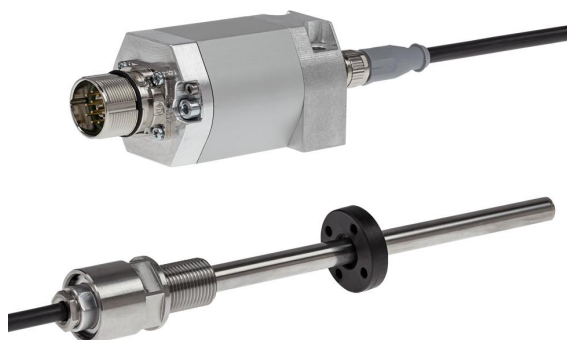


Linear-Transducer LMRB27 - SSI



Ref.: K-LMRB27-SSI-1

14.10.2021

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Advantages

- Customer-specific solutions
- Flexible programming
- Further interfaces available
- Measures linear movements
- Perfect fit for cylinders
- Position value - Adjustment
- Pressure proof tube housing
- Remote interface
- Wear-free detection

General Data

Supply	
- Supply voltage	24 VDC, -20...+10 %
Current consumption no load	<= 100 mA
Measuring principle	magnetostrictive
Measuring length, standard	50...2000 mm, in steps
Resolution	0.1 mm
Linearity deviation	± 0.20 mm <= 2000 mm
Reproducibility	0.1 mm
Hysteresis	0.1 mm <= 2000 mm
Characteristics - Validity	using original TR Magnets
Temperature coefficient	< 8 µm/°C <= 500 mm
	< 15 ppm/°C FS > 500 mm
- FS:	Full-Scale
Straight line velocity	no restrictions
Mounting position	no restrictions

Subject to change.

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 Eglisshalde 6
 78647 Trossingen
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 info@tr-electronic.de
www.tr-electronic.de

Linear-Transducer LMRB27 - SSI

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General Data continuation

Rod end mounting	Option
Magnet	T4-M33
	other on request
SSI - Interface	
- SSI-Clock input	Optocoupler
- SSI-Data output	RS-422, 2-wire
- SSI-Clock frequency	95...1000 kHz
- SSI-Mono time, typically	20 µs
Parameter/Function, changeable	Resolution
	Output code
	Output format
	Error signal
	Preset parameter
	Synchronization
	Counting direction
Type of parametrization	programmable
Programming - Tool	TR-Soft: TRWinProg
Cycle time internal, <= 2.00 m	2.00 ms
External inputs	
- F/R	Count direction
- Preset	electronic adjustment
- Logic level	"0" < +2V, "1" = Supply

Environmental conditions

Vibration	DIN EN 60068-2-6
- Specific value	<= 100 m/s ²
- Sine	50...2000 Hz
- Sine	Resonance frequencies excluded
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	0...+70 °C
- Optional	-20...+70 °C;

Subject to change.

Linear-Transducer LMRB27 - SSI

Ref.: K-LMRB27-SSI-1

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Environmental conditions continuation

Storage temperature, dry	-30...+85 °C
Relative humidity	98 %, non condensing
Protection class - Standard	IP65
Stray magnetic field	DIN EN 61000-4-8, Test Level 4
Measuring reference	Measuring plane
Pressure resistance - Static	PN = 600 bar

Subject to change.

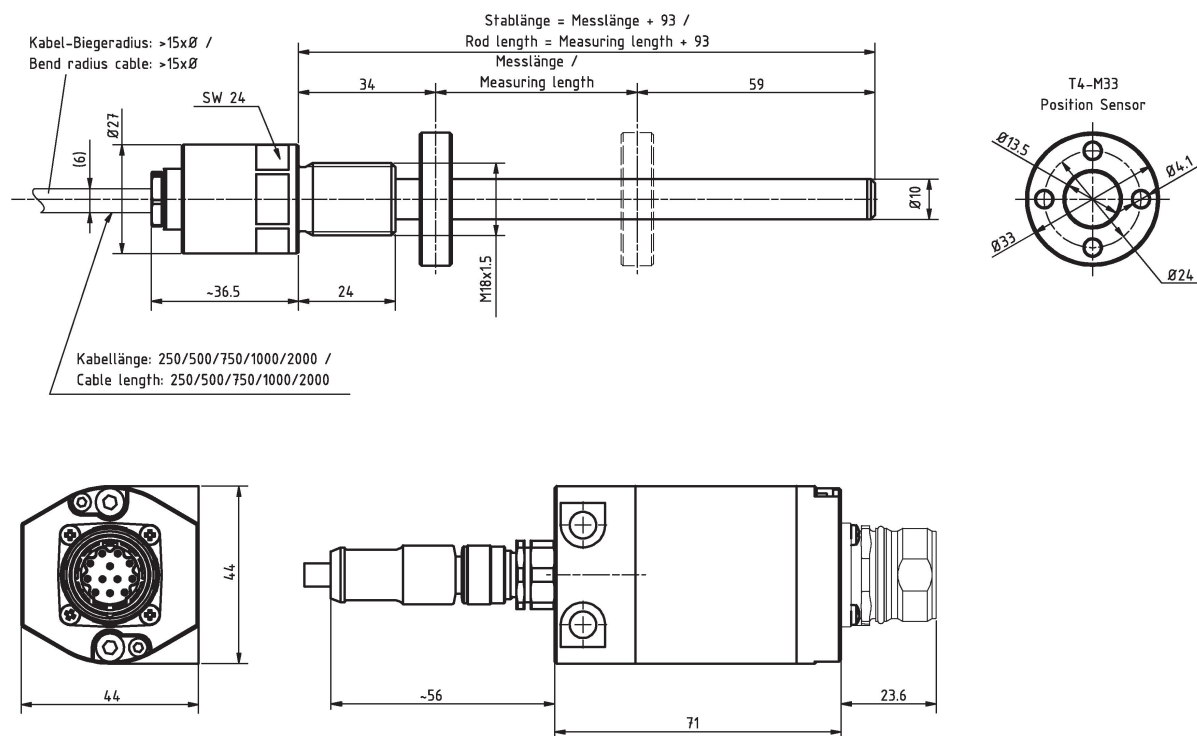
Linear-Transducer LMRB27 - SSI

Ref.: K-LMRB27-SSI-1

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Dimensional drawing



Fehlende Abmaße, siehe Art-Nr.-bezogene Zeichnung /
Missing dimensions, see Art-No. related drawing

Subject to change.