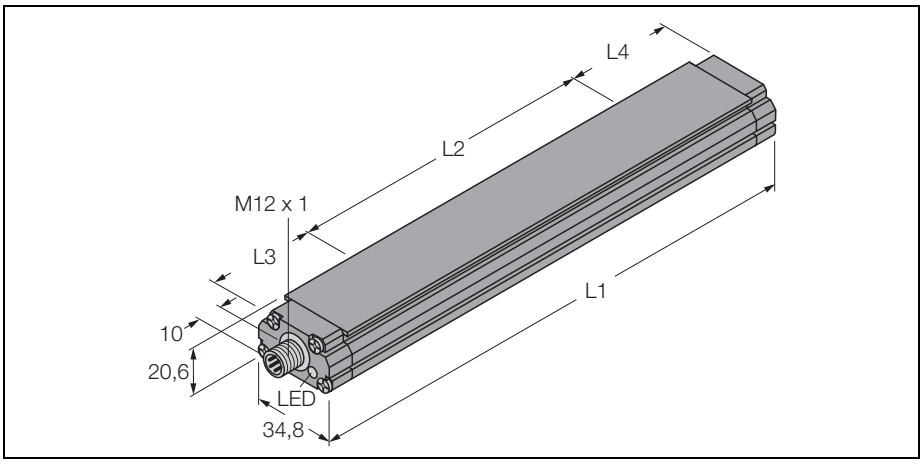
Linear position sensor
Current output
LT1600M-Q21-LIOX3-H1141

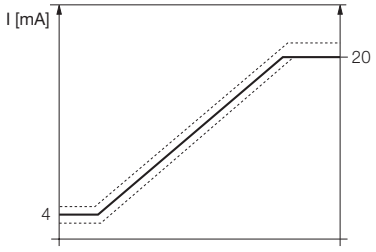


- **rectangular, 20,6 mm high**
- **metal, aluminium**
- **4-wire, 10...30 VDC**
- **programmable measuring length**
- **invertible output signal**
- **current output 4...20 mA**
- **connector, M12 x 1**

Type	LT1600M-Q21-LIOX3-H1141
Ident-No.	1539051
Measuring range L2	1600 mm
Resolution	0,1 %
Linearity	0,05 %
	* des Messweges
Messwertrate	2 ms
Operating temperature	-40 ...+ 70 °C
Blind zone connector end	76,2 mm
Blind zone non-connector end	38,1 mm
Current consumption	35 mA at 30 VDC 80 mA at 10 VDC mA
Output function	4-wire, analogue output
Short-circuit protection	yes, cyclic
Current output	4... 20 mA, invertible
Lastwiderstand Stromausgang	$(U_b$ - 4) V / 20 mA, e.g.:
	(10 - 4) V / 20 mA = 300 Ω
Switching status indication	3 colour LED green / yellow / red
Output	analog
Degree of protection	IP67
Housing style	rectangular
Dimensions (L1 x B x H)	1714,3 x 34,8 mm
Vibration resistance	20 Hz (1 mm)
Shock resistance	40 x g (11 ms)

Function principles

Magnetostrictive linear position sensors with analogue output provide a signal that is proportional to the travel distance. Simple control tasks can thus be accomplished. These sensors feature an exellent 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.



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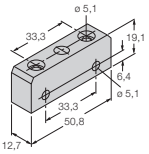
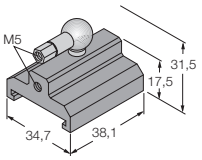
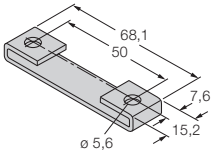
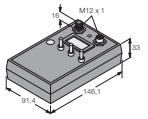
Accessories

Typ	Ident-No.	Description	Dimension drawing
FM-Q21	6900244	the floating positioning magnet may be installed 9 mm away from the sensor.	
SM-Q21	6900295	the guided positioning magnet is inserted into the guide of sensor.	
MB-Q21	6900246	the fixing clamp is used for convenient sensor mounting.	
TB3LIU	6900298	the test and programming device is used for sensor set-up and testing The measuring range of the standard version can be programmed via this device. Further information on its functionality is contained in the instruction manual of the device.	

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