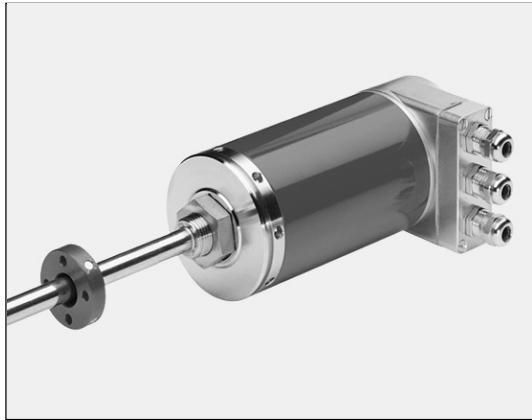


Linear-Encoder LA-66-K PROFIBUS (PNO)



- **High Pressure Type, Makes it Possible for Installation into Hydraulic Cylinders**
- **For Linear Measurement**
- **Non Contact and Wear Free**
- **Parametrizable via the PROFIBUS according PNO-Profile CLASS2**
- **PROFIBUS-DP 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
Output Code	Binary
Data Protocol	PROFIBUS-DP protocol according DIN E 19 245 T.3
Baud Rate.....	max. 12 Mbaud
Station Address	3 - 99, adjustable via BCD switches
Inputs	
* Forward / Reverse.....	Change count direction
* Preset	Adjust absolute position to a given value (i.e. zero set)
Logic Levels	"0" < + 2 V DC, "1" > + 8 V DC, max. 30 V DC
Cycle Time.....	See Dimensional Drawing
Pin Configuration	Upon Request
* Programmable Parameters	

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	< 5 µm / °C
Vibration (Sinus 50-2000 Hz)	
per DIN IEC 68-2-6	≤ 100 m/s ² (10g)
Shock (11ms) per DIN IEC 68-2-27	≤ 1000 m/s ² (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	1 x PG 7, 2 x PG 7 / 9 radial mount

Dimensional Drawing

