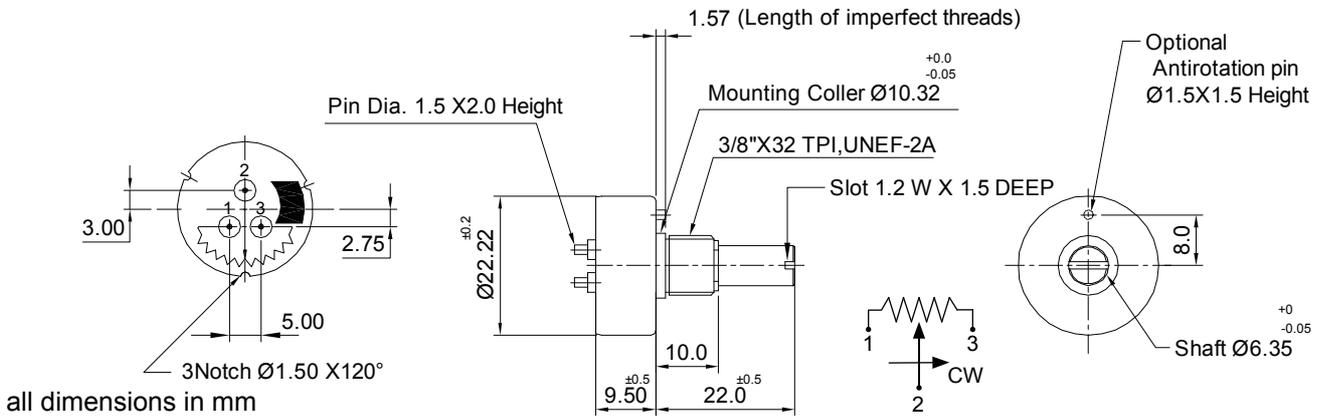


**22 mm Industrial Single Turn angle sensor
Bushing Mount, Conductive Plastic**

- Conductive plastic, metric size
- Electrical angle 340° (360° mechanical)
- Metal housing
- High electrical resolution
- Special operating torque (on request)



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 his application. Megauto does not warrant the reproducibility of published applications.



ELECTRICAL CHARACTERISTICS

Resistance element	Conductive plastic
Standard resistance values (Ω)	1k, 5k, 10k (up to 100k)
Standard resistance tolerance (%)	(typ. IEC 60393) ± 20
Standard linearity tolerance (%)	(typ. IEC 60393) ± 2,0
Resolution (IEC 60393)	quasi infinite
Maximal wiper current	1 mA
Power rating (+70°C)	1 Watt
Electrical travel	340° ± 5° (R22P/PC)
TCR	400 ppm /°C
Insulation resistance	1000 MOhm at 500 VDC
Dielectric strength	500 VAC

MATERIAL

Housing	anodized aluminium
Shaft	stainless steel
Terminals	brass, gold plated
Bushing	anodized aluminium

MECHANICAL CHARACTERISTICS

Mechanical angle (R22PC)	360° continuous
Mechanical angle (R22P)	340° ± 5° with endstops
Starting torque (Ncm)	<1
Operating torque (Ncm)	0,5
Rotational life (shaft revolutions)	(typ. IEC 60393) 3.000.000
Bearing type	sleeve
Operating temperature (°C)	-50°C to +105°C

OPTIONS ON REQUEST

Special resistance value
Antirotation pin (P)
Special electrical angles (A)
Special shaft length (SL)
IP65 protection (IP65)
2 Wipers (2W)
Special torque
Center tap (CT)
Positioning of connecting pins (on request)

Application: Because of the high resolution conductive plastic element, this precision potentiometer can be used as preset potentiometer as well as in feed-back systems. Because of the long rotational life, it can also be used as angle sensors. All standard resistances values are always available from stock. It meets industrial standard dimensions.

ORDERING INFORMATION

Detailed information: www.megauto.de/rotaset

R22P	10k	C	L2,0%	xxx	SL	IP65
Typ	Ω	continuous (C)	Linearity	Special Angle	Shaft (mm)	Options