

Technical data sheet

Actuator sensor interface · M12 - cables

Female M12 straight with PUR cable, open end
Self-locking screw connection
C-track compatible, halogen free



Identification

Type KUG5-M12 2M PUR
Part No. [477020](#)

Product version

Datasheet version 00

Use/Application/Properties

Properties

- Silicone free
- Free from paint wetting disruptive substances (LABS-free)
- Hydrolysis-resistant, microbe-resistant, and rot-resistant
- Resistance to acids, alkalines and watery solutions

General

Design	M 12×1
Form male 1	M 12 female straight
Form male 2	line end open
Rated insulation voltage	63 V
Test voltage	1500 V
Degree of pollution	3
Contact resistance	<5 mΩ
Flamability according to UL 94	HB
Degree of protection	IP65/67/68
Housing material	TPU
Color of the housing	black
Contact material	CuSn, gold-plated

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SYSTEMATIC TECHNOLOGY

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Thread material	Zinc die-casting, nickel-plated
Mounting	Breakaway torque 0.4 Nm
Number of conductors/cross-section	5 × 0.34 mm ² (42 × 0.1)
Number of conductors	5
Conductor color	various
Jacket material	PUR
Jacket color	black
Conductor insulation	PP
Cable diameter	4.5 mm
Minimum bending radius moving	10×D
Storage temperature range	-30 °C ... +90 °C
Temperature range connector	-25 °C ... +90 °C
Temperature range fixed	-40 °C ... +80 °C
Temperature range moving	-25 °C ... +80 °C
C-track chain properties	Type B
Conduction properties (TYPE A+B+C)	PUR halogen free for extreme demands Very good chemical stability Very resistant to oils and lubricants Very high abrasion resistance Halogen free Silicone free, free of paint wetting impairment substances Resistant to microbes and hydrolysis Good UV stability
Weight/unit	0.1 kg
PU (units)	1

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Rated voltage U _N	AC/DC 24 V
Operating voltage max.	60 V
Rated current	4 A
Pole number	5
Cable length	2 m
Coding	A

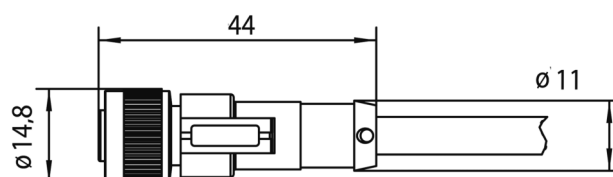
Certifications/Standards

UV-resistant according to Certifications	DIN EN ISO 4892-2-A cULus Listed (E224249)
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Equipment/Spare parts

Accessories Torque setting tool M 12: Part-No. 490091 | DM-SET M12 | PU: 1 unit

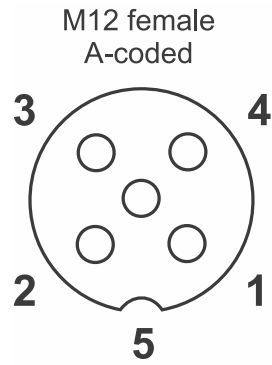
Dimensions



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Pin layout



Circuit diagram

