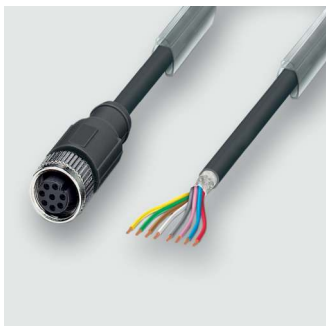


## Technical data sheet

Actuator sensor interface · M12 - cables

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Female M12 straight with PUR cable, shielded 360°, open end  
Self-locking screw connection  
C-track compatible, halogen free



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### Identification

Type KUG8-M12(C) 5M PUR  
Part No. [458805](#)

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### Product version

Datasheet version 00

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### 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

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### General

Design M 12×1  
Form male 1 M 12 female straight  
Form male 2 line end open  
Rated insulation voltage 36 V  
Test voltage 1500 V  
Degree of pollution 3  
Contact resistance <math><5\text{ m}\Omega</math>  
Flamability according to UL 94 HB  
Degree of protection IP65/67  
Housing material TPU  
Color of the housing black  
Contact material CuSn, gold-plated

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03.05.2022 · Subject to technical modification

Part No. [458805](#) · Datasheet version: 00

page 1 of 3



SYSTEMATIC TECHNOLOGY

## Technical data sheet

### Actuator sensor interface · M12 - cables

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Thread material	Zinc die-casting, nickel-plated
Mounting	Breakaway torque 0.4 Nm
Number of conductors/cross-section	8 × 0.25 mm <sup>2</sup> (32 × 0.1)
Number of conductors	8
Conductor color	various
Jacket material	PUR
Jacket color	black
Conductor insulation	PP
Cable diameter	5.9 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	0.305 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.	30 V
Rated current	2 A
Pole number	8
Cable length	5 m
Coding	A
Shielding	360°

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#### Certifications/Standards

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

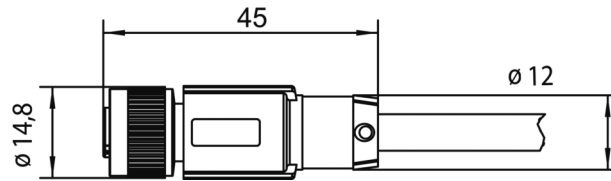
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**Accessories** **Torque setting tool M 12:** Part-No. 490091 | DM-SET M12 | PU: 1 unit

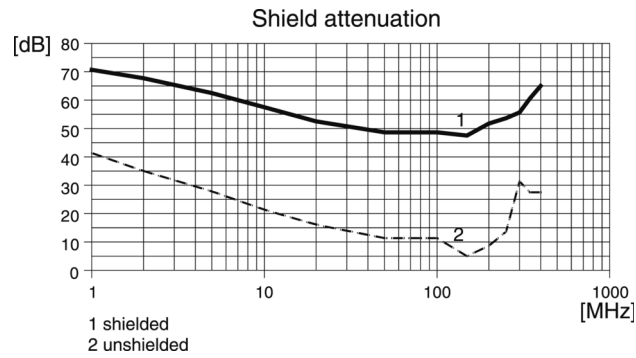
# Technical data sheet

## Actuator sensor interface · M12 - cables

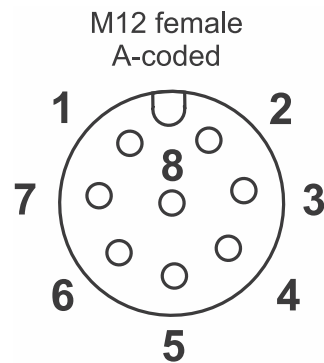
### Dimensions



### Action chart



### Pin layout



### Circuit diagram

