



PD200 / 210

Applications

- Temperature control of industrial dryer
- Control unit of tractors
- Setting potentiometer of machine tool

Features

- Small dimensions
- 100'000 cycles
- Excellent linearity $\pm 0.4\%$
- Extremely little susceptibility to damage
- High protection class IP67

Options

- Custom shafts design
- Custom bushing design
- Elevated torque

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

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Electrical Data		
Nominal resistance	1/2/5/10/20	kOhm
Resistance tolerance	± 5	%
Independent linearity	± 0.4	% of meas. range
Electrical angle	268 / 278 / 298 / 318	°
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. 2	W/40°C
Min. life (electrical)	100'000	cycles

Mechanical Data		
Mechanical range	270 / 280 / 300 / 320	°
Torque	max. 0.6	Ncm
Elevated torque	2...5	Ncm
Min. life (mechanical)	100'000	cycles
Min. life with elevated torque	10'000	cycles
Operating temperature	-25 ... +125	°C
Storage temperature	-55 ... +125	°C
Protection class	IP67	

Standards		
Insulating resistance (500 VDC, 1bar, 2s)	10	GOhm
Dielectric strenght (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