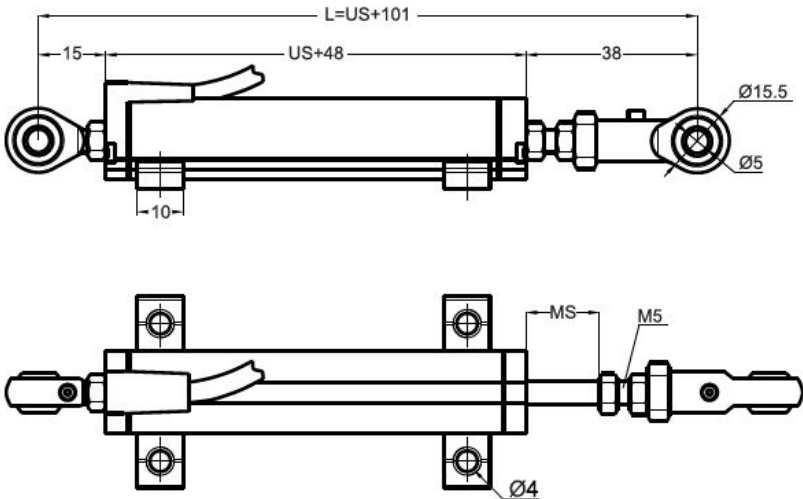


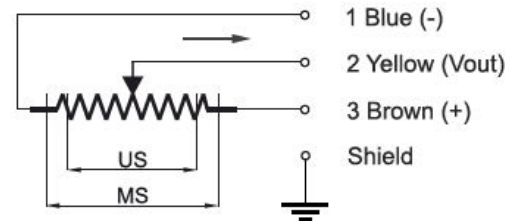
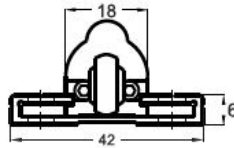
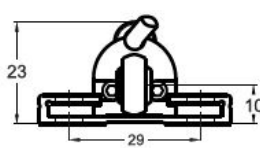
MSLPC

LINEAR POTENTIOMETERS SLIM BODY SERIES

The linear potentiometers MSLPC 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 <0.01 mm
- Infinite resolution



Note : Variable brackets are optional.

MSLPC (mm)	10	25	50	75	100	125	150	175	200	250	300	350	400
US (Usefull stroke)	10	25	50	75	100	125	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)	111	126	151	176	201	226	251	276	301	351	401	451	501

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	Ball joints on the both side
IP degree	IP 65
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C

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