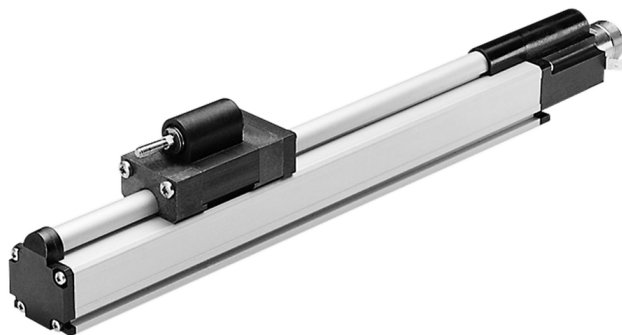


Linear-Transducer LP38 - CO



Ref.: K-LP38-CO-1

14.11.2013

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Advantages

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

General Data

Supply	
- Supply voltage	24 VDC, -20...+10 %
Current consumption no load	<= 250 mA
Measuring principle	magnetostrictive
Measuring length, standard	150...3000 mm, in steps
Resolution	0.01 mm
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
CANopen - Interface	
- CANopen	EN 50325-4
- Bus connection	ISO 11898-1, ISO 11898-2
- CAN Specification 2.0 A	11-Bit Identifier
- Device-Profile for Encoder	CiA DS406

Subject to change.

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Ref.: K-LP38-CO-1

14.11.2013

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General Data continuation

Transmission rate	
- Specific value	20, 125, 500, 1000 kbit/s
- Adjustability	by means of DIP-switches
Parameter/Function, changeable	Resolution
	Preset parameter
	Counting direction
Type of parametrization	programmable
Programming - Tool	Fieldbus-Device
Cycle time, internal	see dimensional drawing
Optional Magnets	
- Number of magnets	16
- Magnet - Minimum distance	50 mm

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	IP43
Stray magnetic field	$< 3 \text{ mT}$
Measuring reference	Measuring plane

Subject to change.

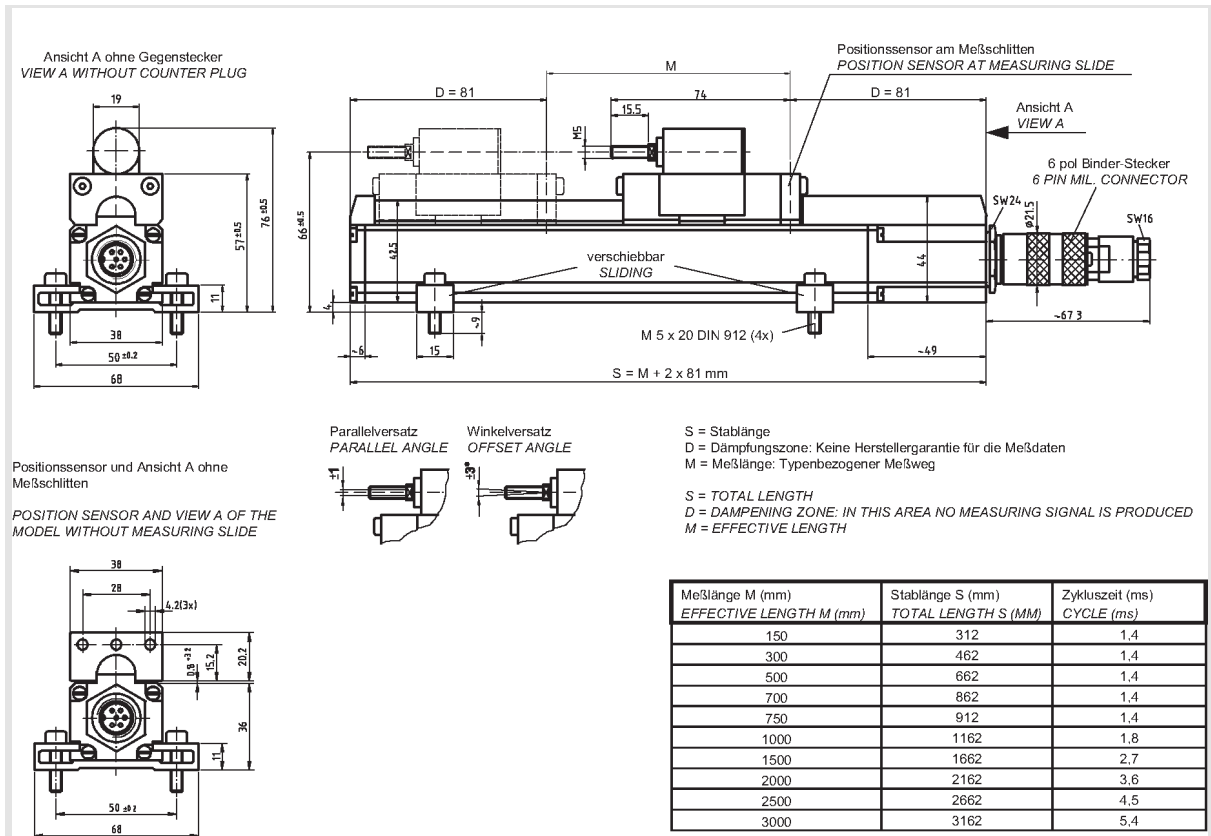
Linear-Transducer LP38 - CO

Ref.: K-LP38-CO-1

14.11.2013

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Dimensional drawing



Subject to change.