

Technical data sheet

Actuator sensor interface · M12 - connector

Field wireable connector, M12 straight

Male A-coded

Spring terminal: Push-in connection technology



Identification

Type	STGK-M12 4-POL-A FK
Part No.	490190

Product version

Datasheet version	00
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General

Design	M 12 male straight
Test voltage	2500 V
Degree of pollution	3
Insulation resistance	>100 M Ω
Contact resistance	<5 m Ω
Flamability according to UL 94	V0
Protection class	IP65, IP67 inserted and tightened
Housing material	PA 6.6
Color of the housing	black
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
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

USA: LUTZE INC.

13330 South Ridge Drive · Charlotte, NC 28273, USA
Tel. +1 (704) 504-0222 · Fax +1 (704) 504-0223
www.lutze.com · info@lutze.com

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Tightening torque	M12-knurled nut: 0.4 Nm sleeve housing: 0.4 Nm pressure nut: 1.5 Nm
Connection type	Spring terminal Push-In
Weight/unit	0.026 kg
PU (units)	1

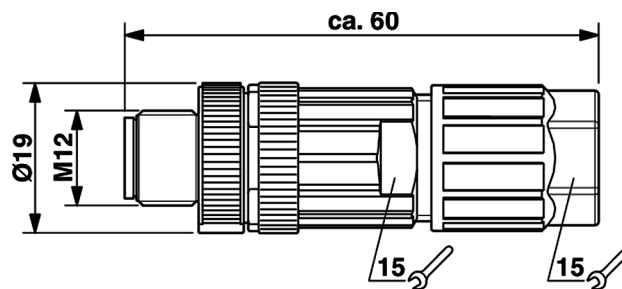
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Rated voltage U_N	AC/DC 24 V
Operating voltage max.	250 V
Rated current	4 A
Pole number	4
Coding	A

Approvals/Standards

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

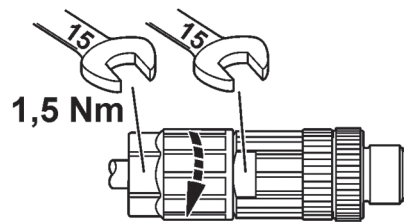
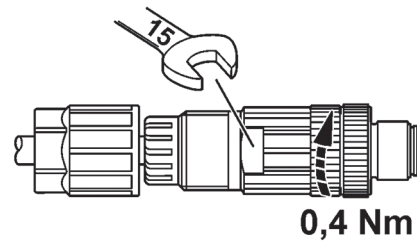
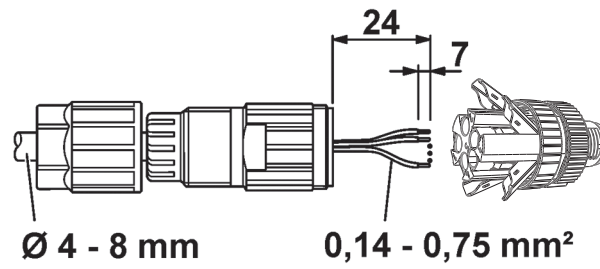
Dimensions



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Mounting diagram



Pin layout

