



- Road roller

- ### Features
- Small dimensions
 - Linearity $\pm 2\%$
 - High operating temperature

Options

- Special electrical angles
- Custom shafts design
- Custom bushing design

Electrical Data		
Nominal resistance	0.1 ... 2000	kOhm
Resistance tolerance	±10	%
Independent linearity	±2.0	% of meas. range
Electrical angle	270	°
Temperature coefficient of the voltage divider	100	ppm/°C
Recommended wiper current	max. 1	µA
Max. wiper current in case of malfunction	100	mA
Power rating P	max. 2	W/70°C
Min. life (electrical)	50'000	cycles

Mechanical Data

Mechanical range	300 / 272	°
Torque	max. 1	Ncm
Min. life (mechanical)	50'000	cycles
Operating temperature	-25 ... +125	°C
Storage temperature	-40 ... +125	°C
Protection class	IP54	

Standards

Insulating resistance (500 VDC, 1bar, 2s)	10	GOhm
Dielectric strength (VAC, 50Hz, 1min, 1bar)	1.5	kV
Vibration (Amax = 0.75mm, f = 30 ... 2000 Hz)	10	g
Shock (half sine pulse, 7 ms)	50	g

Subject to change
without notice
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Contelec AG
Portstrasse 38
CH-2503 Biel/Bienne
Phone +41 (0)32 3665600
Telefax +41 (0)32 3665604
sales@contelec.ch

CONTELEC