



## PD2310

### Applications

- Fork-lifter
- Lifting platform

### Features

- Small dimensions
- 1 Mio. turns
- Excellent linearity  $\pm 0.15\%$
- Extremely little susceptibility to damage

### Options

- Tandem-ganged potentiometer i.e. 2 on one shaft
- Custom shafts design
- Custom bushing design
- 3 turns (PD2303)
- 5 turns (PD2305)

### Electrical Data

|                                                |             |                  |
|------------------------------------------------|-------------|------------------|
| Nominal resistance                             | 0.1 ... 100 | kOhm             |
| Resistance tolerance                           | $\pm 5$     | %                |
| Independent linearity                          | $\pm 0.15$  | % of meas. range |
| Electrical angle                               | 3600        | °                |
| Temperature coefficient of the voltage divider | 40          | ppm/°C           |
| Recommended wiper current                      | max. 10     | $\mu A$          |
| Max. wiper current in case of malfunction      | 50          | mA               |
| Power rating P                                 | 2           | W/70°C           |
| Min. life (electrical)                         | 1 Mio.      | turns            |

### Mechanical Data

|                        |              |       |
|------------------------|--------------|-------|
| Mechanical range       | 10           | turns |
| Torque                 | max. 0.7     | Ncm   |
| Min. life (mechanical) | 1 Mio.       | turns |
| Operating temperature  | -55 ... +125 | °C    |
| Storage temperature    | -55 ... +125 | °C    |
| Protection class       | IP50         |       |

### Standards

|                                                                          |    |      |
|--------------------------------------------------------------------------|----|------|
| Insulating resistance (500 VDC, 1bar, 2s)                                | 10 | GOhm |
| Dielectric strength (VAC, 50Hz, 1min, 1bar)                              | 1  | 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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