

Technical data sheet

Actuator sensor interface · M12 - connector

Field wireable connector, M8 straight, unshielded

Female - A coded, 3-pin, cable diameter 3.5 – 5.5 mm

Spring terminal: Push-in connection technology, 0.14 – 0.5 mm²



Identification

Type	KUGK-M8 3-POL-A FK
Part No.	490242

Product version

Datasheet version	01
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General

Design	Female Straight M 8 Unshielded
Over voltage category	II
Degree of pollution	3
Flamability according to UL 94	V0
Degree of protection	IP65/67
Housing material	PBT
Contact material	CuSn, gold-plated
Thread material	Zinc die-casting, nickel-plated
Material knurled nut	Zinc die-casting, nickel-plated
Material seal	NBR
Cable diameter	3.5 mm – 5.5 mm
Temperature range connector	-25 °C ... +85 °C
Dimensions (w × h × d)	14.0 mm × 14.0 mm × 49.0 mm
Contact durability	≥100
Connection type	Push-In spring connection
Cross-section, metric	0.14 mm ² –0.5 mm ²

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Cross-section AWG	AWG26–AWG20
Strip length	7 mm
Tightening torque	M8-knurled nut: 0.2 Nm Plug insert with sleeve housing: 0.2 N Pressure nut with sleeve housing: 1.5 Nm
Pin configuration	1 = BN 3 = BU 4 = BK
Weight/unit	0.0162 kg
PU (units)	1

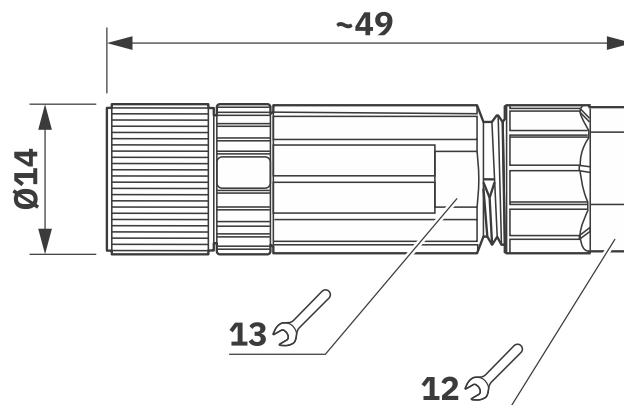
Technical data

Rated voltage U_N	AC 48 V DC 60 V
Rated current	4 A
Pole number	3
Coding	A
Shielding	Unshielded

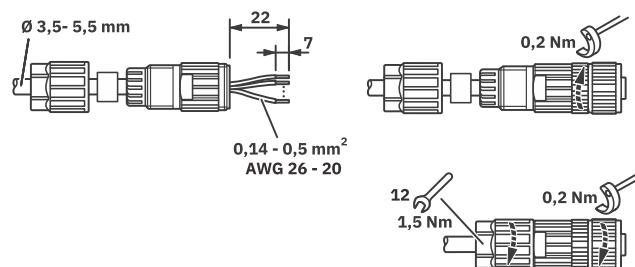
Certifications/Standards

Standards	based on IEC 61076-2-104
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Dimensions



Mounting diagram



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Pin layout

