



**POTENTIO-
METRIC**

- 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

KEY INFORMATION OVERVIEW, TECHNICAL DATA

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

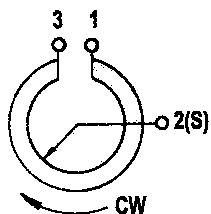
ELECTRICAL DATA

Resistance values	1 - 5 - 10 kΩ
Resistance tolerance	± 20 %
Electrical function angle	324° ± 5°
Independent linearity	2 %
Max. dissipation	0,2 W at 55 °C
Max. wiper current	1 mA
Temperature coefficient	± 400 ppm
Insulation resistance	> 1000 MΩ at 500 VDC
Dielectric strength	500 V _{eff} for 1 min
Life expectancy	> 5 x 10 ⁶ cycles

MECHANICAL DATA

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

ELECTRICAL CONNECTION



ORDER CODE

VP12 with 1 k Ω VP12/1K
 VP12 with 5 k Ω VP12/5K
 VP12 with 10 k Ω VP12/10K

DOCUMENTATION

DOCUMENTATION

The following documents can be found in the Internet under www.twk.de/en in the documentation area, model VP12.

Data sheet [VP10851](#)
 Reach compliant [QS15286](#)
 RoHS compliant [QS13284](#)
 POP Declaration of conformity [QS17238](#)
 CE Declaration of conformity [ZE12467](#)
 UKCA Declaration of conformity [ZE16569](#)

INSTALLATION DRAWING

Dimensions in mm

