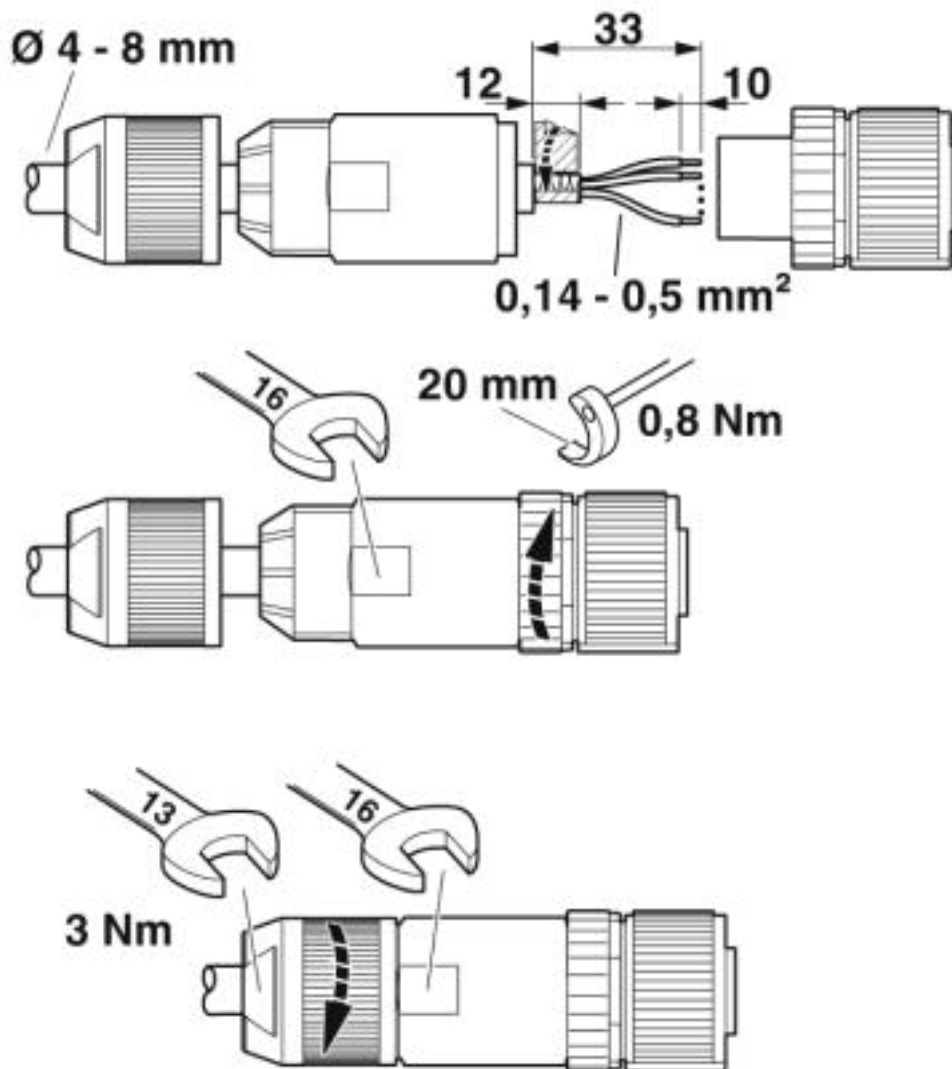| Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Standard designation	Shock, vibration
Standards/regulations	EN 50155:2001
Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

