

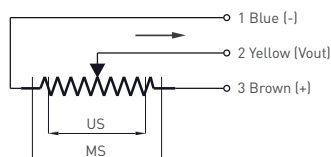
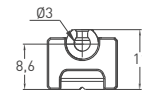
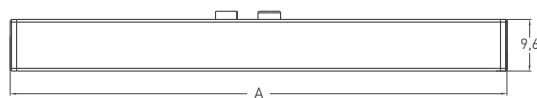
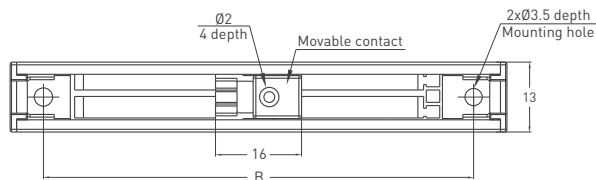
- Measurement range 25 - 150 mm
- 30 million movements life
- Special guidance system
- Infinite resolution
- 2 kOhm : 25 - 50 mm
- 5 kOhm : 75 - 150 mm



Technical Specifications

Measurement stroke	25 - 150 mm
Linearity	± 0.2 (75-150 mm), ± 0.5 (<75 mm)
Repeatability	< 0.01 mm
Resolution	Infinite
Resistance	2 kOhm : 25 - 50 mm 5 kOhm : 75 - 150 mm
Resistance tolerance	$\pm 20\%$
Load resistance	100 kOhm min.
Recommended wiper current	< 1 μ A
Permissible applied voltage	28 VDC max.
Displacement speed	< 5 m/s
Mechanical life	30 million movement
Case diameter	13 mm x 9,6 mm
Case material	Anodized aluminium
Protection level	IP00
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C

Mechanical Specifications



SOPH (mm)	25	50	75	100	150
A $\pm 0,5$	67,5	92,5	117,5	142,5	192,5
B $\pm 0,5$	55	80	105	130	180

Ordering Procedure

Model	Measurement stroke (mm)	Linearity (%)	Resistance (kOhm)
SOPH	75	B	2K
SOPH	25 - 150 mm	A : ± 0.5 (<75 mm), B : ± 0.2 (75-150 mm)	2 kOhm : 25 - 50 mm 5 kOhm : 75 - 150 mm