

Technical data sheet

Actuator sensor interface · M12 - connector

Field wireable connector, M12 straight, shielded

Female K coded, 690 V AC /16 A, 5-pin, cable diameter 8 – 13 mm

Spring terminal: Push-in connection technology, 0.75 – 2.5 mm²



Identification

Type	KUGK-M12(C) 5-POL-K FK
Part No.	490259

Product version

Datasheet version	00
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General

Design	Female Straight M 12 Shielded
Over voltage category	III
Degree of pollution	3
Flamability according to UL 94	V0
Degree of protection	IP65
Housing material	Brass, nickel plated
Contact material	Gold-plated
Thread material	Brass, nickel plated
Material knurled nut	Brass, nickel plated
Cable diameter	8 mm – 13 mm
Temperature range connector	-40 °C ... +85 °C
Dimensions (Ø×d)	Ø 23 × 68 mm
Contact durability	≥100
Connection type	Push-In spring connection

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12.02.2025 • Subject to technical modification

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Cross-section, metric	2.5 mm ² –1.5 mm ² with ferrule: 0.75–2.5 mm ² rigid: 1.5 mm ² –1.5 mm ²
Cross-section AWG	Without ferrule: AWG16–AWG14 With ferrule: AWG18–AWG14
Strip length	10 mm
Tightening torque	M12-knurled nut: 0.6 Nm Pressure nut with sleeve housing: 5 Nm
Pin configuration	1 = BK1 2 = BK2 3 = BK3 4 = BK4 PE = GNYE
Weight/unit	0.09134 kg
PU (units)	1

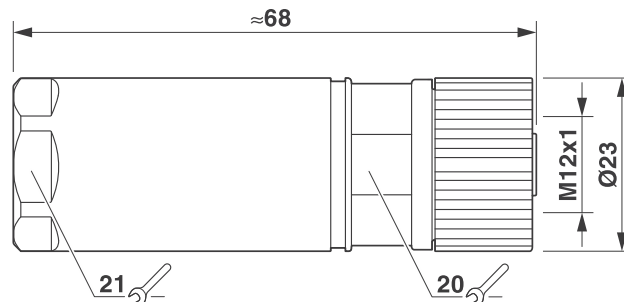
Technical data

Rated voltage U_N	AC 690 V
Measurement surge voltage	6 kV
Rated current	16 A
Pole number	5
Coding	K
Shielding	shielded

Certifications/Standards

Standards	based on IEC 61076-2-111
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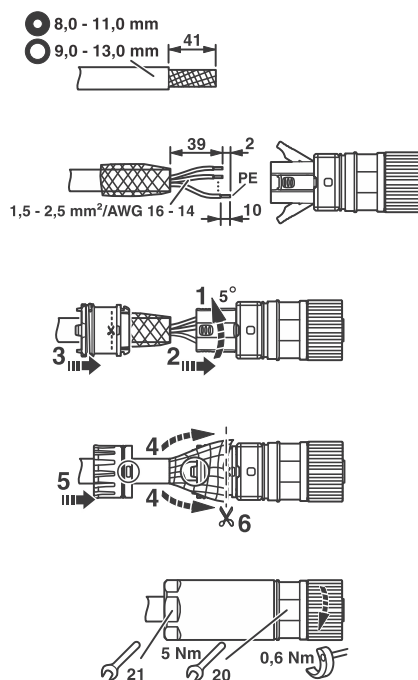
Dimensions



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Mounting diagram



Pin layout

M12 female
K-coded

