Sensor/actuator connector - SACC-M12MS-4QO-0,75-VA - 1440779

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Sensor/actuator connector, Universal, 4-position, Plug straight M12, A-coded, Insulation displacement connection, Knurl material: Stainless steel, 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
- Insulation displacement connection: innovative and time-saving assembly without stripping the single wire

Key commercial data

package_quantity	1
GTIN	4046356517010

Technical data

Dimensions

Wrench size, union nut	15 mm
External diameter	4 mm ... 8 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	250 V
Number of positions	4
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Signal type/category	Universal
Status display	No
Overvoltage category	II
Degree of pollution	3

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Technical data

General

Connection method	Insulation displacement connection
Conductor cross section	0.34 mm² ... 0.75 mm²
Conductor cross section AWG	22 ... 18
Wire diameter including insulation	1.3 mm ... 2.6 mm
Frequency of connections between conductors of the same cross section	10
Wire insulation material	PVC / PE / PP / rubber
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	1.5 Nm (Pressure nut)
Assembly instructions	AWG 18 wire cross section upon request

Material

Flammability rating 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	Stainless steel
Sealing material	Neoprene (Cable clamping)

Cable

Standards/specifications	M12 connector IEC 61076-2-101

Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Flammability rating according to UL 94	V0

Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27279220
eCl@ss 7.0	27440103
eCl@ss 8.0	27440104
eCl@ss 9.0	27440102

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Classifications

ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC002061
ETIM 5.0	EC002062

UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	31261501

Approvals

GL / EAC / EAC /

Approval details

GL s

EAC s

s

Accessories

Socket spanner

QSS 15 - 1641992



Torque tool

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Accessories

TSD 04 SAC - 1208429



TSD-M 1,2NM - 1212224



Screwdriver tools

SAC BIT M12-W14 - 1212513



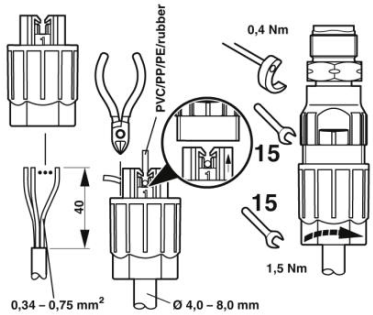
TSD-M SAC-BIT ADAPTER - 1212600



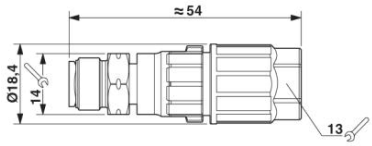
Drawings

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Functional drawing



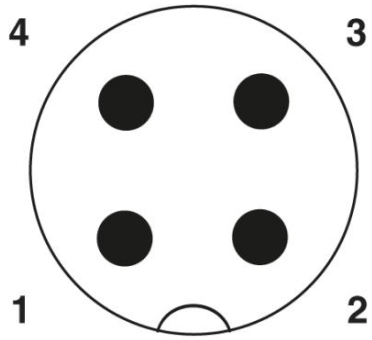
Dimensional drawing



M12 plug, straight,

QUICKON connection: 0.34 mm² ... 0.75 mm²

Schematic diagram



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

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