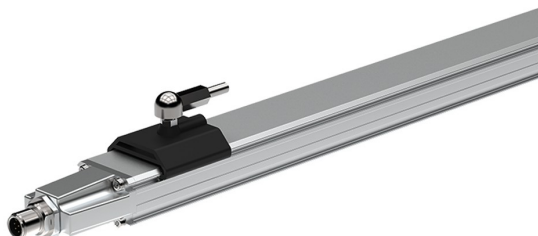


Linear-Transducer LMPS34 - A



Ref.: K-LMPS34-A-1

03.09.2019

0102011034

Advantages

- Adjustment via set-input
- Further interfaces available
- Measures linear movements
- Profile housing
- Simple integration

General Data

Supply	
- Supply voltage	24 VDC, -20...+10 %
Current consumption no load	<= 100 mA
Measuring principle	magnetostrictive
Measuring length, standard	50...3000 mm
Linearity deviation	<= ± 0.015 % FS (min ± 50 µm)
Reproducibility	<= ± 0.005 % FS (min ± 10 µm)
Characteristics - Validity	using original TR Magnets
Straight line velocity	no restrictions
Mounting position	no restrictions
Material - Measuring body	Aluminium extruded profile
Magnet	Slider
	other on request
Analog - Interface	
- Voltage/Current	Factory setting
- Resolution	12 Bit D/A converter
- Voltage output	0...+10 VDC
- Load resistance (U)	>= 1 kOhm
- Current output	4...20 mA
- Load resistance (I)	<= 500 Ohm
- other output level	on request

Subject to change.

Linear-Transducer LMPS34 - A

Ref.: K-LMPS34-A-1

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General Data continuation

Cycle time internal, ≤ 1.00 m	0.50 ms
Cycle time internal, ≤ 1.50 m	0.75 ms
Cycle time internal, ≤ 2.00 m	1.00 ms
Cycle time internal, ≤ 3.00 m	1.50 ms
External inputs	
- Set-Input 1	Analog initial and end point
- Logic level	"0" < +2V, "1" = Supply
- Function, see Link	www.tr-electronic.de/f/Doc-No.
- Function, see Link	Doc-No.: TR-ELA-BA-DGB-0025

Environmental conditions

Vibration	DIN EN 60068-2-6
- Specific value	≤ 100 m/s ²
- Sine	50...2000 Hz
Shock	DIN EN 60068-2-27
- Specific value	≤ 1000 m/s ²
- Half sine	11 ms
Immunity to disturbance	DIN EN 61000-6-2
Transient emissions	DIN EN 61000-6-3
Working temperature	
- Standard	-40...+80 °C
Storage temperature, dry	-40...+85 °C
Relative humidity	98 %, non condensing
Protection class	
- Standard	IP67

Subject to change.

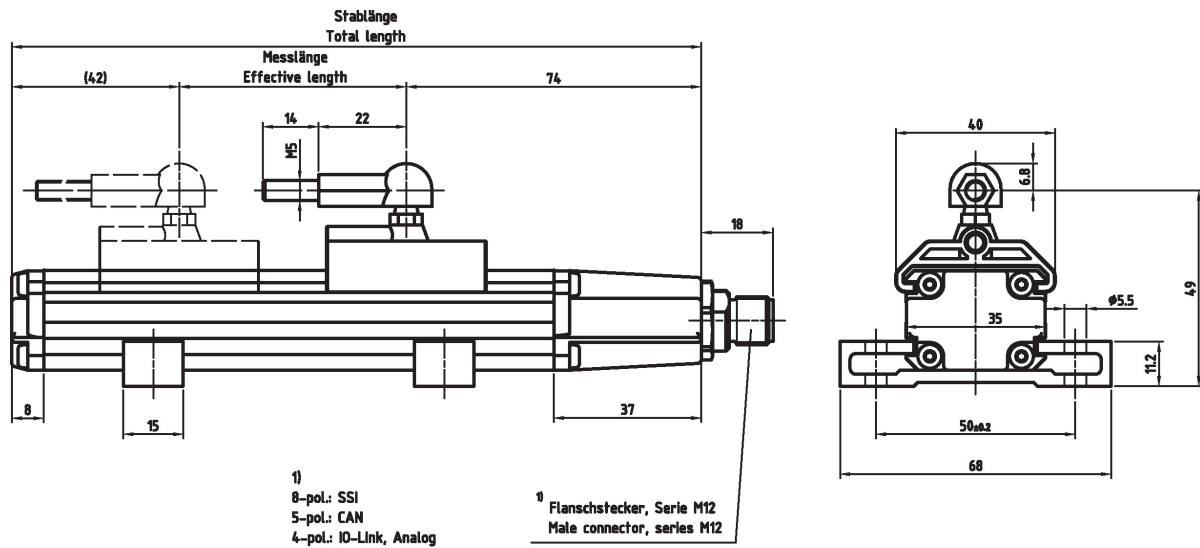
Linear-Transducer LMPS34 - A

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Dimensional drawing



Subject to change.

Linear-Transducer LMPS34 - A

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Suggested products

LMPS_34*200 ANALOG	345-00005
LMPS_34*300 ANALOG	345-00015

Subject to change.