

Resistive Linear Position Transducer



- Measuring range 10mm – 100mm
- Spring return system
- Long mechanical life 100.000.000 cycles
- Excellent repeatability
- Very low temperature drift
- Infinite resolution

Main Applications

Metal Forming Machines, Textile Machines, Packing Machines, Printing Machines, Marble/ Stone Machines and General Automation Applications

Specifications

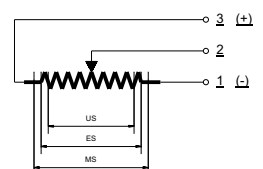
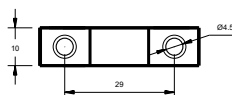
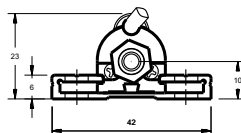
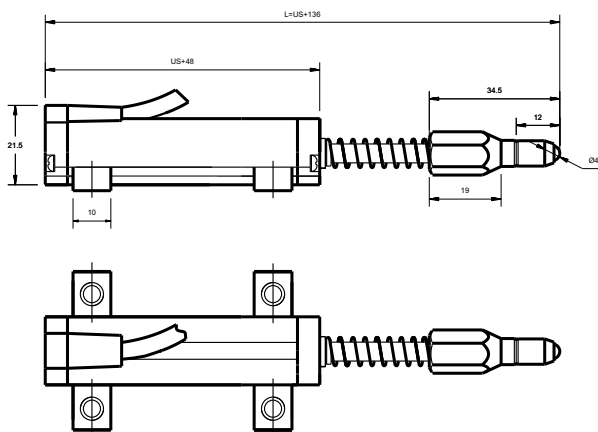
Mechanical stroke	10mm to 100mm
Linearity	± %0,05
Resolution	Infinite
Resistance output	1 Kohm or 2 Kohm, up to 50 mm. 50 to 100 mm 5Kohm or 10Kohm
Resistance tolerance	± %20
Load resistance	Min. 100 Kohm
Repeatability	≤ %0.01
Mechanical life	100 * 10 ⁶ Cycles
Displacement speed	≤ 5 m/s
Permissible applied voltage	28 VDC max
Recommended cursor current	< 1 µA
Electrical connections	cabl (30cm)
Case dimensions	Ø 18mm
Case material	Anodized aluminium
Rod diameter	4mm
Rod material	Stainless steel
IP Degree	IP 65
Working temperature	- 20 / + 80 °C
Mechanical fixing	Variable brackets

Dimensions

Model	LM	Mechanical stroke (MS)	Electrical measuring stroke (EMS)	Total lengt (L)
SLPS	10	12mm	10mm	146mm
SLPS	25	27mm	25mm	161mm
SLPS	50	52mm	50mm	186mm
SLPS	75	77mm	75mm	211mm
SLPS	100	102mm	100mm	236mm

Ordering Procedure

SLPS	50	D	5K
<i>Model</i>	<i>Measurement Stroke</i>	<i>Linearity Class</i> D: 0,05 %	<i>Kohm Value</i> 5K: 5 KΩ



US=Useful Stroke
ES=US+0.5(±0.1mm)
MS=US+2.75mm(±0.25mm)

Brown - Kahverengi (+)
Yellow - Sarı (Vout)
Blue - Mavi (-)
Black - Siyah (GND)