

# CONDUCTIVE PLASTIC POTENTIOMETER POL 200



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

## FEATURES

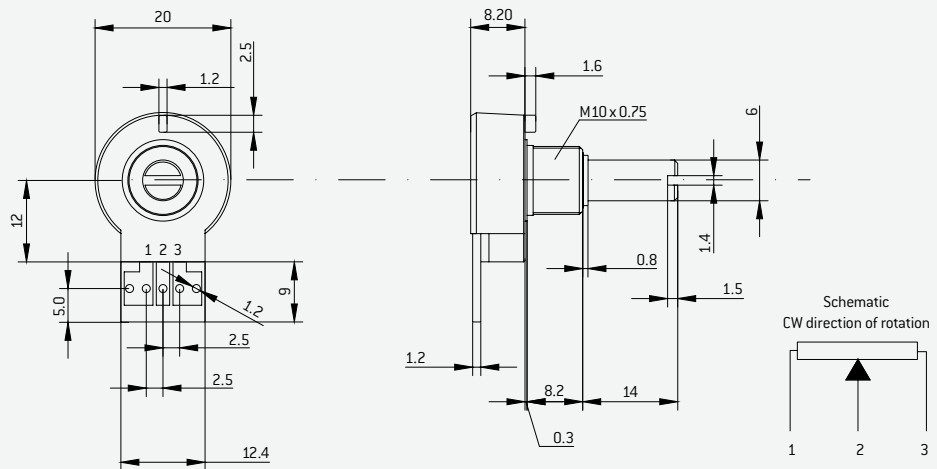
- Long lifetime
- Good linearity

## APPLICATIONS

- Valve controls
- Joysticks

## SPECIAL FEATURES

- Diameter: 20 mm
- Lifetime: 1 million cycles
- Option: Continuous axis



## ELECTRICAL SPECIFICATIONS

Resistance range (R <sub>n</sub> )	10 kΩ *
Resistance tolerance	± 20%
Electrical angle	320° *
Independent linearity	± 2% *
Resolution	nearly infinite
Maximum wiper current	5 mA in case of malfunction
Wiper load	> 100 x R <sub>n</sub>
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
Torque	< 0.7 Ncm
Bearings	Slide bearings

## AMBIENT CONDITIONS

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

Housing	Thermoplastic
Axis	Stainless steel
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