

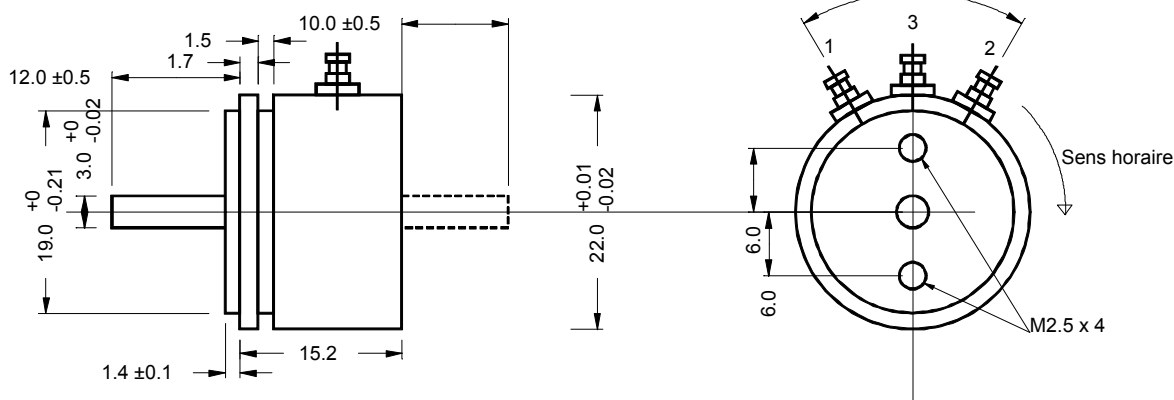
CONDUCTIVE PLASTIC POTENTIOMETER

Ideally suitable very long life as miniature servo-component and angular position sensor for preset and feedback applications in small instruments and machines. Mechanical and electrical modifications in production quantities possible. Extremely smooth resistance track together with precision multifinger wiper ensure a high resolution in voltage divider circuits.

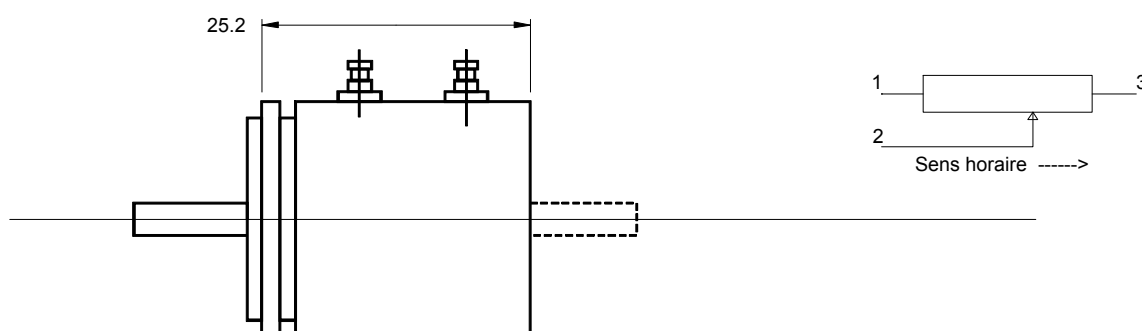


- High reliability : 20 000 000 cycles
- Ball bearings
- Metal made

PPS22 (optional rear shaft extension)



PPS22 tandem version (optional rear shaft)



Electrical specifications	
Resistance value (Ω)	1 k, 5 k \pm 15 %
Linearity tolerance (%)	\pm 0.5
Resolution (%)	Quasi infinite
Power (W)	1
Recommended wiper current (μ A)	1
Max. wiper current (mA)	10
Electrical angle ($^{\circ}$)	320 \pm 4
Ondulation de sortie (%)	< 0.1
Insulation resistance	1000 M Ω / 500 VDC

Mechanical & environmental specifications	
Mechanical angle ($^{\circ}$)	360 without stop
Starting torque (Ncm)	0.3
Rotation torque (Ncm)	0.2
Life time (Cycles)	20 000 000
Rotation speed – max (t/mn)	2000
Bearing	2 ball-bearings
Operating temperature ($^{\circ}$ C)	-35 ... +125
Housing material	Anodized aluminium
Shaft material	Inox
Pins	Gold coloured brass