

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: Stainless steel 1.4404, external cable diameter 3.5 mm ... 6 mm

Why buy this product

- ✓ 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

Packing unit	1 STK
GTIN	 4 046356 517027
GTIN	4046356517027
Weight per Piece (excluding packing)	18.000 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Wrench size, union nut	13 mm
External diameter	3.5 mm ... 6 mm
Stripping length of the sheath	40 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 80 °C (Plug / socket)
Ambient temperature (assembly)	-5 °C ... 50 °C (During assembly)

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

Technical data

Ambient conditions

Degree of protection	IP65
	IP67

General

Rated current at 40°C	4 A
Rated voltage	125 V
Number of positions	4
Color handle area	black
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector according to IEC 61076-2-101
Signal type/category	Universal
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Insulation displacement connection
Conductor cross section	0.14 mm ² ... 0.34 mm ²
Conductor cross section AWG	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 / 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) 1.2 Nm (Pressure nut)
Assembly instructions	AWG 20 conductor 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 1.4404
Sealing material	Neoprene (Cable clamping) FPM (M12 socket)

Cable

Standards/specifications	M12 connector according to IEC 61076-2-101
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Sensor/actuator connector - SACC-M12FS-4QO-0,34-VA - 1440766

Technical data

Standards and Regulations

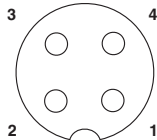
Standard designation	M12 connector
Standards/regulations	according to IEC 61076-2-101
Flammability rating according to UL 94	V0

Environmental Product Compliance

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

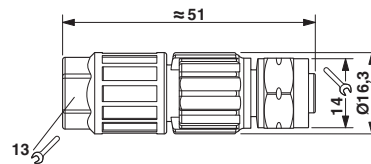
Drawings

Schematic diagram



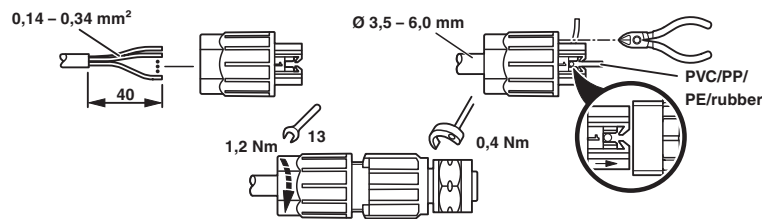
Pin assignment M12 socket, 4-pos., A-coded, view female side

Dimensional drawing



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

Functional drawing



Classifications

eCl@ss

eCl@ss 4.0	27250313
eCl@ss 4.1	27250313
eCl@ss 5.0	27143423

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Classifications

eCl@ss

eCl@ss 5.1	27143400
eCl@ss 6.0	27279200
eCl@ss 7.0	27440104
eCl@ss 8.0	27440104
eCl@ss 9.0	27440102

ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC002061
ETIM 5.0	EC002062
ETIM 6.0	EC002062

UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	39121413

Approvals

Approvals

Approvals

EAC / EAC / DNV GL

Ex Approvals

Approval details

EAC		EAC-Zulassung
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EAC		RU C- DE.AI30.B.01102
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Sensor/actuator connector - SACC-M12FS-4QO-0,34-VA - 1440766

Approvals

DNV GL

<http://exchange.dnv.com/tari/>

TAE00002K4

Accessories

Accessories

Protective cap

Screw plug - PROT-M12 MS-PA-CHAIN - 1430899

M12 sealing cap with fixing band, for sensor cables, for free M12 sockets



Screwdriver tools

Adapter - SAC BIT M12-W14 - 1212513



Nut for assembling sensor/actuator cables with M12 connector and M12 connectors for assembly, with a hexagonal knurl wrench size of 14 mm, with 4 mm hexagonal drive

Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600



Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

Tool - SAC BIT QUICKON-W13 - 1212033



Nut for assembling pressure nuts with 13 mm wrench size, for 4 mm hexagonal drive

Torque tool

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Accessories

Torque screwdriver - TSD 04 SAC - 1208429



Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

Torque screwdriver - TSD-M 1,2NM - 1212224



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm
