

## Technical data sheet - Actuator sensor interface

M12 / M12 – cables



<b>Identification</b>	Type	STG8-M12/KUW8-M12 0,3M PUR
	Part-No.	424003

<b>Description</b>	Male M12 straight to female M12 angled with PUR cable self-locking screwed connection c-track compatible, halogen free
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<b>Technical data</b>	
Nominal voltage	AC/DC 24 V
Nominal voltage range	max. 30 V
Rated current	2 A
Pol number	8
Cable length (m)	0.3 m
Cable length	0.3 m
Coding	A

<b>General</b>	
Form	M12 × 1, male straight / M12 × 1, female straight
Rated insulation voltage (EN 50178)	36 V
Test voltage	1.5 kV
Pollution degree	3
Insulation resistance	>10 <sup>9</sup> Ω

30.01.2017 – Subject to technical modification

Part-No. 424003

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Contact resistance	<5 mΩ
Class of flammability according to UL 94	V0
Protection class	IP IP65/IP67/IP68
Housing material	TPU black
Contact material	CuSn, gold plated nickel
Thread material	Zinc die-casting, nickel-plated
Sealing ring	NBR
Cable construction	8 × 0.25 mm <sup>2</sup> (32 × 0.1)
Cable jacket	PUR black
Conductor insulation	PP
Cable diameter	5.9 mm
Bending radius	10 × cable diameter
Storage temperature range	-30 °C ... 90 °C
Temperature range connector	-25 °C – 90 °C
Temperature range cable fixed	-40 °C – 80 °C
Temperature range cable moving	-25 °C – 80 °C
Weight (kg/piece)	0.050
Approvals	cULus
PU	1
C-track chain properties	Type C

### C-track chain properties

C-track chain properties	Type A	Type B	Type C
Bending cycles min.	5 million	4 million	2 million
Minimum bending radius	10 × D	10 × D	10 × D
Travel distance	10 m	10 m	5 m
Acceleration	7 m/s <sup>2</sup>	10 m/s <sup>2</sup>	5 m/s <sup>2</sup>
Speed	3 m/s	3 m/s	3 m/s
Conduction properties (TYPE A+B+C)	PUR halogen free for extreme demands <ul style="list-style-type: none"> <li>• Very good chemical stability</li> <li>• Very resistant to oils and lubricants</li> <li>• Very high abrasion resistance</li> <li>• Halogen free</li> <li>• Silicone free, free of paint wetting impairment substances</li> <li>• Resistant to microbes and hydrolysis</li> <li>• Good UV stability</li> </ul>		

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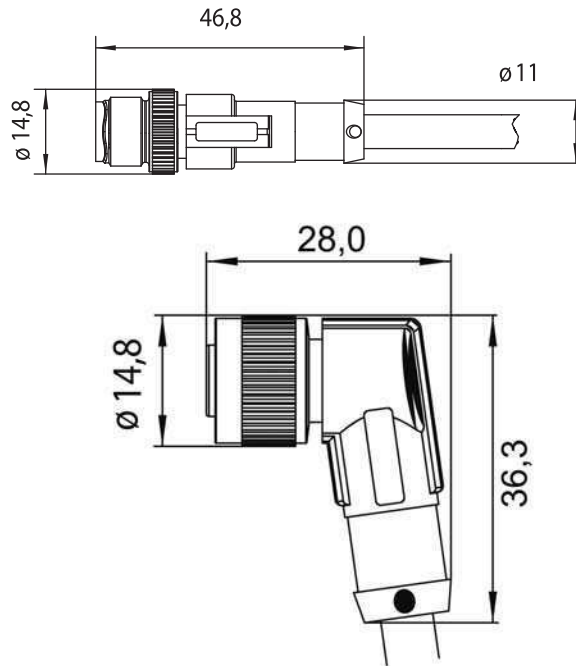
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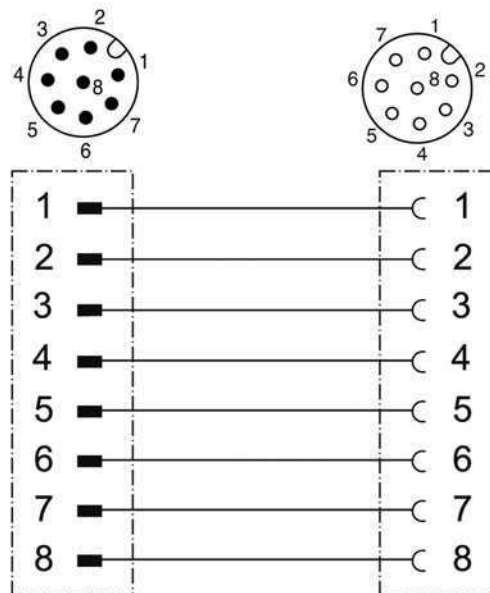
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## Dimensions



## PIN assignment



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**Symbols**



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**Accessories**

<b>Accessories</b>	<b>Article number</b>	<b>Type</b>	<b>PU</b>
Cable markers 4×23mm	499988	LB M8/M12	5
Torque setting tool M12	490091	DM-SET M12	1

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