Sensor/actuator connector - SACC-M 8FS-3QO-0,5-M - 1441066

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Sensor/actuator connector, 3-position, Socket straight M8, A-coded, Insulation displacement connection, Knurl material: Zinc die-cast, nickel-plated, External cable diameter 2.5 mm ... 5 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	4046356515955

Technical data

Dimensions

External diameter	2.5 mm ... 5 mm ± 0.2 mm
Stripping length of the sheath	40 mm

Ambient conditions

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

General

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	3
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M8 connector IEC 61076-2-104
Status display	No
Surge voltage category	II
Pollution degree	3
Connection method	Insulation displacement connection
Conductor cross section	0.25 mm² ... 0.5 mm²
AWG conductor cross section	24 ... 20

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Technical data

General

Wire diameter including insulation	0.75 mm ... 1.5 mm ±0.05 mm
Frequency of connections between conductors of the same cross section	10
Wire insulation material	PVC/PE/PP
Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	Class 2-6
Insertion/withdrawal cycles	≥ 100
Torque	0.6 Nm (Pressure nut)
Torque	0.2 Nm (M8 knurl)

Material

Inflammability class according to UL 94	HB
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	PA 6
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

classifications

eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27279221
eCl@ss 7.0	27440104
eCl@ss 8.0	27440104

ETIM

ETIM 2.0	EC001121
ETIM 3.0	EC002062
ETIM 4.0	EC002062
ETIM 5.0	EC002062

UNSPSC

UNSPSC 6.01	30211824
UNSPSC 7.0901	39121413
UNSPSC 11	39121413
UNSPSC 12.01	39121413
UNSPSC 13.2	39121413

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approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized /

