

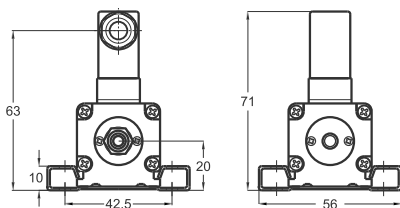
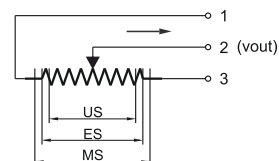
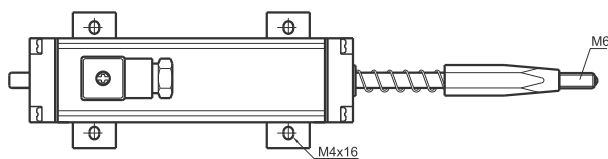
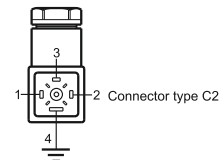
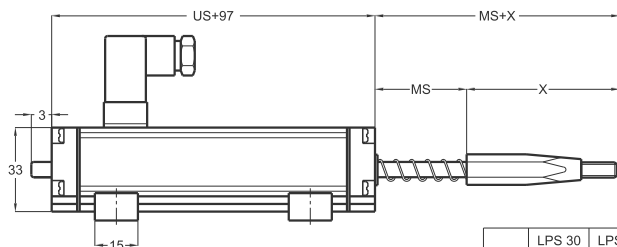
Linear Potentiometer Spring Return

- Measuring range 30 - 150 mm
- Long mechanical life 100 million movements
- Excellent repeatability <0.01 mm
- Infinite resolution
- 5 kOhm: 30 ... 150 mm



Technical specifications

Measurement stroke	30 to 150 mm
Linearity	$\pm 0,1$ (130 - 200 mm), $\pm 0,2$ (75 - 130 mm), $\pm 0,5$ (<75 mm)
Repeatability	< 0,01 mm
Resolution	Infinite
Resistance	5 kOhm: 30 ... 150 mm
Resistance tolerance	$\pm 20\%$
Load resistance	100 kOhm min.
Recommended cursor current	<1 μ A
Permissible applied voltage	28 VDC max.
Electrical connections	4 pin connector
Displacement speed	< 5 m/s
Mechanical life	100 million movement
Case dimensions	33 mm x 33 mm
Case material	Anodized aluminium
Rod material	Stainless steel
Rod diameter	$\varnothing 6$ mm
Mechanical fixing	Variable brackets
IP degree	IP 54
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C



LPS(mm)	30	50	75	100	125	150
US (Usefull Stroke)	30	50	75	100	125	150
MS (Mechanical Stroke)	34	54	79	104	129	154
L (Total Length)	227	272	332	392	452	512

Model	Measurement stroke (mm)	Linearity (%)	Resistance (KOhm)	Connector / Cable
(example) LPS	100	D	5K	C2
LPS	30 ... 150 mm	D: $\pm 0,05$ (>200 mm) $\pm 0,1$ (130 - 200 mm) $\pm 0,2$ (75 - 130 mm) $\pm 0,5$ (<75 mm)	5K: 5 kOhm 10K: 10 kOhm	C2: 4 pin connector