Electrical data
Nominal resistance kOhm 5 / 10
Resistance tolerance % ±20
Independent linearity % of meas. range ±1
Electrical angle ° 290
Max. repeatability ° 0.3
Max. hysteresis ° 0.3
Temperature coefficient of the voltage divider ppm/K 5
Max. recommended wiper current µA 1
Max. wiper current in case of malfunction mA 10
Max. power rating P (@ 40°C) W 0.3
Min. life (electrical) movements 20 Mio.

Mechanical data
Mechanical range ° 360 (continuous)
Min. life (mechanical) movements 20 Mio.
Operating & storage temperature °C -60 ... +85
Protection class IP65

Standards
Insulating resistance (500 VDC, 1bar, 2s) GOhm 10
Dielectric strength (VAC, 50Hz, 1min, 1bar) kV 1
Vibration (Amax = 0.75mm, f = 30…2000Hz) g 10
Shock (half sine pulse, 7 ms) g 50

Applications
• Valve controls
• Joysticks

Features
• Hollow shaft
• 20 Mio. movements
• Very good resolution better 0.3°

Options
• Other nominal resistance
• Electrical angles between 30° and 340°
• Customer specific wires / connectors

Ideal potentiometer wiring
Our potentiometers should be ideally used as an unloaded voltage divider.
If the potentiometer is loaded, nonlinearities arise due to the load resistance and the contact resistance.
Accessories (incl.)
• None