



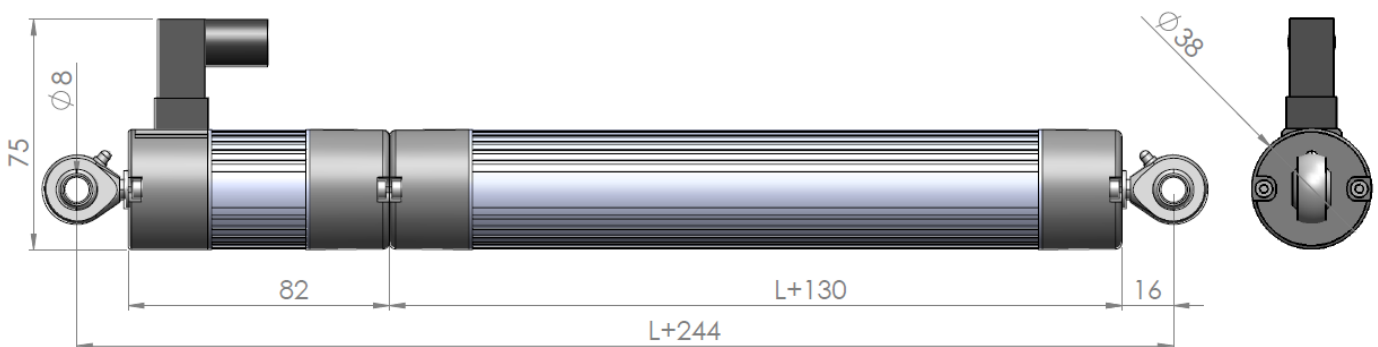
- Measuring lengths up to 1000mm
- Twin bearing actuating rod
- Encoder signal output
- TTL or Push-Pull signal outputs
- Resolutions starting from 5µm
- IP65 protection class
- 3 m/s high operating speed
- Long service life

The LTS series magnetic linear encoder systems make measurement digitally by incremental encoder system pulse logic as contactless. The biggest advantage of these encoders are that they are easy to mount and are not affected by the deflections, as they are double-sided.

It has different resolutions from 5µm to 100µm. Measuring lengths between 50 mm and 1000mm are available. They are non-worn because they are non-contact, mechanically have infinite lifetimes. They are resistant to vibration and impacts. They are not affected by bad environmental conditions and electrical noise.

They are used in many sectors such as metal, marble, plastic, textile, saw, packaging.

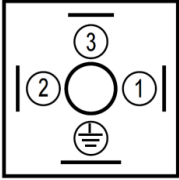
### Mechanical Dimensions



### Technical Specifications

<b>Measuring Distance</b>	Between 50 mm and 1000 mm		
<b>Resolution</b>	5µm, 10µm, 20µm, 25µm, 62.5µm, 80µm and 100µm		
<b>Output Signals</b>	For model with DIN 43650-Cconnector: A, B For model with cable: A, B, Z or A, /A, B, /B, Z, /Z		
<b>Electrical Interface</b>		<b>Supply</b>	<b>Output</b>
	<b>TTL</b>	5VDC	5 VDC TTL RS422 Line Driver
	<b>PP</b>	10...30VDC	10...30VDC Push-Pull
	<b>HTL</b>	10...30VDC	5 VDC TTL RS422 Line Driver
	<b>HPL</b>	5...30VDC	5...30VDC Push-Pull
<b>Operating temperature</b>	-20°C and +85°C		
<b>Electrical Connection</b>	DIN 43650-Cconnector or cable		
<b>Repeatability</b>	±1Pulse		
<b>Life</b>	Mechanically infinite		
<b>Housing Material</b>	Anodized aluminum		

## Electrical Connections



DIN 43650-C Connector	Signal
1	B
2	A
3	+Vcc
4	GND

Cable Color	Signal
YELLOW	A
WHITE	/B
RED	+Vcc
BLACK	0V
BLUE	/A
GREEN	B
GREY	/Z
PINK	Z
SHIELD	GROUND

## Order Details

### Model

LTS	-	XX	-	XXX	-	X	-	XXXX	-	XXX
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### Resolution

05: 05µm  
 10: 10µm  
 20: 20µm  
 25: 25µm  
 62,5: 62,5µm  
 80: 80µm  
 100: 100µm

### Supply and Output Signal

TTL : 5VDC Supply Voltage,  
 5 VDC TTL RS422 Line Driver Signal Output  
 PP : 10...30VDC Supply Voltage,  
 10...30VDC Push-Pull Signal Output  
 HTL: 10...30VDC Supply Voltage,  
 5 VDC TTL RS422 Line Driver Signal Output  
 HPL : 5...30VDC Supply Voltage,  
 5...30VDC Push-Pull Signal Output

### Measuring Distance

50 : 50 mm  
 1000 : 1000 mm

### Signal Output

2 : A, B  
 3 : A, B, Z  
 6 : A, /A, B, /B, Z, /Z  
 \*On model with DIN 43650-C connector,  
 only 2: A, B signal output is available

### Electrical Connection

No code: DIN43650-Cconnector  
 3M: 3 meters cable  
 \*Optionally different cable lengths