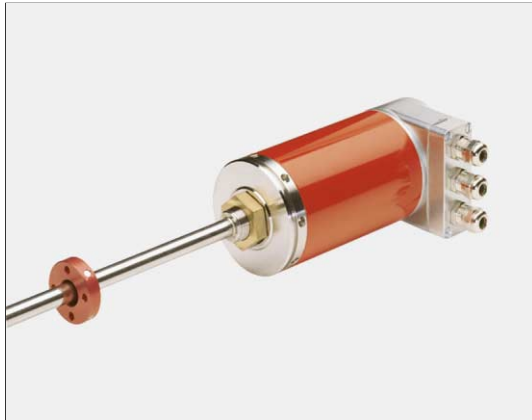


## Linear-Encoder LA-66-K FIPIO



- **High Pressure Type, Makes it Possible for Installation into Hydraulic Cylinders**
- **For Linear Measurement**
- **Non Contact and Wear Free**
- **Programmable via FIPIO**
- **FIPIO Interface**

### Electrical Data

Measurement Principle.....	Magnetostrictive
Measuring Length (Stroke) Standard (mm) .....	150, 300, 500, 700, 750, 1000, 1500, 2000, 2500, 3000 > 3000 by request
Sensor Capacity .....	max. 20 Bit
* Resolution .....	max. 0.01 mm
Operating Voltage.....	19-27 V DC
Power Dissipation (No Load).....	< 4 Watt
Programmable via FIPIO .....	FIPIO / FSD C8
Output Code.....	Binary
Baud Rate .....	following FIPIO standards
Station Adress.....	1-127
Programmable Parameters via FIPIO	
- Direction of counting	
- Measuring length in steps	
- Preset adjustment	
- Up / Down	
- Limit switches	
- Cams	
Cycle Time .....	See Dimensional Drawing
Pin Configuration.....	Upon Request

### Environmental Data

Electromagnetic compatibility (EMC).....	EN 61000-4-2 (IEC-801-2) / EN 61000-4-4 (IEC-801-4)
Operating Temperature .....	0°-70°C (32° to 158° F) (Optional -20° to +70°C) (-4° to 158° F)
Storage Temperature .....	-30° to +80°C (-22° to 178° F)
Relative Humidity.....	98 % (non condensing)
*Protection Class.....	IP 65 (DIN 40 050)
* The protection class of the sensor can be effected by the type of cable used.	

### Mechanical Data

Linearity .....	< 0.05 % of Measuring Length
Repeatability .....	≤ 0.01 mm
Hysteresis .....	< 0.1 mm
Temperature Coefficient .....	< 30 ppm / °C
Vibration (Sinus 50-2000 Hz)	
per DIN IEC 68-2-6.....	≤ 100 m/s <sup>2</sup> (10g)
Shock (11ms) per DIN IEC 68-2-27 .....	≤ 1000 m/s <sup>2</sup> (100g)
Pressure Resistance (Option) .....	600 bar
Rod Material.....	Cr/Ni-Mixture
Magnetic Field.....	< 3 mT (mili Tesla)
Operating Speed and Mounting Orientation.....	No restrictions
Magnet Type (Standard) .....	T4-M33
Magnet Type( Option).....	T3-U64
Rod Mounting .....	Option
Mechanical Special Types .....	Upon Request
Connector .....	3 x PG 7 radial mount

### Dimensional Drawing

