



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	± 5	%
Independent linearity	± 0.15	% of meas. range
Electrical angle	3600	°
Temperature coefficient of the voltage divider	40	ppm/°C
Recommended wiper current	max. 10	μA
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 ($A_{\text{max}} = 0.75\text{mm}$, $f = 30 \dots 2000 \text{ Hz}$)	10	g
Shock (half sine pulse, 7 ms)	50	g

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