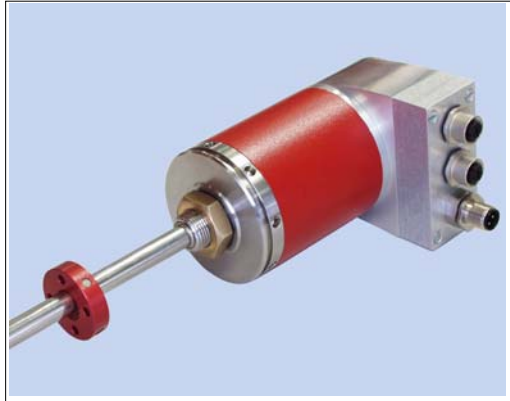


Linear-transducer LA-66-K EtherCAT



- **Suitable for a direct installation in hydraulic cylinders**
- **Non-contact and wear free measurement System**
- **Adjustable measuring range**
- **EtherCAT-interface**
- **Easy mounting**
- **Customizations upon request**

Characteristics

Measuring principle	magnetostrictive
Measuring length	50 mm – 2000 mm > 2000mm upon request, in Steps of 50 mm
Resolution	max. 0,005 mm
Linearity deviation - related to the measuring length	±0,1mm to 1.000mm / ±0,15mm > 1.000mm
Repeatability	≤ 0,005 mm
Hysteresis	≤ 0,02 mm
Temperature coefficient	< 5 µm / °C
Magnet velocity and mounting position	no restriction
Material - measuring body.....	Cr/Ni - alloy
Magnet	T4-M33, other upon request
Operating voltage.....	24 VDC -20%, +10 %
Power consumption (without load)	< 4 Watt
Data protocol.....	EtherCat (Ethernet for control automation technology)
Output code.....	binary
Baudrate.....	100 Mbit
Cycle time	≤ 0,5 m measuring length 0,50 ms
(internal)	≤ 1,0 m measuring length 1,00 ms
	≤ 2,0 m measuring length 1,50 ms
EtherCAT bus cycle time.....	1ms, 500µs, 250µs shorter bus cycles aren't supported.
Programmable via RS 485	IBM PC compatible TRWinProg
Resolution	
Adjustment	
Rod end mounting.....	option
Connection	2 x Binder M12-socket, 1 x Binder M12 pin for power supply, others upon request

