



Electrical Data		
Nominal resistance	0.1...10	kOhm
Resistance tolerance	±5	%
Independent linearity	±0.25	% of meas. range
Electrical angle	268 / 298 / 328 / 355	°
Temperature coefficient of the resistance	40	ppm/°C
Recommended wiper current	max. 10	µA
Max. wiper current in case of malfunction	100	mA
Power rating P	max. 5	W/40°C
Min. life (electrical)	100'000	cycles
Mechanical Data		
Mechanical range	270 / 300 / 330 / 360	°
Torque	min. 0.5	Ncm
Min. life (mechanical)	100'000	cycles
Operating temperature	-25 ... +105	°C
Storage temperature	-25 ... +105	°C
Protection class	IP50	
Standards		
Insulating resistance (500 VDC, 1bar, 2s)	10	GOhm
Dielectric strength (VAC, 50Hz, 1min, 1bar)	900	V
Vibration (Amax = 0.75mm, f = 30 ... 2000 Hz)	10	g
Shock (half sine pulse, 7 ms)	50	g

PD550

Applications

- Power controller of industrial cooker

Features

- Flat design
- Linearity ±0.25 %

Options

- Short-circuit zones
- Up to 9 pickoffs feasible
- Electrical angles between 180° and 318°
- Mechanical angles between 180° and 318°
- With bushing and shaft
- Custom shafts design
- Custom bushing design

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

Contelec AG
Portstrasse 38
CH-2503 Biel/Bienne
Phone +41 (0)32 3665600
Telefax +41 (0)32 3665604
sales@contelec.ch

CONTELEC