Approval details

UL Recognized

Nominal voltage UN	29 V
Nominal current IN	4 A
mm²/AWG/kcmil	24-20

cUL Recognized

Nominal voltage UN	29 V
Nominal current IN	4 A
mm²/AWG/kcmil	24-20

GOST

cULus Recognized

accessories

Torque tool

TSD 02 SAC - 1208487



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accessories

TSD-M 1,2NM - 1212224



Screwdriver tools

SAC BIT M8-D10 - 1208461



TSD-M SAC-BIT ADAPTER - 1212600



Protective cap

PROT-M 8 MS-PA-CHAIN - 1430860



Cable by the meter

SAC-3P-100,0-PUR/0,25 - 1501689



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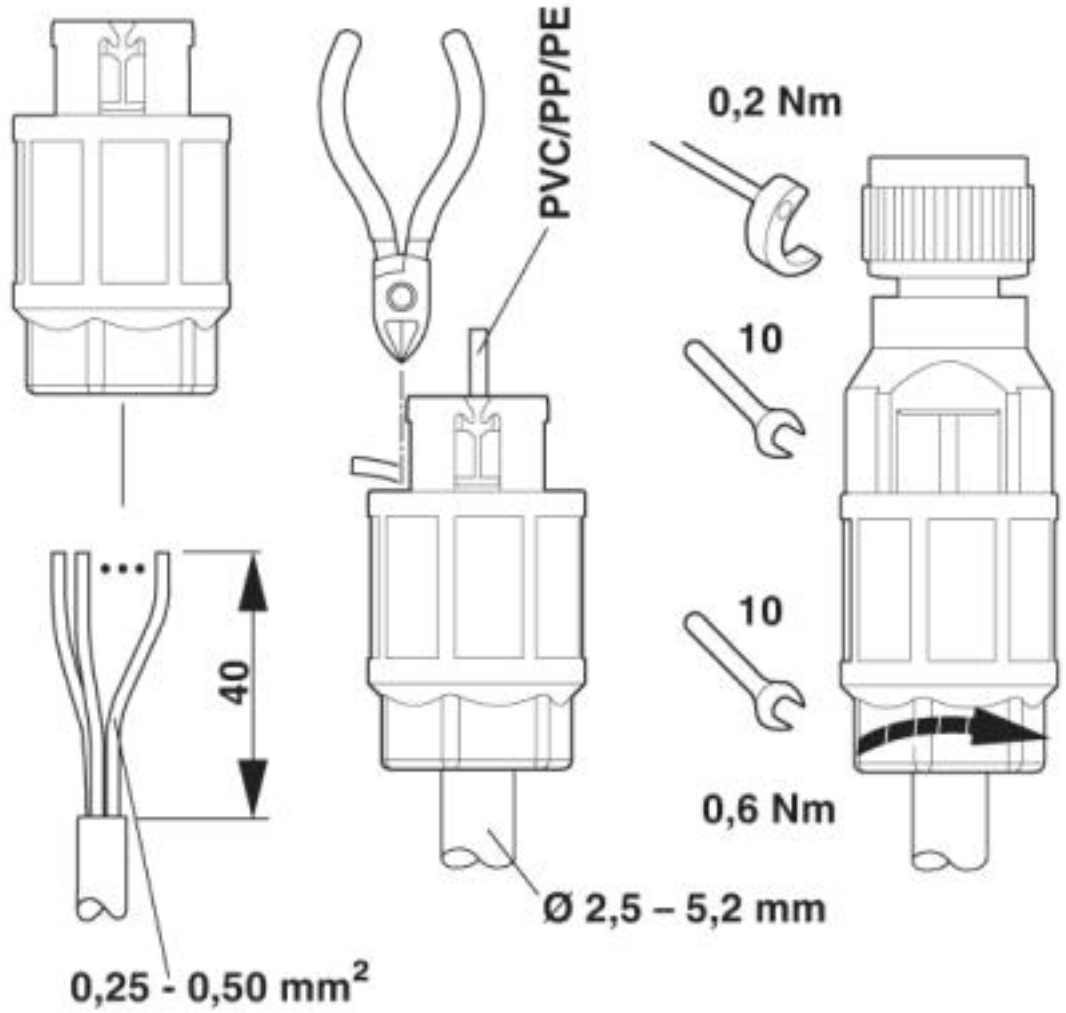
accessories

