Electrical Data		
Nominal resistance	1/5/10	kOhm
Resistance tolerance	±20	%
Independent linearity	±1	% of meas. range
Electrical angle	340	°
Repeatability	max. 0.1	°
Temperature coefficient of the voltage divider	50	ppm/°C
Recommended wiper current	max. 1	µA
Max. wiper current in case of malfunction	10	mA
Power rating P	max. 0.5	W/40°C
Min. life (electrical)	10 Mio.	cycles

Mechanical Data		
Mechanical range	360	° (continuous)
Torque (IP54)	max. 0.7	Ncm
Min. life (mechanical)	5 Mio.	cycles
Max. permitted axial shaft load	1	N
Max. permitted radial shaft load	1	N
Operating temperature	-25 ... +85	°C
Storage temperature	-40 ... +105	°C
Protection class	IP54	

Standards		
Insulating resistance (500 VDC, 1bar, 2s)	10	GOhm
Dielectric strength (VAC, 50Hz, 1min, 1bar)	1	kV
Vibration (Amax = 0.75mm, f = 30 … 2000 Hz)	10	g
Shock (half sine pulse, 7 ms)	50	g

PL320

Applications
- Valve controls
- Joysticks / Master switches

Features
- Connection by wires
- Small dimensions
- Design flexibility
- 5 Mio. cycles
- Excellent linearity, up to ±0.25%
- Very good resolution better 0,1°

Options
- Resistance tolerance ±10%
- Independent linearity ±0.25%
- Custom electrical angles and switch functions available
- Mechanical end stops
- Protection class IP65
- Custom shaft design
- Custom housing design
- Ball bearings / Sintered bronze bearings
- Customer specific wires

Subject to change
without notice
State: 26-Oct-2005

CONTELEC