

## Technical data sheet

Actuator sensor interface · M12 - connector

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**Field wireable connector, M12 straight, shielded**  
**Male B-coded (ProfibusDP 12 MBit/s)**  
**Spring terminal: Push-in connection technology**



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### Identification

Type	STGK2-M12 (C)-B FK
Part No.	490210

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### Product version

Datasheet version	00
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### General

Design	M 12 male straight
Test voltage	1500 V
Degree of pollution	3
Insulation resistance	>100 M $\Omega$
Contact resistance	<5 m $\Omega$
Flamability according to UL 94	V0
Protection class	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

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Part No. 490210 • Datasheet version: 00

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SYSTEMATIC TECHNOLOGY

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Cross-section, metric	without ferrule: 0.14–0.75 mm <sup>2</sup> with ferrule: 0.08–0.5 mm <sup>2</sup>
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
Connection type	Spring terminal Push-In
Weight/unit	0.037 kg
PU (units)	1

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### Technical data

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Rated voltage U <sub>N</sub>	AC/DC 24 V
Operating voltage max.	60 V
Rated current	4 A
Pole number	2
Coding	B

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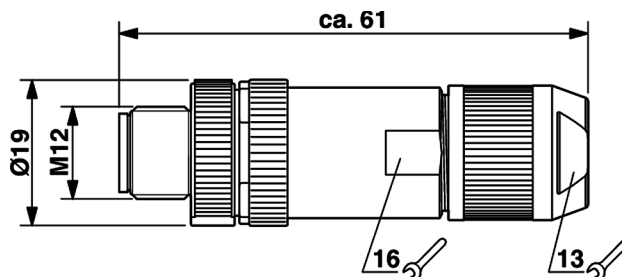
### Certifications/Standards

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

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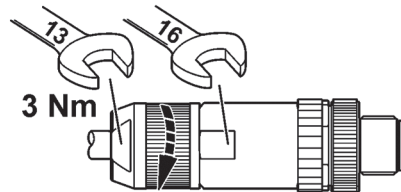
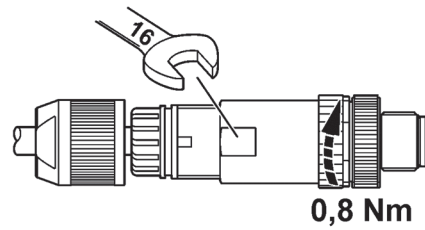
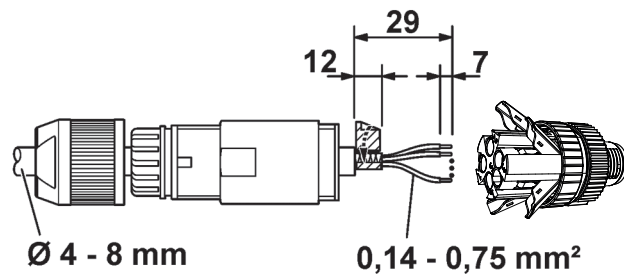
### Dimensions



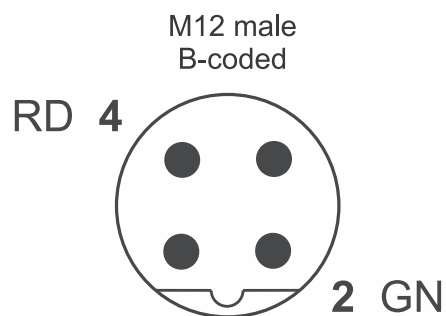
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### Mounting diagram



### Pin layout



### Circuit diagram

