

Datasheet

General features

- Measuring range 10 to 400 mm
- Long mechanical life: 100 million movements
- Excellent repeatability: <0.01 mm
- Infinitely variable resolution
- Resistance:
2 kOhm: 10 ... 50 mm,
5 kOhm: 75 ... 400 mm



Technical specifications

Measurement stroke	10 to 400 mm
Linearity	$\pm \% 0.05$ (>200 mm), $\pm \% 0.1$ (130 - 200 mm), $\pm \% 0.2$ (75 - 129 mm), $\pm \% 0.5$ (<75 mm)
Repeatability	<0.01 mm
Resolution	Infinitely variable
Resistance	2 kOhm: 10 ... 50 mm, 5 kOhm: 75 ... 400 mm
Resistance tolerance	$\pm \% 20$
Load resistance	100 kOhm min.
Recommended consumption current	<1 μ A
Permissible applied voltage	28 VDC max.
Electrical connections	M16 - 5 pin connector or 1m cable output (other lengths available)
Displacement speed	<5 m/s
Mechanical life	100 million movement
Case dimensions	$\varnothing 18$ mm
Case material	Anodized aluminium
Rod diameter	$\varnothing 5$ mm
Rod material	Stainless steel
Mechanical fixing	Variable brackets
IP rating	IP 54
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C

Dimensions



