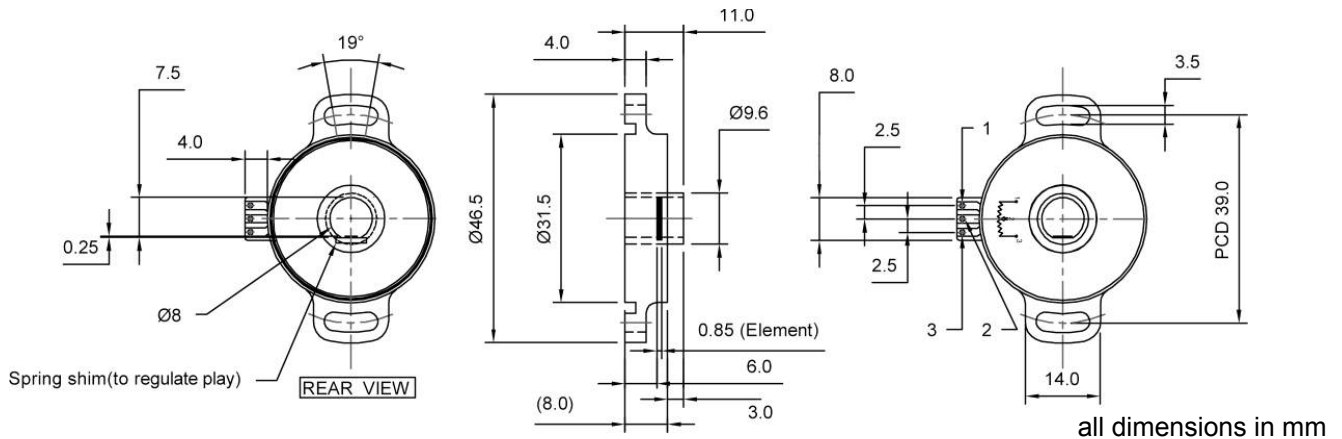


## 32 mm Hollow Shaft Angle Sensor, Conductive Plastic

- 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



all dimensions in mm

### 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

### OPTIONS UPON REQUEST

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

### 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

### 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/en/rh32.pdf](http://www.megauto.de/en/rh32.pdf)

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

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