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Functional drawing

Ø 4 - 8 mm

33

12

10

0,14 - 0,5 mm²

16   20 mm   0,8 Nm

13   16
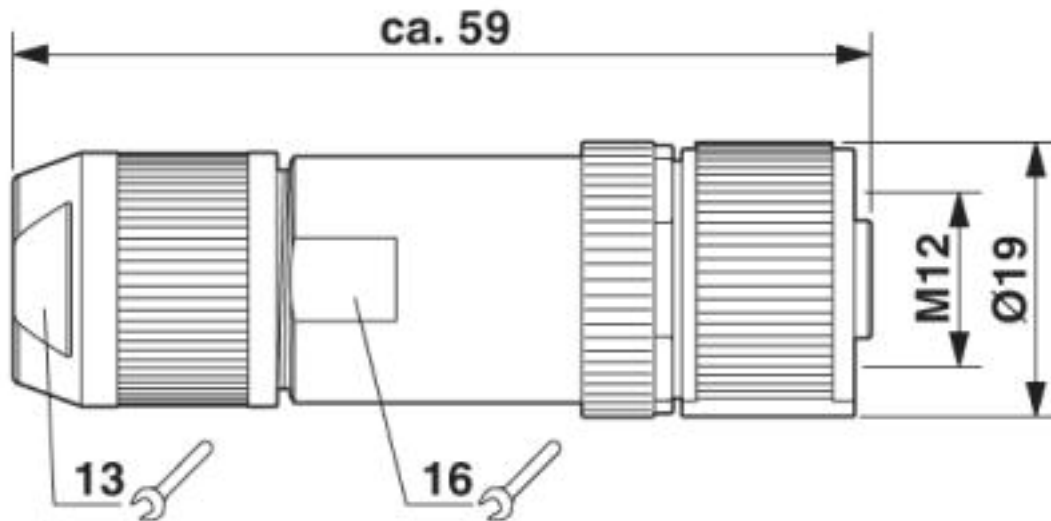
3 Nm

Slide the pressure nut and sleeve housing along the cable, strip the cable, shorten the shield, strip the single wires, connect the wires, in the case of a straight sleeve housing gently twist the wires together, stick the shielding foil around the shortened shield, in the case of a cable outside diameter < 6 mm stick an additional shielding foil around the wire pack, screw the sleeve housing to the plug insert, screw the pressure nut tight.

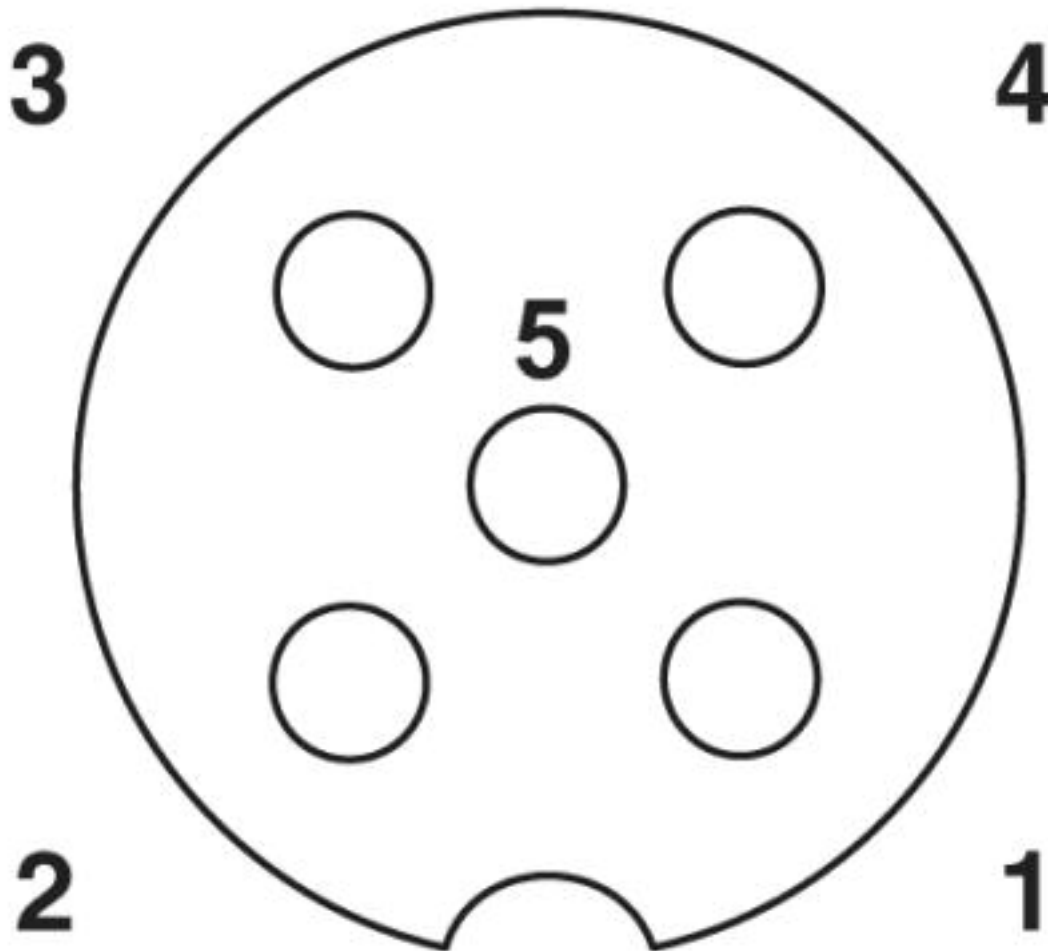# Bus system connector - SACC-FS-5SC SH DN SCO - 1432787

Dimensional drawing

Socket M12-SPEEDCON, straight, shielded

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Schematic diagram

Pin assignment M12 socket, 5-pos., A-coded, socket side view