SAC-3P-100,0-PUR/0,34 - 1501650



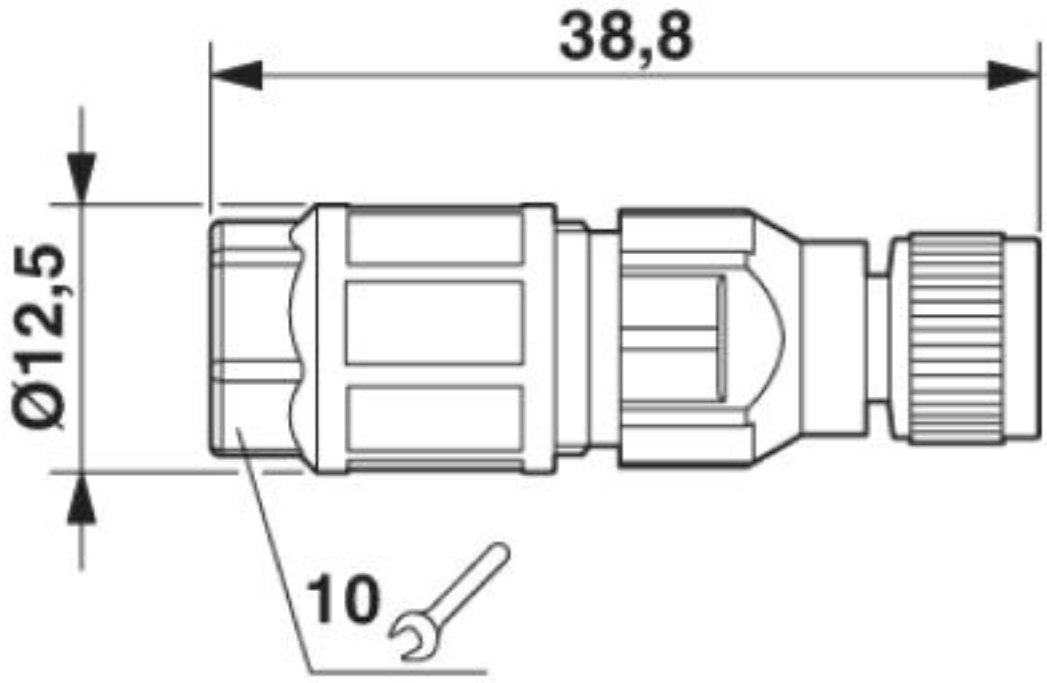
Drawings

Functional drawing



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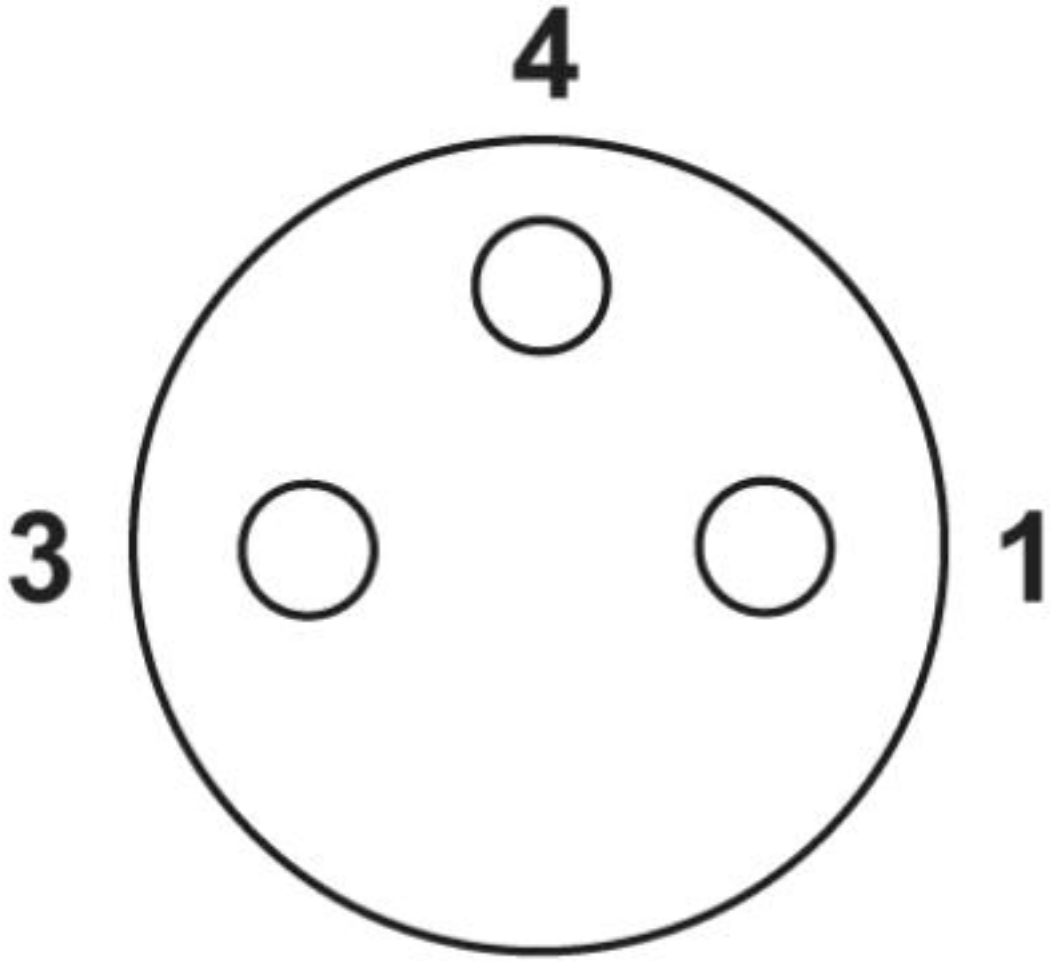
Dimensioned drawing



Socket M8 x 1, straight

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Schematic diagram



Pin assignment of M8 socket, 3-pos., view of pin side

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