



WAL340

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

Electrical data

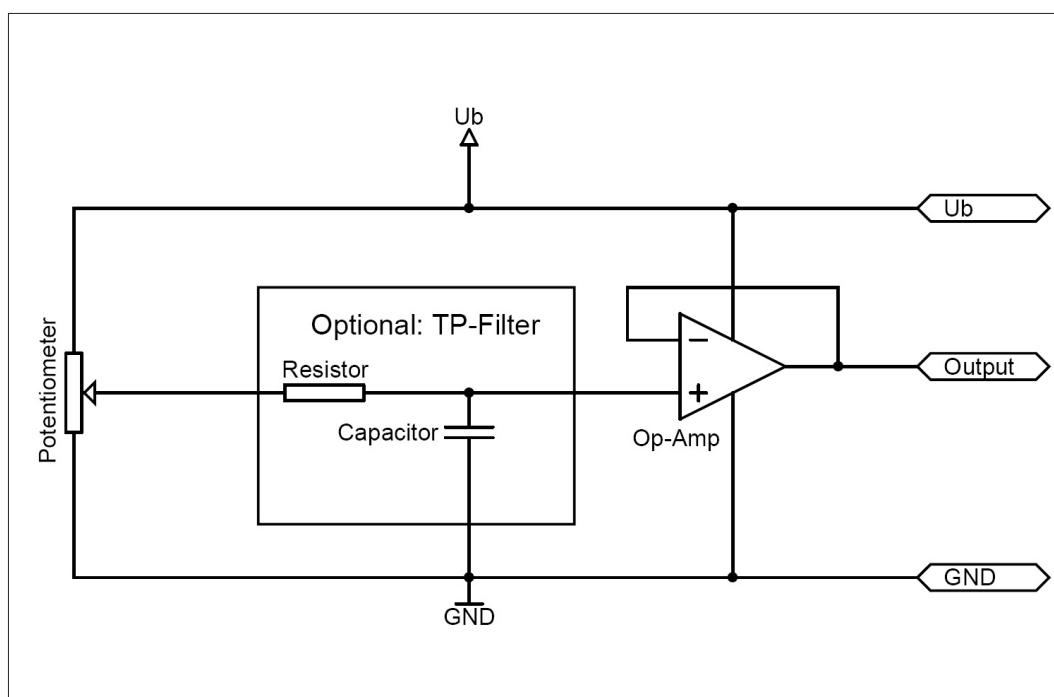
Nominal resistance	kOhm	5 / 10
Resistance tolerance	%	±20
Independent linearity	% of meas. range	±1
Electrical angle	°	290
Max. repeatability	°	0.3
Max. hysteresis	°	0.3
Temperature coefficient of the voltage divider	ppm/K	5
Max. recommended wiper current	µA	1
Max. wiper current in case of malfunction	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



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.

Errors and omissions excepted. Subject to change without notice.
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