

Rotary Transducer **VP12** Subminiature Potentiometer

Document no.: VP 10851 CE
Date: 21.05.2014



- **Conductive plastic potentiometer with infinite resolution**
- **12 mm diameter**
- **Life expectancy up to 5 million cycles**
- **Linearity tolerance 2%**
- **Low cost item for large production runs**

Construction

Plastic housing - stainless steel shaft - conductive plastic element with precious metal wiper - central mounting thread M6 x 0.75 in brass - potted rear solder pins.

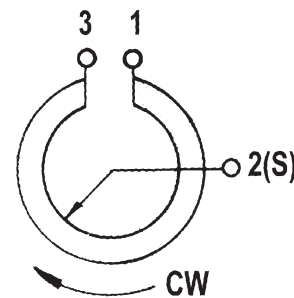
Electrical data

- Resistance values: 1 - 5 - 10 K Ω
- Resistance tolerance: $\pm 20\%$
- Electrical function angle: $324^\circ \pm 5^\circ$
- Independent linearity: 2 %
- Max. dissipation: 0,2 W at 55° C
- Max. wiper current: 1 mA
- Temperature coefficient: ± 400 ppm
- Insulation resistance: > 1000 M Ω at 500 VDC
- Dielectric strength: 500 V_{eff} - 1 min
- Life expectancy: > 5 x 10⁶ cycles

Mechanical data

- Mechanical function angle: 360° (no stops)
- Torque requirement: ≤ 20 cNcm
- Operating temperature range: - 55° to + 105° C
- Mass: 5 g

Connections



Dimensions in mm

