



PD280

Applications

- Temperature control on cookers

Features

- Small dimensions
- 100'000 cycles
- Excellent linearity, $\pm 0.4\%$

Options

- Custom shafts design
- Custom bushing design

Electrical Data		
Nominal resistance	0.1 ... 10	kOhm
Resistance tolerance	± 5	%
Independent linearity	± 0.4	% of meas. range
Electrical angle	275/312	°
Temperature coefficient of the voltage divider	40	ppm/°C
Recommended wiper current	max. 10	μA
Max. wiper current in case of malfunction	100	mA
Power rating P	max. 1.5	W/70°C
Min. life (electrical)	100'000	cycles
Mechanical Data		
Mechanical range	280 / 320	°
Torque	max. 1	Ncm
Min. life (mechanical)	100'000	cycles
Operating temperature	-25 ... +125	°C
Storage temperature	-40 ... +125	°C
Protection class	IP50	
Standards		
Inulating resistance (500 VDC, 1bar, 2s)	10	GOhm
Dielectric strenght (VAC, 50Hz, 1min, 1bar)	1.5	kV
Vibration ($A_{max} = 0.75\text{mm}$, $f = 30 \dots 2000 \text{ Hz}$)	10	g
Shock (half sine pulse, 7 ms)	50	g

Subject to change
without notice
State: 27-Oct-2005

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