



PC20

Applications

- Readout potentiometer

Features

- Compact dimensions
- Elevated torque
- High temperature range
- Protection class IP67

Options

- Other nominal resistances
- Electrical angles between 30° and 315°
- Without elevated torque

Electrical Data		
Nominal resistance	kOhm	20
Resistance tolerance	%	±20
Independent linearity	% of meas. range	±2.5
Electrical angle	°	315
Angle tolerance (electrical)	°	±3
Temperature coefficient of the voltage divider	ppm/°C	100
Recommended wiper current	µA	max. 1
Max. wiper current in case of malfunction	mA	100
Power rating P	W/40°C	max. 0.75
Min. life (electrical)	cycles	50'000

Mechanical Data		
Mechanical range	°	320
Angle tolerance (mechanical)	°	±2
Torque	Ncm	2...6
Min. life (mechanical)	cycles	50'000
Operating temperature	°C	-25 ... +125
Storage temperature	°C	-55 ... +125
Protection class		IP67*
End-stop strength	Ncm	max. 70
Draw out force of the shaft	N / 1min	min. 40
Draw out force of the wires	N / 1min	min. 50
Permitted torque for nut fixation	Ncm	max. 75

Standards		
Insulating resistance (500 VDC, 1bar, 2s)	GOhm	8
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

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

* The wires on customer side have to be sealed to fulfill the protection class of IP67.