



| 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 |

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 ±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

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

CONTELEC