

Linear Potentiometer External Spring Return, Slim Body Series

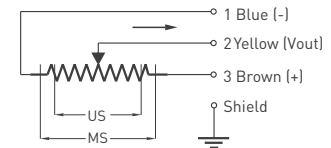
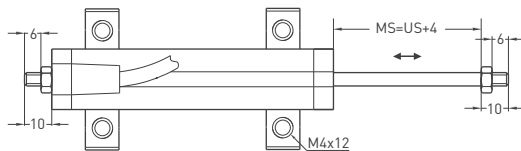
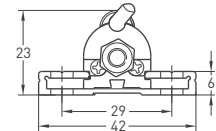
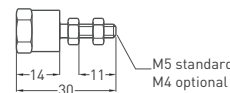
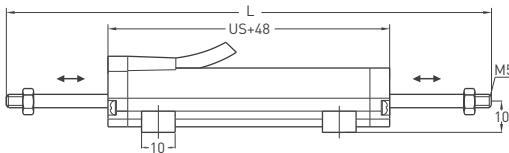
- Measuring range 10 - 200 mm
- Long mechanical life
- Excellent repeatability <0.01 mm
- Infinite resolution
- 2 kOhm: 10 - 50 mm
5 kOhm: 75 - 200 mm



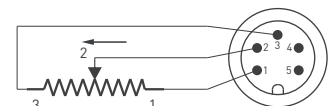
Technical Specifications

Measurement stroke	10 - 200 mm
Linearity	±%0.5 (≤75 mm), ±%0.2 (100-125 mm), ±%0.1(130-200 mm)
Repeatability	< 0.01 mm
Resolution	Infinite
Resistance	2 kOhm : 10 - 50 mm 5 kOhm : 75 - 200 mm
Resistance tolerance	± %20
Load resistance	100 kOhm min.
Recommended wiper current	<1 µA
Permissible applied voltage	28 VDC max.
Electrical connections	Connector or 1 m cable output
Displacement speed	< 5 m/s
Mechanical life	100 million movement
Case dimensions	Ø18 mm
Case material	Anodized aluminium
Rod material	Stainless steel
Rod diameter	Ø5 mm
Mechanical fixing	Variable brackets
Protection level	IP 40
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C

Mechanical Specifications



SLPKS (mm)	10	25	50	75	100	125	150	175	200
US (Usefull stroke)	10	25	50	75	100	125	150	175	200
MS (Mechanical stroke)	14	29	54	79	104	129	154	179	204
L (Total length)	92	122	172	222	272	322	372	422	472



Ordering Procedure

Model	Measurement stroke (mm)	Linearity (%)	Resistance (kOhm)	Connector / Cable
SLPK	150	C	5K	1M
SLPK	10 - 200 mm	A: ±%0.5 (≤75 mm), B: ±%0.2 (100 - 125 mm), C: ±%0.1 (130 - 200 mm)	2K : 2 kOhm (10-50 mm) 5K : 5 kOhm (75-200mm)	1M: 1 meter cable(standard) 1M5: 1.5 meter cable 2M: 2 meter cable CN5B: M16, 5 pin connector