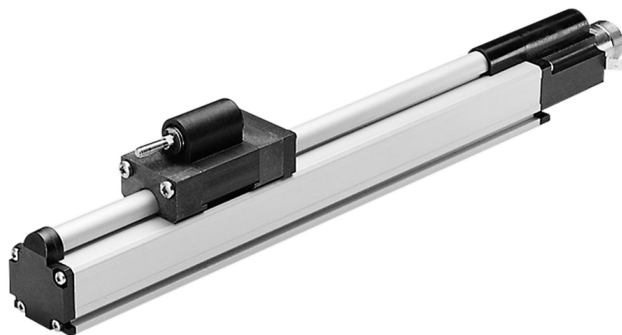


Linear-Transducer LP38 - Start/Stop



Ref.: K-LP38-SS-1

14.11.2013

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Advantages

- Customer-specific solutions
- Further interfaces available
- Measures linear movements
- Profile housing
- Simple integration
- Wear-free detection

General Data

Supply	
- Supply voltage	15...27 VDC
- Optional	± 15 VDC
- Optional	24 VDC
Current consumption no load	≤ 100 mA
Measuring principle	magnetostrictive
Measuring length, standard	150...3000 mm, in steps
Resolution	according to evaluation unit
Linearity deviation	< 0.05 %
Reproducibility	0.01 mm
Hysteresis	0.1 mm
Temperature coefficient	< 8 µm/°C ≤ 500 mm
	< 15 ppm/°C > 500 mm
Straight line velocity	no restrictions
Mounting position	no restrictions
Material - Measuring body	Aluminium extruded profile
Magnet	T4-U3820
	other on request
Start-Stop - Interface	
- Cable length, TTL	≤ 15 m
- Cable length, RS-422	≤ 500 m

Subject to change.

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Ref.: K-LP38-SS-1

14.11.2013

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General Data continuation

- External evaluation unit	TR-Modules, e.g. AK-8
- External evaluation unit	SIEMENS IP 241
- External evaluation unit	PHILIPS 9404 4620 0301
- External evaluation unit	Bernecker + Rainer
- External evaluation unit	Harms and Wende
Cycle time, internal	see dimensional drawing
External inputs	
- Start-Signal, TTL	High active, 470 Ohm
- Start-Signal, RS422	Differential input
External outputs	
- Stop-Signal, TTL	High active, 220 Ohm
- Stop-Signal, RS422	Differential output

Environmental conditions

Vibration	
- Specific value	$\leq 100 \text{ m/s}^2$
- Sine	50...2000 Hz
Shock	
- Specific value	$\leq 1000 \text{ m/s}^2$
- Half sine	11 ms
Immunity to disturbance	DIN EN 61000-6-2
Transient emissions	DIN EN 61000-6-3
Working temperature	
- Standard	0...+70 °C
- Optional	-20...+70 °C;
Storage temperature, dry	-30...+85 °C
Relative humidity	98 %, non condensing
Protection class	
- Standard	IP65
Stray magnetic field	< 3 mT
Measuring reference	Measuring plane

Subject to change.

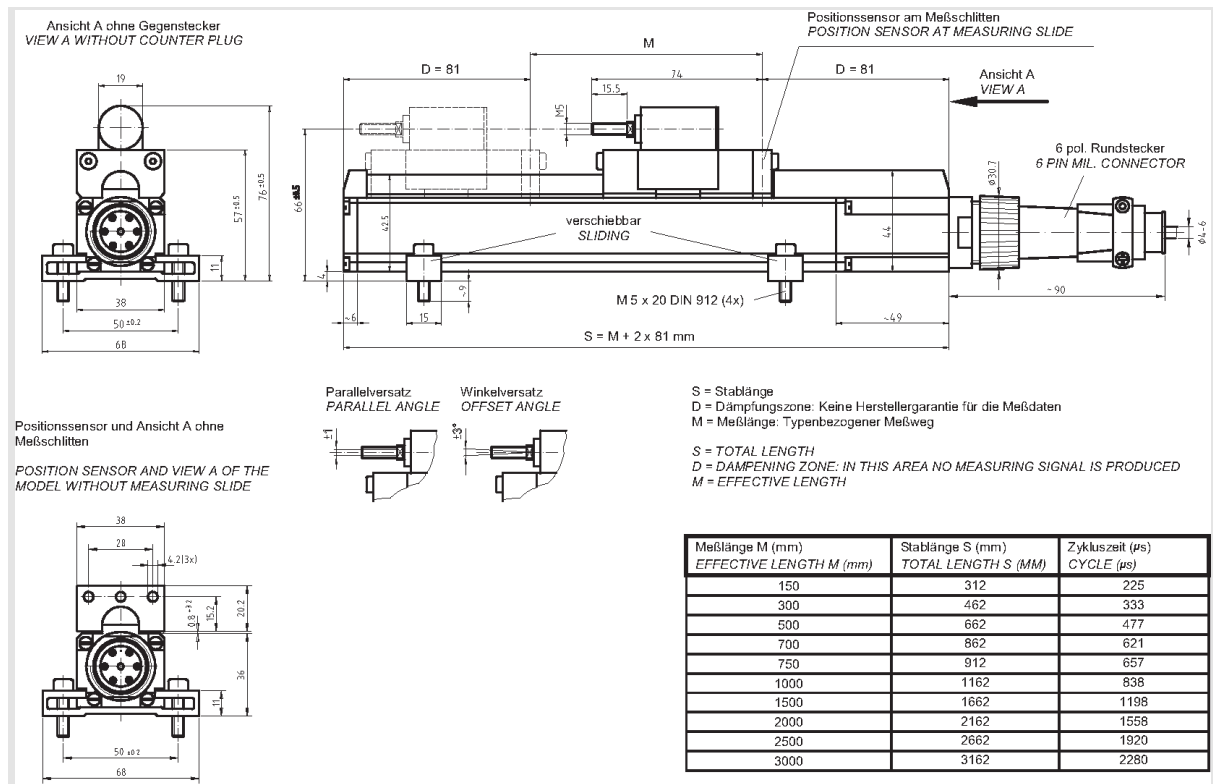
Linear-Transducer LP38 - Start/Stop

Ref.: K-LP38-SS-1

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Dimensional drawing



Subject to change.