

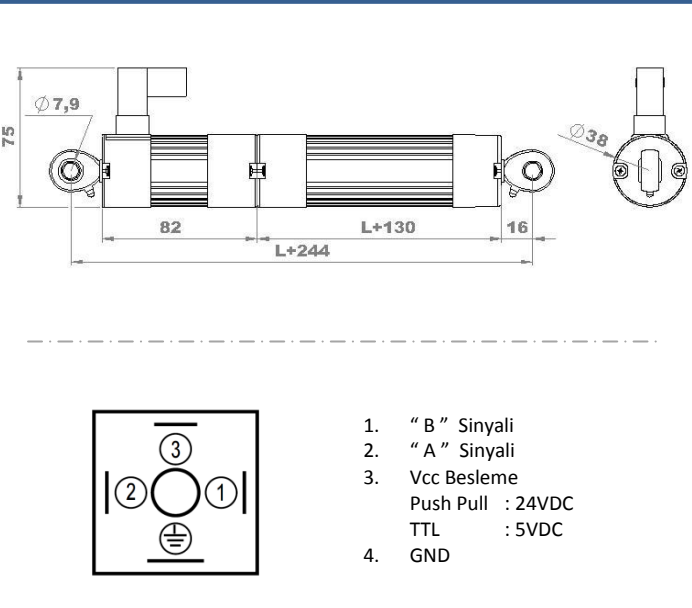


- Stroke Up to 750 mm
- Twin Bearing Actuating Rod
- Incremental Measurement of Displacement
- Push Pull or TTL Line Driver Output
- Resolution: 5µm to 100 µm
- Protection Class IP65
- High Operation Speed 3 m/s
- Infinite Mechanical Life

LTS is a high precision magnetic linear encoder system, which operates incremental principle. It consists of a sensing head and magnetically encoded tape. Magnetic tapes are commonly made from a magnetic tape itself made from strontium ferrite bonded into a plastic or rubber (elastomeric) matrix which is then bonded onto a steel support.

The magnetic tape system is mounted on to actuating rod and is coupled free of backlash; this guaranteeing the highest accuracy and longest lifetime.

Mechanical Dimensions / Connection



Technical Specification

Defined Electrical Ranges	Between 50 mm to 750 mm
Resolution	5µm, 10µm, 25µm, 62.5µm, 80µm and 100µm
Output Signals	Standard A, B Cable Models ABZ or A, /A, B, /B, Z, /Z
Output Type	Push Pull (PP) or TTL RS422 Line Driver
Power Supply	TTL: 5 VDC or PP: 24 VDC
Operating Temperature	-20°C to +85°C
Electrical Connection	4 Pins Female Socket
Repeatability	±1 Pulse
Life	(Mechanical) Infinite
Rod Material	Anodized Aluminum

Order Code

Model

L	T	S	-	X	X	-	X	X	X	-	X	-	X	X	X
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Power Supply and Output

PP : 10...30 VDC ±%20 Power Supply
 24 VDC Push Pull Output
TTL : 5 VDC ±%5 Power Supply
 5 VDC TTL RS422 Line Driver Output
HTL : 24 VDC ±%20 Power Supply
 5 VDC TTL RS422 Line Driver Output

Stroke Range

50 : 50 mm
 ...
750 : 750 mm

Resolution

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

Output Signals

2 : A, B
4 : A, B, /A, /B
6 : A, /A, B, /B, Z, /Z

