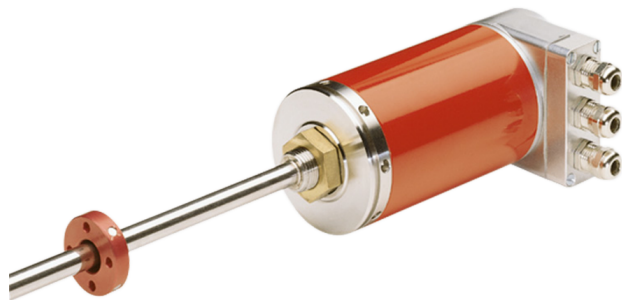


Linear-Transducer LA66K - LWL



Ref.: K-LA66-LWL-1

18.11.2013

0102010060

Advantages

- _ Flexible programming
- _ Measures linear movements
- _ Perfect fit for cylinders
- _ Pressure proof tube housing
- _ Wear-free detection

General Data

Supply	
- Supply voltage	24 VDC, -20...+10 %
Current consumption no load	<= 300 mA
Measuring principle	magnetostrictive
Measuring length, standard	150...3000 mm, in steps
Resolution	0.01 mm
Output capacity	<= 20 Bit
Linearity deviation	< 0.05 %
Reproducibility	0.01 mm
Hysteresis	0.1 mm
Temperature coefficient	< 8 $\mu\text{m}/^\circ\text{C}$ <= 500 mm < 15 ppm/ $^\circ\text{C}$ > 500 mm
Straight line velocity	no restrictions
Mounting position	no restrictions
Material - Measuring body	Cr/Ni - alloy
Rod end mounting	Option
Magnet	T3-U64, Option T4-M33, Standard
LWL - Interface	
- Transmission media	Plastic or glass
- Cable Length, glass	600 m

Subject to change.

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General Data continuation

- Cable Length, plastic	45 m, bending radius \geq 30 mm
- LWL	Fiber optics
- Programming via LWL	PC - Central-Module
- Programming via LWL	SIMATIC-S5 - Central-Module
- Programming via LWL	VMEbus
- Programming via LWL	SMP-Bus, on request
Transmission rate	
- Specific value	2.5 MBit/s
Parameter/Function, changeable	Resolution
	Preset parameter
	Counting direction
Type of parametrization	programmable
Programming - Tool	Fieldbus-Device
Cycle time, internal	see dimensional drawing

Environmental conditions

Vibration	
- Specific value	\leq 100 m/s ²
- Sine	50...2000 Hz
Shock	
- Specific value	\leq 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	0...+70 °C
- Optional	-20...+70 °C;
Storage temperature, dry	-30...+80 °C
Relative humidity	98 %, non condensing
Protection class	
- Standard	IP65
Stray magnetic field	< 3 mT
Measuring reference	Measuring plane
Pressure resistance	
- Optional	600 bar, static

Subject to change.

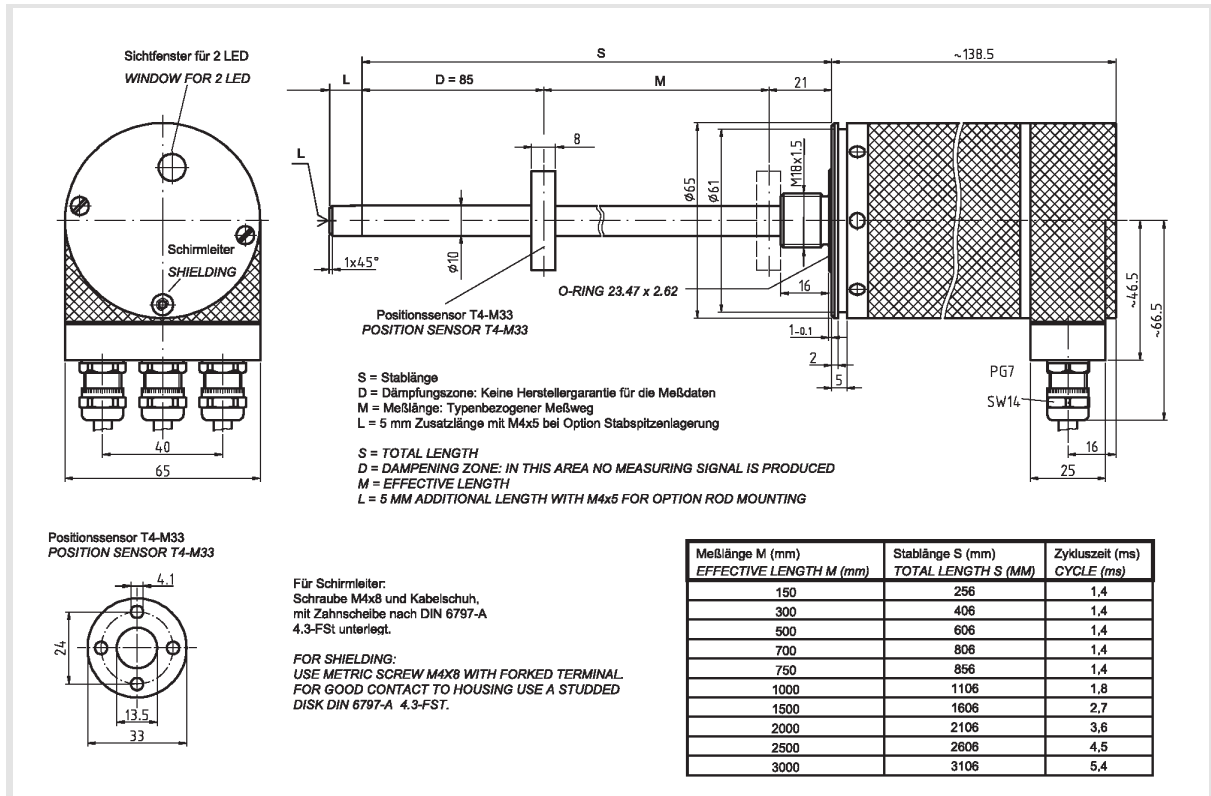
Linear-Transducer LA66K - LWL

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Dimensional drawing



Subject to change.