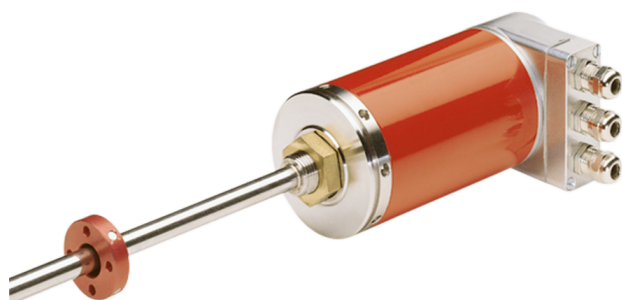


Linear-Transducer LA66K - FIPIO



Ref.: K-LA66-FIP-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	<= 250 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	< 40 ppm/°C
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
FIPIO - Interface	
- Data transmission	2-wire
- FIPIO Device-Profile	Simple Device Profile, FSD
- Type	Compact Device, C

Subject to change.

TR-Electronic GmbH
 Eglishalde 6
 78647 Trossingen
 Tel. +49 (0) 7425 228-0
 info@tr-electronic.de
www.tr-electronic.de

Linear-Transducer LA66K - FIPIO

Ref.: K-LA66-FIP-1

18.11.2013

0102010060

General Data continuation

- I/O-Mapping	8 Words IN/OUT
Transmission rate	
- Specific value	according to FIPIO Standard
Parameter/Function, changeable	Resolution
	Movement status signal
	Limit switch
	CAM parameter
	Preset parameter
	Counting direction
Type of parametrization	programmable
Programming - Tool	Fieldbus-Device
Cycle time, internal	see dimensional drawing

Environmental conditions

Vibration	
- Specific value	$\leq 100 \text{ m/s}^2$
- 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...+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.

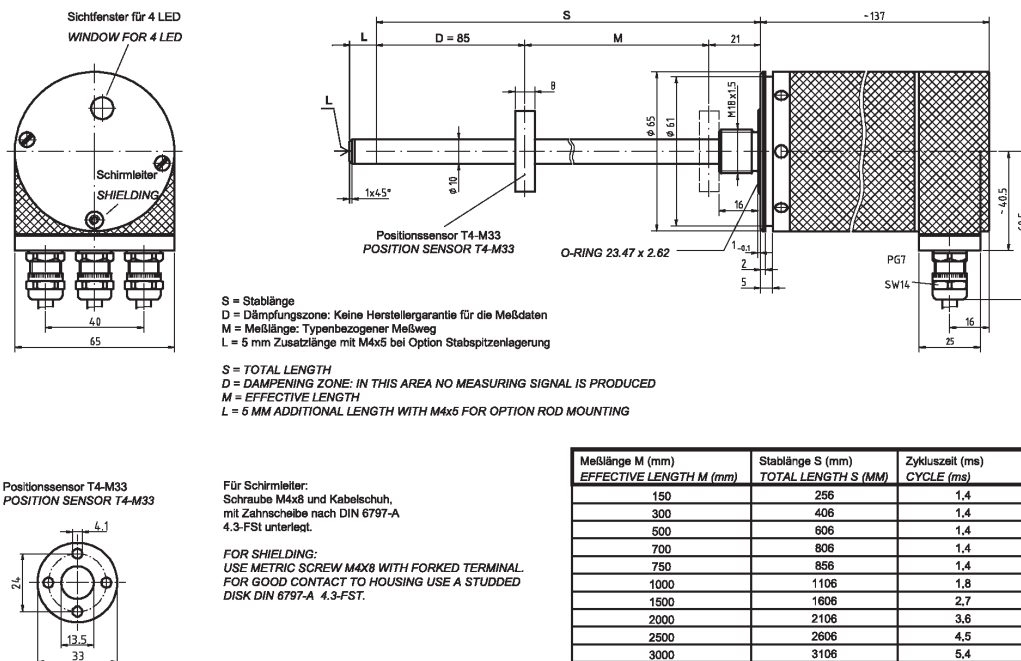
Linear-Transducer LA66K - FIPIO

Ref.: K-LA66-FIP-1

18.11.2013

0102010060

Dimensional drawing



Subject to change.