

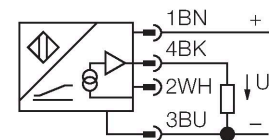
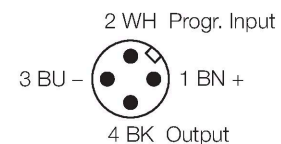
LT32E-Q21-LU0X3-H1141/S1661

EZ-Track Linear Displacement Transducer

Features

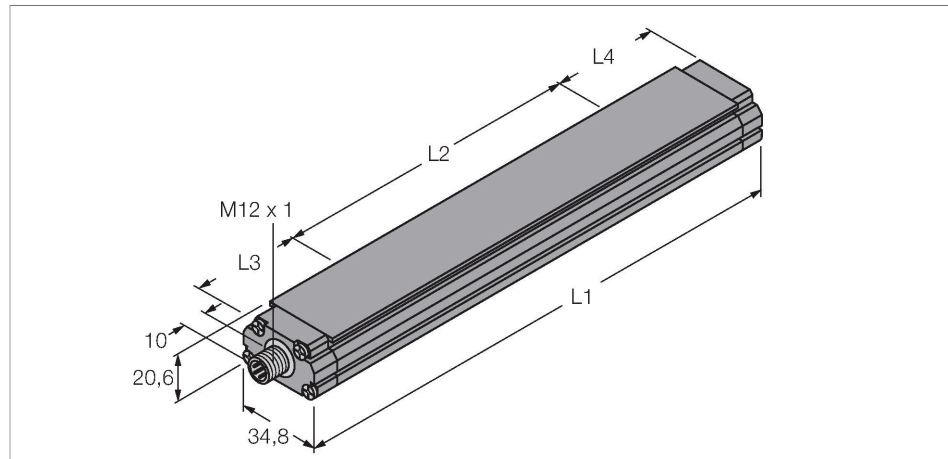
- EZ-Track Linear Displacement Transducer
- High repeatability
- Extremely high linearity
- Programmable measuring range
- Invertible output signal
- Analog output 0...10 VDC
- Male connector M12 x 1

Wiring diagram



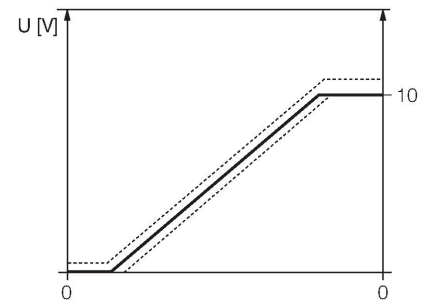
Functional principle

Magnetostriptive 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.



Technical data

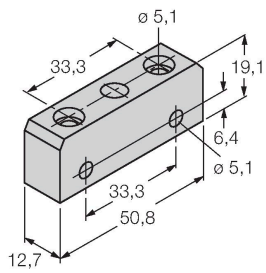
Type	LT32E-Q21-LU0X3-H1141/S1661
ID	100046775
Measuring principle	Magnetostriuctive
General data	
Resolution	12 bit
Blind zone connector end L3	76.2 mm
Repeat accuracy	≤ 0.01 % of full scale
Electrical data	
Operating voltage U_s	10...30 VDC
No-load current	≤ 80 mA
Short-circuit protection	yes/Cyclic
Wire break/reverse polarity protection	yes (voltage supply)
Output function	5-wire, Analog output
Voltage output	0...10 V
Mechanical data	
Design	Profile, Q21
Dimensions	34.8 mm
Housing material	AL, M12 x 1
Electrical connection	Connector, M12 x 1
Environmental conditions	
Vibration resistance	20 Hz (1 mm)
Shock resistance	40 g (11 ms)
Protection class	IP68



Accessories

FM-Q21

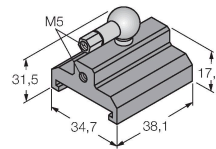
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Floating positioning element; this can be installed up to 9 mm away from the sensor

SM-Q21

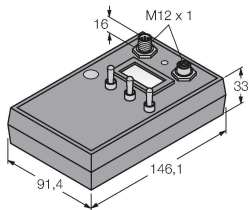
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Guided positioning element; this is inserted in the groove of the sensor

TB3LIU

6900298



Test and programming device for commissioning and testing the sensor, the measuring range of the standard version can be programmed with this device