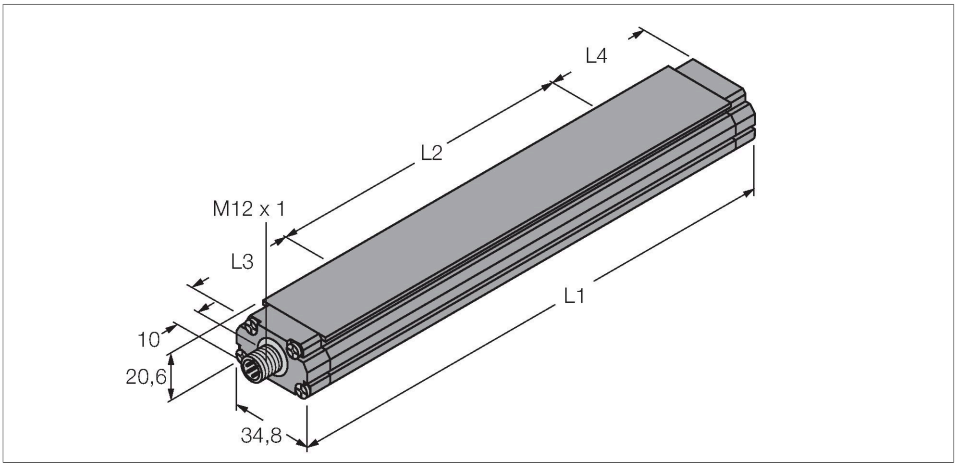
LT36E-Q21-LU6X3-H1141/S1661
Magnetically actuated linear position sensor



Technical data

Type	LT36E-Q21-LU6X3-H1141/S1661
ID	LT0473
Measuring principle	Magnetostrictive
General data	
Measuring range	914.4 mm
Repeat accuracy	≤ 0.01 % of full scale
Electrical data	
No-load current	≤ 80 mA
Short-circuit protection	yes/Cyclic
Wire break/reverse polarity protection	yes (voltage supply)
Output function	4-wire, Analog output
Voltage output	-5…5 V
Mechanical data	
Design	Profile, Q21
Dimensions	1028.7 x 34.8 mm
Housing material	Metal, AL, M12 × 1
Electrical connection	Connector, M12 × 1
Environmental conditions	
Ambient temperature	-40…+70 °C
Vibration resistance	20 Hz (1 mm)
Shock resistance	40 g (11 ms)
Protection class	IP67

Features

- EZ-Track Linear Displacement Transducer
- High repeatability
- Extremely high linearity

Functional principle

Magnetostrictive linear position sensors with analog output provide a signal that is proportional to the travel distance. Simple control tasks can thus be accomplished. These sensors feature an excellent repeat accuracy, resolution and linearity.
Due to their extremely robust design, they are especially suited for industrial applications. They also excel in their high electromagnetic compatibility and stability over a wide temperature range. The sensors operate on the non-contact function principle and are thus wear and maintenance free.