



## PC90

### Applications

- Setting potentiometer

### Features

- Compact dimensions
- Protection class IP67
- High operating temperature

### Options

- Round housing without bushing / with scale
- Cubic housing without bushing / with scale
- Shaft flush to the edge of the bushing

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

<b>Electrical Data</b>		
Nominal resistance	0.1 ... 2000	kOhm
Resistance tolerance	±10	%
Independent linearity	±3.0	% of meas. range
Electrical angle	300	°
Temperature coefficient of the voltage divider	100	ppm/°C
Recommended wiper current	max. 1	µA
Max. wiper current in case of malfunction	25	mA
Power rating P	max. 0.75	W/40°C
Min. life (electrical)	2'000	cycles
<b>Mechanical Data</b>		
Mechanical range	305	°
Torque	0.5	Ncm
Min. life (mechanical)	2'000	cycles
Operating temperature	-25 ... +125	°C
Storage temperature	-40 ... +125	°C
Protection class	IP67	
<b>Standards</b>		
Insulating resistance (500 VDC, 1bar, 2s)	10	GOhm
Dielectric strength (VAC, 50Hz, 1min, 1bar)	900	V
Vibration (Amax = 0.75mm, f = 30 ... 2000 Hz)	10	g
Shock (half sine pulse, 7 ms)	50	g