



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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

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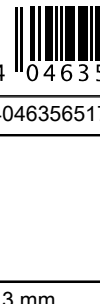


Sensor/actuator connector, Universal, 4-position, Plug straight M12, A-coded, Insulation displacement connection, knurl material: Stainless steel 1.4404, external cable diameter 3.5 mm ... 6 mm

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

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)
Degree of protection	IP65
	IP67

General

Rated current at 40°C	4 A
Rated voltage	125 V
Number of positions	4

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Technical data

General

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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Standards and Regulations

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

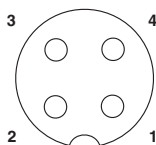
Environmental Product Compliance

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

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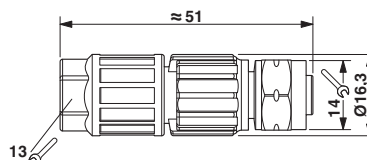
Drawings

Schematic diagram



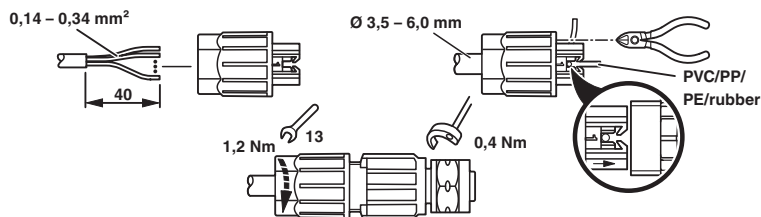
Pin assignment M12 socket, 4-pos., A-coded, view female side

Dimensional drawing



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

Functional drawing



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/>

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