

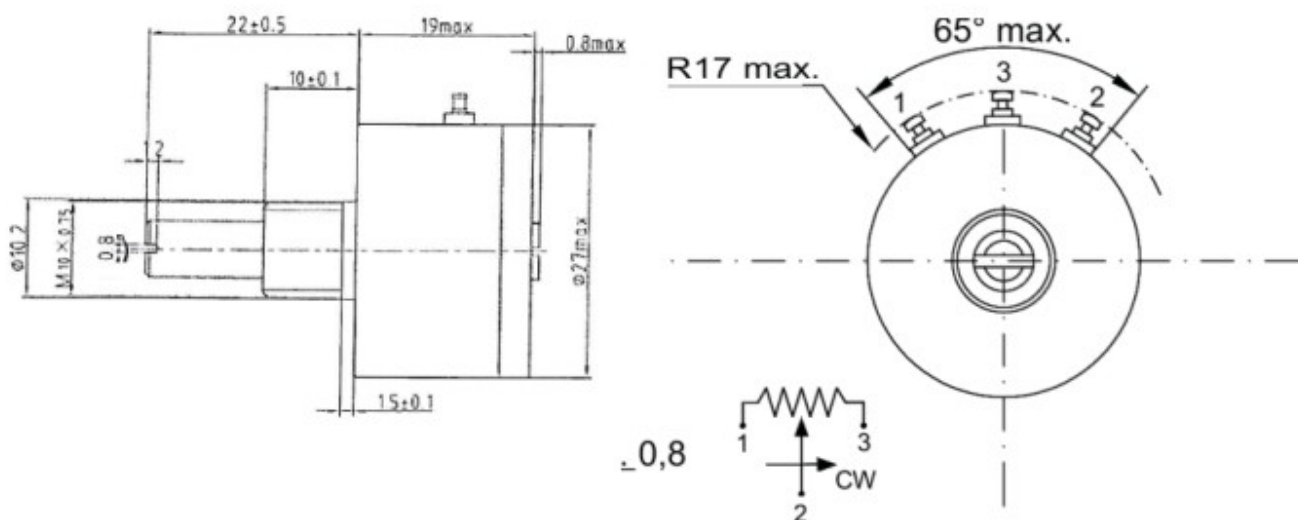
Applications:

- Contrary to Sensors with servo-mount, these type has a bushing M10x0,75 and can also be used as a precision panel setting device.
- One optional shaft modification is a rear side shaft extension with slot for adjusting the sensor by using a screwdriver.
- This sensor is an alternative to expensive high precision conductive plastic types.



- High electrical resolution
- Ball bearings
- Bushing mount

Dimensions :



Options :

- Special resistance value
- Special electrical angles (A)
- Special linearity
- Slot on shaft on rear side (SL)
- End stop (ST)

Electrical characteristics

Resistance element	Conductive plastic
Standard resistance value (Ω)	1k, 5k, 10k
Standard resistance tolerance (%)	(typ. IEC 60393) ± 15
Standard linearity tolerance (%)	(typ. IEC 60393) $\pm 0,5$
Best independent linearity tolerance (%)	(typ. IEC 60393) ± 0.2
Resolution	Quasi infinite
Power rating (+70°C)	1 W
Electrical travel	$320^\circ \pm 5^\circ$
Wiper current	<1mA (1 μ A recommended)
Output smoothness	<0.1 %
Dielectric strength	500 VAC
Insulation resistance	500 VDC

Mechanical characteristics

Mechanical angle	360° continuous
Starting torque	$\geq 0.5\text{Ncm}$
Lifespan	20×10^6 revolutions
Max rotation speed	400 rpm
Bearing	Ball bearings
Operating temperature	-55°C à +125°C
Housing	Aluminium
Axis	Stainless steel
Connections	Soldering pins
Bushing	Brass