

Technical data sheet

Actuator sensor interface · M12 - connector

Field wireable connector, M8 angled, unshielded

Male A-coded, 4-pin, cable diameter 3.5 – 5.5 mm

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



Identification

Type	STWK-M8 4-POL-A FK
Part No.	490245

Product version

Datasheet version	00
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General

Design	Male Angle connector 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 × 28.0 mm × 47.0 mm
Contact durability	≥100
Connection type	Push-In spring connection
Cross-section, metric	0.14 mm ² –0.5 mm ²

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

12.02.2025 • Subject to technical modification

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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 2 = WH 3 = BU 4 = BK
Weight/unit	0.0136 kg
PU (units)	1

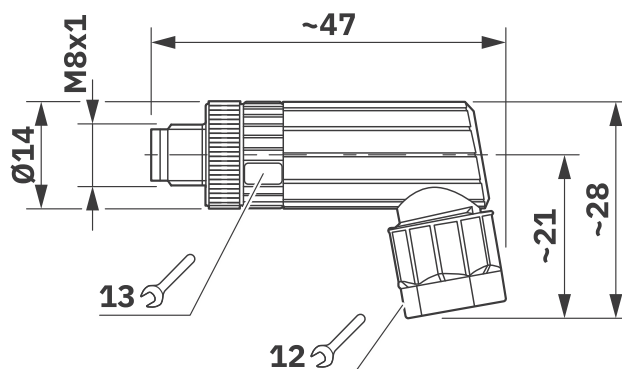
Technical data

Rated voltage U_N	AC 30 V DC 30 V
Rated current	4 A
Pole number	4
Coding	A
Shielding	Unshielded

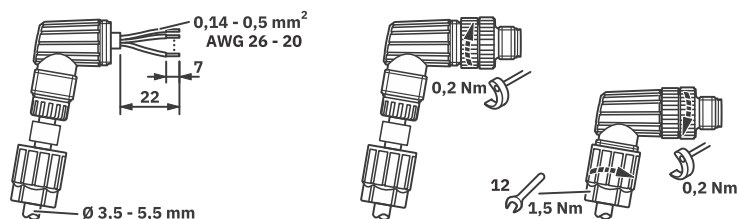
Certifications/Standards

Standards	based on IEC 61076-2-104
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Dimensions

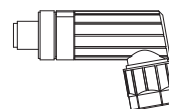
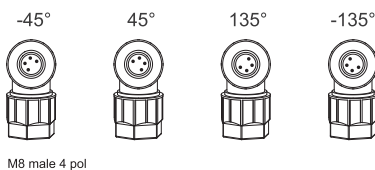


Mounting diagram



Mounting diagram

DE **HINWEIS:** Die Polbilder sind im Vergleich zu den umspritzten Versionen um 45° versetzt.
EN **NOTICE:** The pole patterns are offset by 45° compared to the overmolded versions.
FR **AVIS:** Les motifs des pôles sont décalés de 45° par rapport aux versions surmoulées.
ES **AVISO:** Los patrones de los postes están desplazados 45° en comparación con las versiones sobremoldeadas.



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Pin layout

