

# 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.

## FEATURES

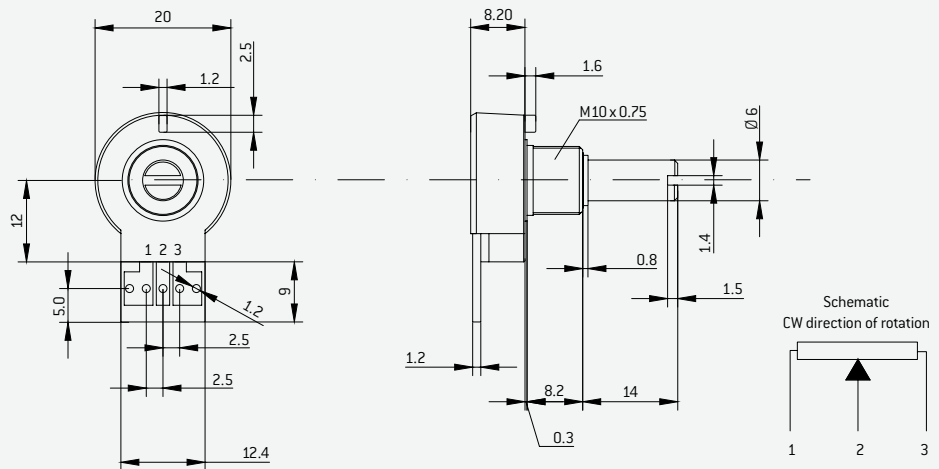
- Long lifetime
- Good linearity

## APPLICATIONS

- Valve controls
- Joysticks

## SPECIAL FEATURES

- Diameter: 20 mm
- Lifetime: 1 million cycles



## ELECTRICAL SPECIFICATIONS

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

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

## MECHANICAL SPECIFICATIONS

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

## AMBIENT CONDITIONS

<b>Operating temperature</b>	–25°C ... +85°C
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## MATERIAL

<b>Housing</b>	Thermoplastic
<b>Axis</b>	Nickel-plated brass
<b>Connectors</b>	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