

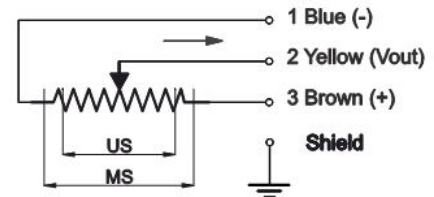
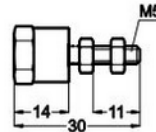
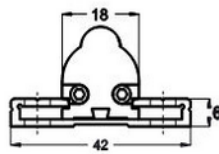
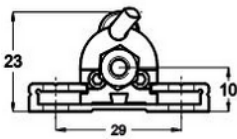
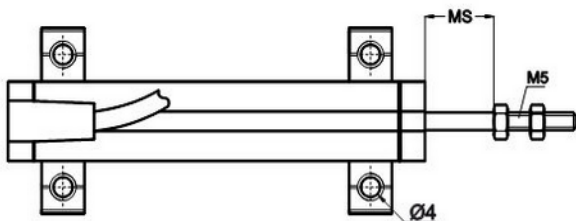
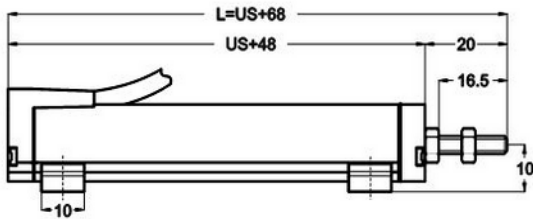
MSLPT

LINEAR POTENTIOMETERS SLIM BODY SERIES

The linear potentiometers MSLPT series allow measurement strokes up to 400 mm. They offer a great linearity as well as a long life and reliability.



- Measuring range 10 – 400 mm
- Long mechanical life
- Excellent repeatability
- Infinite resolution



MSLPT (mm)	10	25	50	75	100	125	150	175	200	250	300	350	400
US (Usefull stroke)	10	25	50	75	100	121	150	175	200	250	300	350	400
MS (Mechanical stroke)	13	28	53	78	103	128	153	178	203	253	303	353	403
L (Total length)	78	93	118	143	168	193	218	243	268	318	368	418	468

Technical specifications	
Measurement stroke	10 to 400 mm
Independant linearity	± 0,05 % (>200mm), ± 0,1 % (130-200mm), ± 0,2 % (75-130mm), ± 0,5 % (<75mm)
Repeatability	< 0.01 mm
Resolution	Infinite
Resistance	2K or 5K Ohm
Resistance tolerance	± %20
Load resistance	100K Ohm min
Recommended cursor current	< 1µA
Permissible applied voltage	28V DC max
Electrical connections	Cable 1m
Displacement speed	< 5 m/s
Mechanical life	100 million cycles
Case dimensions	Ø18 mm
Case material	Anodized aluminium
Rod material	Stainless steel
Rod diameter	Ø5 mm
Mechanical fixing	Variable brackets
IP degree	IP 65
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C

Model	Measurement stroke (mm)	Linearity (%)	Resistance (Ω)	Cable
MSLPT	175	D	5K	1M
	10 ... 400 mm	D : standard linearity	2K : 2 kΩ (10-50 mm) 5K : 5 kΩ (75-400 mm)	1M : 1 meter cable 1M5 : 1,5 meter cable

→ **Note** : Fixing brackets included.