



| Electrical Data | | |
|--|------------------|--------------|
| Nominal resistance | kOhm | 1/5/10 |
| Resistance tolerance | % | ±20 |
| Independent linearity | % of meas. range | ±1 |
| Electrical angle | ° | 340 |
| Repeatability | ° | max. 0.1 |
| Temperature coefficient of the voltage divider | ppm/°C | 50 |
| Recommended wiper current | µA | max. 1 |
| Max. wiper current in case of malfunction | mA | 10 |
| Power rating P | W/40°C | max. 0.5 |
| Min. life (electrical) | cycles | 10 Mio. |
| Mechanical Data | | |
| Mechanical range | ° (continuous) | 360 |
| Torque (IP54) | Ncm | max. 0.7 |
| Min. life (mechanical) | cycles | 5 Mio. |
| Max. permitted axial shaft load | N | 1 |
| Max. permitted radial shaft load | N | 1 |
| Operating temperature | °C | -25 ... +85 |
| Storage temperature | °C | -40 ... +105 |
| Protection class | | IP50 |
| Standards | | |
| Insulating resistance (500 VDC, 1bar, 2s) | GOhm | 10 |
| Dielectric strength (VAC, 50Hz, 1min, 1bar) | kV | 1 |
| Vibration (Amax = 0.75mm, f = 30 ... 2000 Hz) | g | 10 |
| Shock (half sine pulse, 7 ms) | g | 50 |

PL300

Applications

- Valve controls
- Joysticks / Master switches

Features

- Small dimensions
- Design flexibility
- 5 Mio. cycles
- Excellent linearity, up to ±0.25%
- Very good resolution better 0,1°

Options

- Resistance tolerance ±10%
- Independent linearity ±0.25%
- Custom electrical angles and switch functions available
- Mechanical end stops
- Protection class IP65
- Custom shaft design
- Custom housing design
- Ball bearings / Sintered bronze bearings

Errors and omissions excepted. Subject to change without notice. / State: 05.05.20

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

CONTELEC

A company of the Siedle-Group