

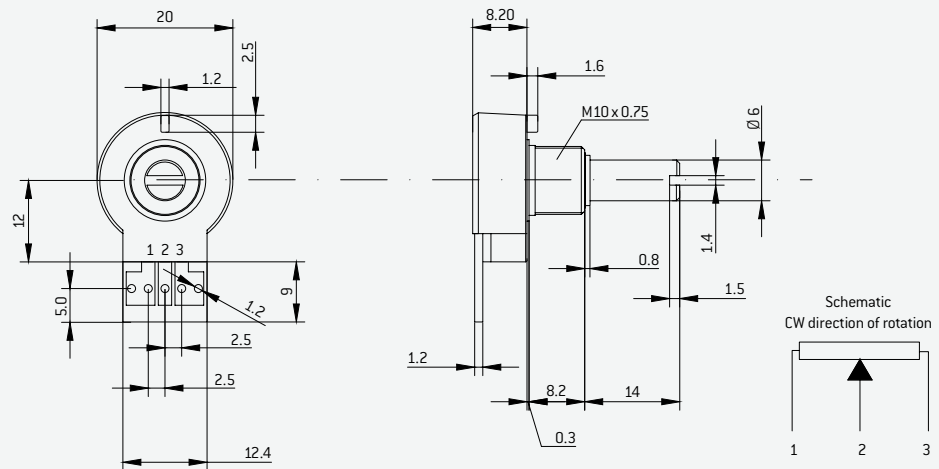
CONDUCTIVE PLASTIC POTENTIOMETER POL 200



The special features of this single-turn potentiometer include plastic housing with injected metal thread and integrated slide bearing. The materials of axis and bearing are chosen to ensure a long lifetime.

- Long lifetime
- Good linearity

- Diameter: 20 mm
- Lifetime: 1 million cycles



ELECTRICAL SPECIFICATIONS

Resistance range (Rn)	10 kΩ *
Resistance tolerance	± 20 %
Electrical angle	320° *
Independent linearity	± 2% *
Resolution	Analogue, almost infinite
Maximum wiper current	5 mA in case of malfunction
Typical supply voltage	3 – 30 VDC
Wiper load	> 100 x Rn
Insulation resistance	10 GΩ at 500 VDC
Dielectric strength	1000 VAC

Mechanical and electrical characteristics are customizable.
Specifications are subject to change without notice. * Others on request.

MECHANICAL SPECIFICATIONS

Lifetime	1 million cycles
Mechanical positioning range	Continuous rotation
Protection class	IP 50 according to DIN EN 60529
Torque	< 0.7 Ncm
Bearing	Slide bearing

AMBIENT CONDITIONS

Operating temperature	−25°C ... +85°C
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MATERIAL

Housing	Thermoplastic
Axis	Nickel-plated brass
Connectors	Gold-plated solder pads

SAMPLE ORDER

Part no.	Type series	Resistance range	Elect. measuring range	Elect. connection	Protection class
H060420000	POL 200	10 K	320°	Solder pad	IP 50