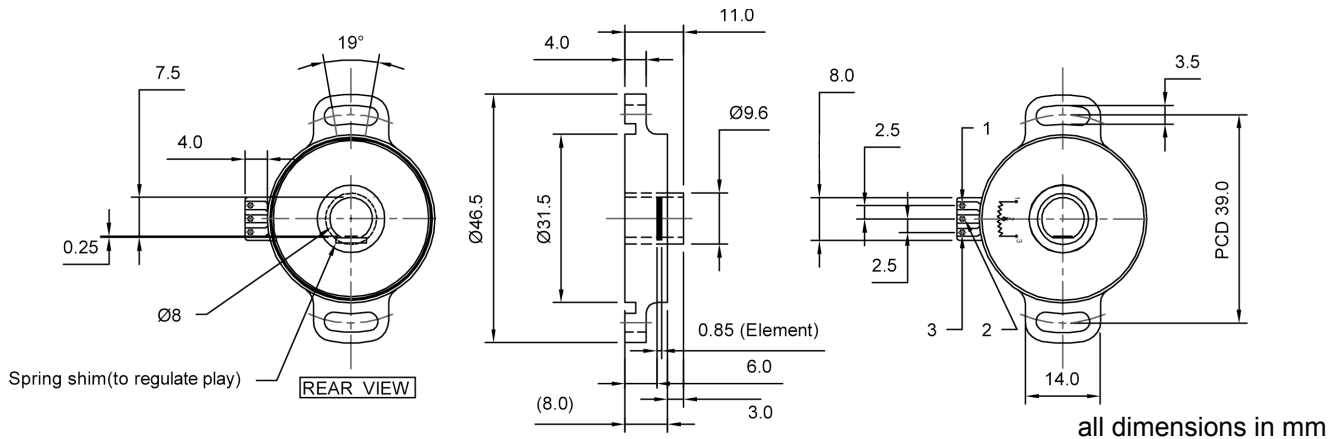


32 mm Hollow Shaft Angle Sensor, Conductive Plastic

- Directly mounting on the shaft, no coupling required
- High quality plastic low profile body
- 3.000 000 Revolutions
- Precious metal wiper for low contact resistance
- Special spring shim eliminates hysteresis



ELECTRICAL CHARACTERISTICS

Resistance element	Conductive plastic
Standard resistance values (Ω)	5k (special 1k up to 100k)
Standard resistance tolerance (%)	(typ. IEC 60393) ± 20
Standard linearity tolerance (%)	(typ. IEC 60393) ± 2
Best independent linearity tolerance (%)	(typ. IEC 60393) on request
Resolution	quasi infinite
Maximal wiper current	<1 mA (1µA recommended)
Power rating (+70°C)	2 Watt +40°C (OW / 105°)
Electrical Travel	340° ± 4° (RH32PC)
TCR	400 ppm /°C
Insulation resistance	1000 MOhm at 500 VDC
Dielectric strength	500 VAC

MATERIAL

Housing	Glass filled thermoset plastic
Hollow shaft	Plastic
Terminals	Pads on PCB, gold plated
Bushing	Brass on one end

MECHANICAL CHARACTERISTICS

Mechanical angle (R22P)	360° continuous
Starting torque (Ncm)	<1
Operating torque (Ncm)	0,7
Rotational life (shaft revolutions)	(typ. IEC 60393) 3.000.000
Bearing type	Sleeve
Operating temperature (°C)	-50°C to +105°C
Soldering Recommendation	350° C for 3 second maximum

OPTIONS UPON REQUEST

Special resistance value
Special electrical angle (A)
With cable and connectors (CC)
harness, soldering posts

Application: The hollow-shaft 22mm precision conductive plastic potentiometer is suitable for universal and flexible mounting and O-print adjustment. The hole is inside flattened for easy fixing of the potentiometer on any shaft. Ideal low cost sensor for any rotary shaft movement.

ORDERING INFORMATION

Detailed information: www.megauto.de/rotaset

RH32PC	10k	C	L2%	Axxx	/	OM-CC
Typ	Ω	continuous (C)	Linearity	Special el. Angle	Special Shaft	Options