### Electrical data
- **Nominal resistance**: kΩm 5 / 10
- **Resistance tolerance**: % ±20
- **Independent linearity**: % of meas. range ±1
- **Electrical angle**: ° 280
- **Max. repeatability**: ° 0.3
- **Max. hysteresis**: ° 0.6
- **Temperature coefficient of the voltage divider**: ppm/°C 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 2 Mio.

### Mechanical data
- **Mechanical range**: ° 360 (continuous)
- **Min. life (mechanical)**: movements 2 Mio.
- **Operating temperature**: °C -25 ... +75
- **Storage temperature**: °C -25 ... +100
- **Protection class**: IP50

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

### WAL200

#### Applications
- Volumetric dosing system
- Joysticks

#### Features
- Hollow shaft
- Cost-effective
- 2 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.

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Errors and omissions excepted. Subject to change without notice. State: 27.08.14
WAL200

Accessories (incl.)
- None