



Electrical Data		
Nominal resistance	kOhm	1/5/10
Resistance tolerance	%	±20
Independent linearity	% of meas. range	±2
Electrical angle	°	270
Temperature coefficient of the voltage divider	ppm/°C	30
Recommended wiper current	µA	max. 1
Max. wiper current in case of malfunction	mA	10
Power rating P	W/40°C	0.5
Min. life (electrical)	cycles	500'000
Mechanical Data		
Mechanical range	°	300
Torque	Ncm	max. 1
Min. life (mechanical)	cycles	500'000
Operating temperature	°C	-25 ... +125
Storage temperature	°C	-40 ... +125
Protection class		IP50
Standards		
Insulating resistance (500 VDC, 1bar, 2s)	GOhm	10
Dielectric strength (VAC, 50Hz, 1min, 1bar)	kV	1.5
Vibration (Amax = 0.75mm, f = 30 ... 2000 Hz)	g	10
Shock (half sine pulse, 7 ms)	g	50

PL240

Applications

- Positiondetection on dentist's chair
- Miter saw

Features

- Small dimensions
- 0.5 Mio. cycles
- Linearity ±2 %
- Very good resolution, better 0,1°

Options

- Custom shafts design
- Custom bushing design
- Other electrical angles between 20° und 270°

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

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