



<b>Identification</b>	Type	BOX-M12-4H8
	Part-No.	491005
<b>Description</b>		
	M12 Actuator sensor boxes IP 68 with LED indication 4-way, 8-way / 4-pole + PE, wireable	
<b>Technical data</b>		
Nominal voltage	DC 24 V	
Nominal voltage range	10 – 30	
Rated current	max. 2A per channel	
Amperage range	max. total: 10A with single power supply, 2 × 8A with dual power supply	
Number of terminations	4-pole + PE	
Slots	8-way	
Status Indication	Supply: 2 × LED green, I/O: each 1 × LED yellow	
Current Consumption per LED	< 10 mA / LED	
Coding	A	
Contact resistance	< 5 mΩ	
<b>General</b>		
Form	M12 × 1, connector	
Rated insulation voltage (EN 50178)	32 V	
Test voltage	1.0 kV	

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## Technical data sheet - Actuator sensor interface

Pollution degree	3
Insulation resistance	$> 10^9 \Omega$
Contact resistance	$< 5 \text{ m}\Omega$
Class of flammability according to UL 94	V0
Protection class	68, in screwed condition
Housing material	PBT grey
Contact material	CuZn, gold-plated
Thread material	CuSn nickel plated
Gasket	Viton
Cable diameter	6 – 12 mm
Storage temperature range	-40 °C – 90 °C
Operation temperature range	-20 °C – 80 °C
Temperature range cable fixed	-40 °C – 80 °C
Temperature range cable moving	-5 °C – 80 °C
Class of flammability according to UL 94	V0
Dimensions (w × h × d)	60.0 × 41.5 × 152.0 mm
Weight (kg/piece)	0.280
Termination	Screw terminal: 0,08 – 1.5 mm <sup>2</sup>
Approvals	cURus
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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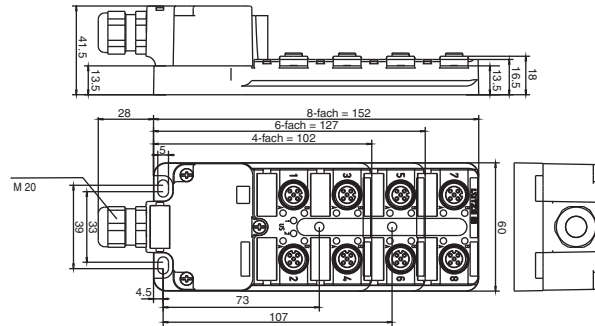
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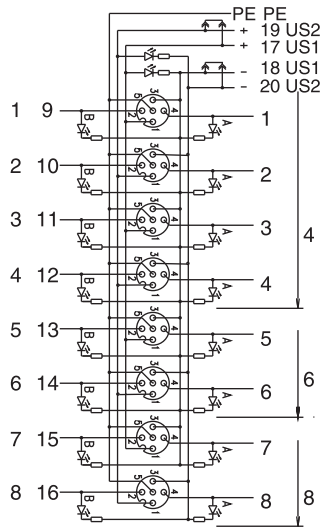
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# Technical data sheet • Actuator sensor interface

## Dimensions



## PIN assignment



## Logo



## Accessories

Accessories	Article number	Type	PU
protective cover M12	499994	SK M12	50
T-junction M12 on 2 × M12	490026	T-connector M12/ M12	10
T-junction M12 on 2 × M8	490038	T-connector M12/ M8	10
Cable for 491003	110872	3G1.0 8×0.34	
Cable for 491005	110874	3G1.0 16×0.34	

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