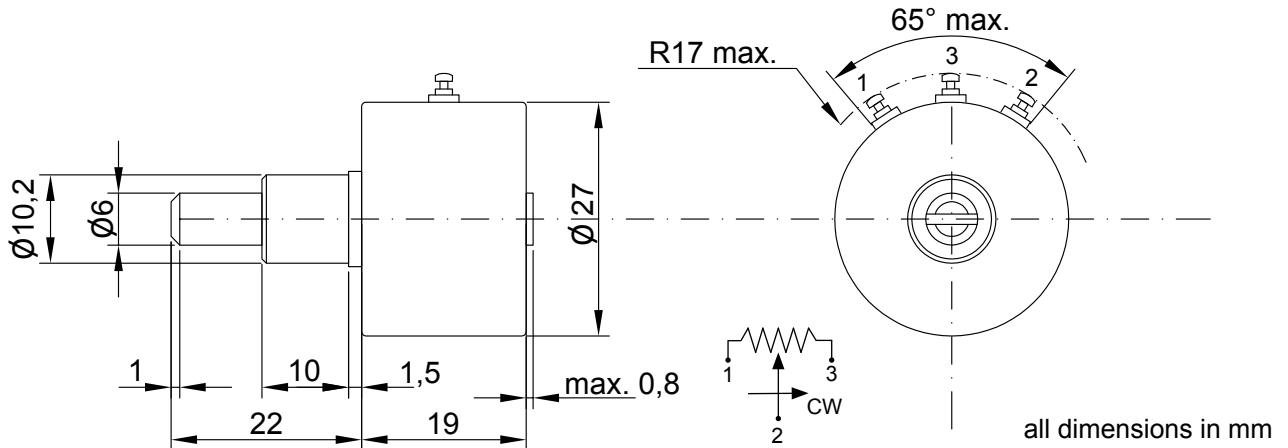


27 mm Industrial Single Turn
Bushing Mount, Conductive Plastic

- metric size
- long life
- bush mount and ball bearing
- high electrical resolution



ELECTRICAL CHARACTERISTICS

Resistance element	Conductive plastic
Standard resistance values (Ω)	1K, 5K, 10K
Standard resistance tolerance (%)	(typ. IEC 60393) ± 15
Standard linearity tolerance (%)	(typ. IEC 60393) ± 1
Best independent linearity tolerance (%)	(typ. IEC 60393) RQ
Resolution	quasi infinite
Power rating (+70°C)	1 Watt
Electrical travel	320°±5
Wiper current	<1 mA (1µA recommended)
Output smoothness (%)	<0,1
Dielectric strenght	500 MOhm at 500 VCD
Insulation resistance	500 VDC

MATERIAL

Housing	Aluminum
Shaft	Stainless steel
Terminals	Soldering Pins
Bushing	Aluminium

MECHANICAL CHARACTERISTICS

Mechanical angle	360° continuous
Starting torque (Ncm)	≥0,5
Rotational life (shaft revolutions)	(typ. IEC 60393) 20.000.000
Bearing type	ball bearing
Operating temperature (°C)	-55°C to +125°C

OPTIONS UPON REQUEST

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

Application: Contrary to Sensors with servomount, 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.

ORDERING INFORMATION

Detailed information: www.megauto.de/rotasense

RSB27	10k	C	L0,5%	Axxx	SL	
Typ	Ω	continuous (C) endstop (ST)	Linearity	Special Angle	Special Shaft	

Please note: The specification and information in this datasheet cannot consider all special demands that are caused by the application. Because of this, they are no general description of the properties of the product. Megauto does not assume any responsibility for damages due to improper application of our products. The user has to ensure by its own, that the products used are suitable for this application. Megauto does not warrant the reproducibility of published applications.