Linear position sensor
Current output
LT700M-Q21-LC-LIO-H1141
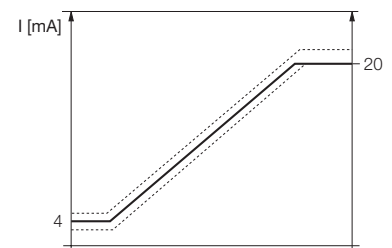
TURCK
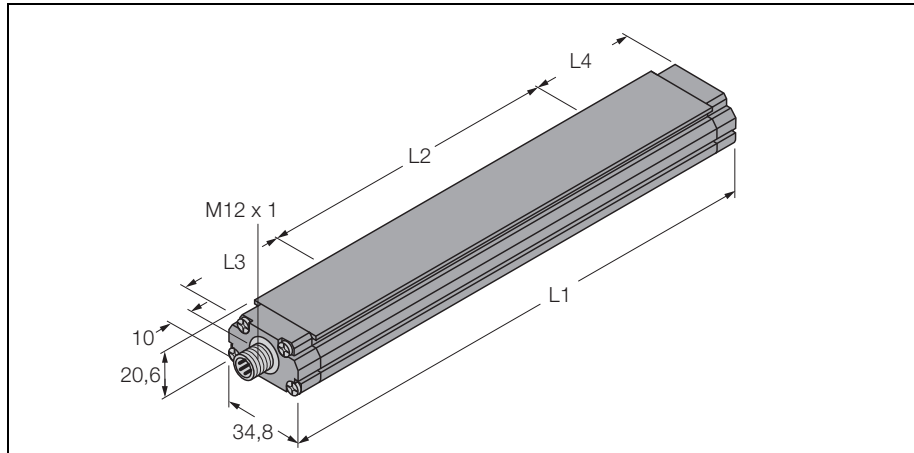
- ● **rectangular, 20,6 mm high**
- ● **metal, aluminium**
- ● **3-wire, 19,2...28,8 VDC**
- ● **programmable measuring length**
- ● **invertible output signal**
- ● **current output 4...20 mA**
- ● **connector, M12 x 1**

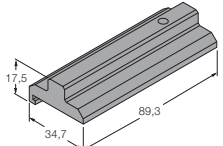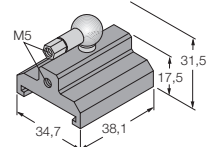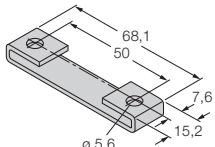|	
Type	LT700M-Q21-LC-LIO-H1141
Ident-No.	1539231
Measuring range L2	700 mm
Resolution	0,1 %
Linearity	0,05 %
	* des Messweges
Messwertrate	2 ms
Operating temperature	-40 ...+ 70 °C
Blind zone connector end	76,2 mm
Blind zone non-connector end	38,1 mm
Rated operational voltage (DC) U_B	19,2... 28,8 VDC
Output function	3-wire, analogue output
Short-circuit protection	yes, cyclic
Lastwiderstand Stromausgang	$(U_b - 4)$ V / 20 mA, e.g.:
	$(10 - 4)$ V / 20 mA = 300 Ω
Output	analog
Degree of protection	IP67
Housing style	rectangular
Dimensions (L1 x B x H)	814,3 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.

Accessories

Typ	Ident-No.	Description	Dimension drawing
PM-Q21	6900254	programming magnet this is used to program the measuring range of the LC versions	
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.	