

ELECTRICAL SPECIFICATIONS

Theoretical electrical travel (TET)	from 12,5 mm to 150 mm see table 1
Actual electrical travel (AET)	AET = TET + 1 mm
Independent linearity (over TET)	$\leq \pm 1\%$; $\leq \pm 0,5\%$ $\leq \pm 0,25\%$; $\leq \pm 0,1\%$
Repeatability	$\leq \pm 0,01\%$
Ohmic values (R_T)	from 400 Ω/cm to 2 kΩ/cm
Resistance tolerance at 20°C	$\pm 20\%$
Wiper current	recommended : a few μA 1 mA max. continuous
Load resistance	minimum 10 ³ x R _T
Insulation resistance	$\geq 1000\text{ M}\Omega$ 500 V _{DC}
Dielectric strength	$\geq 500\text{ V RMS}$ 50 Hz

MECHANICAL SPECIFICATIONS

Mechanical travel (MT)	MT = TET + 3 ± 1 mm
Housing	anodized aluminium
Operating force	0,35 N typical
Termination	3 wires PTFE AWG 26 length : 300 mm
Wiper	precious metal multifinger

PERFORMANCES

Operating life	50 millions cycles typical
Temperature range	-55°C +125°C
Sine vibration on 3 axes	1,5 mm peak to peak or 15 g - 10 Hz - 2000 Hz
Mechanical shocks on 3 axes	50 g - 11 ms - half sine

ORDERING PROCEDURE

