

Technical data sheet

Actuator sensor interface · M12 - connector

Field wireable connector, M12 straight, shielded
Female D-coded (Ethernet, Profinet)
Spring terminal: Push-in connection technology



Identification

Type	KUGK4-M12 (C)-D FK
Part No.	490213

Product version

Datasheet version	00
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General

Design	M 12 Female Straight
Test voltage	1500 V
Degree of pollution	3
Insulation resistance	>100 MΩ
Contact resistance	<5 mΩ
Flamability according to UL 94	V0
Degree of protection	IP65, IP67 inserted and tightened
Housing material	Zinc die-casting, nickel-plated
Color of the housing	Silver
Contact material	CuSn, gold-plated
Material knurled nut	Zinc die-casting, nickel-plated
Material sealing ring	NBR
Cable diameter	4 mm – 8 mm
Storage temperature range	-40 °C ... +85 °C
Temperature range connector	-40 °C ... +85 °C
Mechanical service life	>100 insertion cycles

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0
www.lutze.com • sales.gb@lutze.co.uk

Germany: Friedrich Lütze GmbH

Postfach 12 24 (PLZ 71366) • Bruckwiesenstraße 17-19 • D-71384 Weinstadt
Tel. +49 (0)7151 6053-0
www.luetze.de • info@luetze.de

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Connection type	Spring terminal Push-In
Cross-section, metric	without ferrule: 0.14–0.75 mm ² with ferrule: 0.08–0.5 mm ²
Cross-section AWG	Without ferrule: AWG26–AWG18 With ferrule: AWG28–AWG20
Tightening torque	M12-knurled nut: 0.4 Nm Sleeve housing: 0.8 Nm Pressure nut: 3 Nm
Weight/unit	0.042 kg
PU (units)	1

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Rated voltage U _N	AC/DC 24 V
Operating voltage max.	60 V
Rated current	4 A
Pole number	4
Coding	D

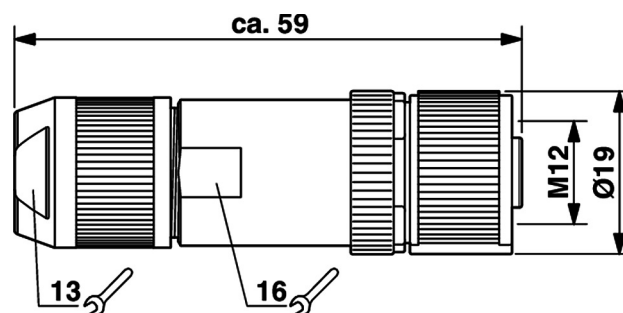
Certifications/Standards

Certifications	cULus Listed (E224249)
Standards	IEC 61076-2-101 EN 50155 (2001) vibration and shock

Notes and Comments

Comments	Suitable for Profinet, SERCOS3, Ethercat, Ethernet/IP, Powerlink, VARAN, Power over Ethernet+ (PoE+IEEE 802.3at) Suitable cables, see overview assignment Ethernet cables to connectors
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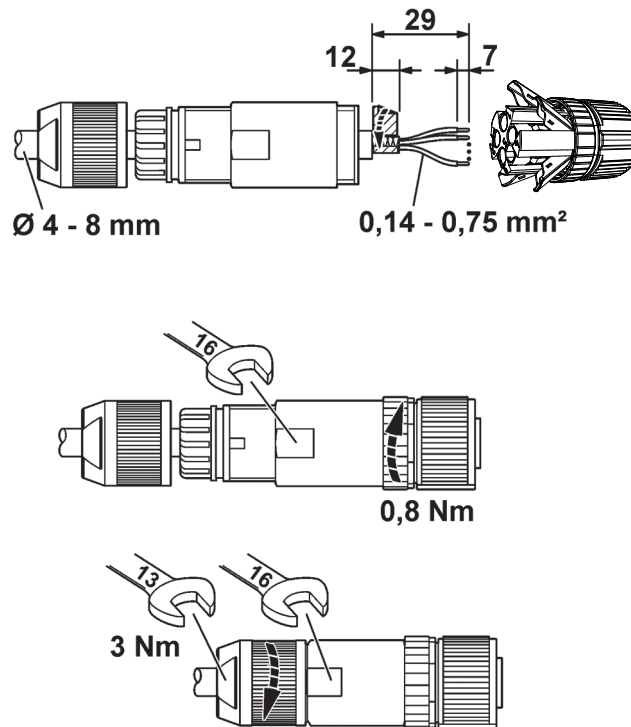
Dimensions



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Mounting diagram



Pin layout

