

MSLPS

Linear Potentiometer

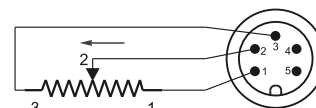
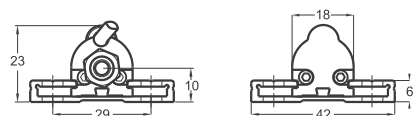
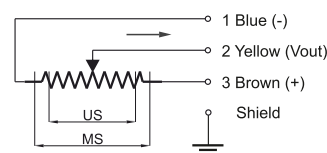
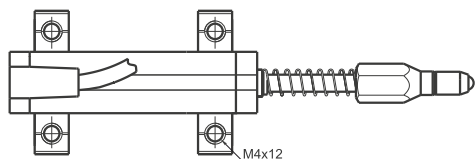
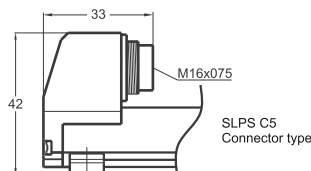
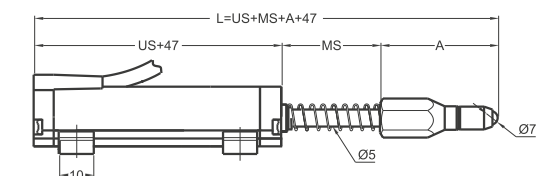
Spring Return, Slim Body Series

- Measuring range 10 - 100 mm
- Long mechanical life
- Excellent repeatability <0.01 mm
- Infinite resolution
- 2 kOhm : 10 ... 50 mm
- 5 kOhm : 75 ... 100 mm



Technical specifications

Measurement stroke	10 to 100 mm
Linearity	±%0,2 (75 - 100 mm), ±%0,5 (<75 mm)
Repeatability	< 0.01 mm
Resolution	Infinite
Resistance	2 kOhm: 10 ... 50 mm 5 kOhm: 75 ... 100 mm
Resistance tolerance	± %20
Load resistance	100 kOhm min.
Recommended cursor 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
IP degree	IP 65
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C



MSLPS (mm)	10	25	50	75	100
US (Usefull Stroke)	10	25	50	75	100
MS (Mechanical Stroke)	13	28	53	78	103
L (Total Length)	105	135	192	242	292

A	
MSLPS 10	35
MSLPS 25	35
MSLPS 50	42
MSLPS 75	42
MSLPS 100	42

Model	Measurement stroke (mm)	Linearity (%)	Resistance (kOhm)	Connector / Cable
(example) MSLPS	100	D	5K	1M
MSLPS	10 ... 100 mm	D: ±%0,2 (75 - 130 mm) ±%0,5 (<75 mm)	2K: 2 kOhm (< 75 mm) 5K: 5 kOhm (75 - 100 mm)	1M : 1 meter cable (standard) 1M5: 1,5 meter cable 2M : 2 meter cable C5 : Connector