Electrical Data		
Nominal resistance	5/10	kOhm
Resistance tolerance	±20	%
Independent linearity	±0.25	% of meas. range
Electrical angle	150/354	°
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	max. 0.5	Ncm
Min. life (mechanical)	5 Mio.	cycles
Operating temperature	-25 ... +75	°C
Storage temperature	-25 ... +105	°C
Protection class	IP63	

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

GL60

Applications
- Door control system
- Road roller

Features
- Hollow shaft Ø 6mm
- 5 Mio. cycles
- Excellent linearity up to ±0.25%
- Very good resolution, better 0,1°

Options
- Resistance tolerance ±10%
- Special electrical angles
- Radial cable outlet
- Mechanical end-stop

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

CONTELEC

Electrical Data		
Nominal resistance	5/10	kOhm
Resistance tolerance	±20	%
Independent linearity	±0.25	% of meas. range
Electrical angle	150/340	°
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	348	°
Torque	max. 1.5	Ncm
Min. life (mechanical)	5 Mio.	cycles
Operating temperature	-25 ... +75	°C
Storage temperature	-25 ... +105	°C
Protection class	IP63	

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

GL100

Applications
- Door control system
- Road roller

Features
- Hollow shaft Ø 10mm
- 5 Mio. cycles
- Excellent linearity up to ±0.25%
- Very good resolution, better 0,1°

Options
- Resistance tolerance ±10%
- Special electrical angles
- Radial cable outlet
- Continuous

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Electrical Data		
Nominal resistance	5/10	kOhm
Resistance tolerance	±20	%
Independent linearity	±0.25	% of meas. range
Electrical angle	150/340	°
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	346	°
Torque	max. 6	Ncm
Min. life (mechanical)	5 Mio.	cycles
Operating temperature	-25 ... +75	°C
Storage temperature	-25 ... +105	°C
Protection class	IP63	

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

GL200

Applications
- Door control system
- Road roller

Features
- Hollow shaft Ø 20mm
- 5 Mio. cycles
- Excellent linearity up to ±0.25%
- Very good resolution, better 0,1°

Options
- Resistance tolerance ±10%
- Special electrical angles
- Radial cable outlet
- Continuous

Subject to change
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State: 27-Oct-2005

CONTELEC

Electrical Data		
Nominal resistance	5/10	kOhm
Resistance tolerance	±20	%
Independent linearity	±0.25	% of meas. range
Electrical angle	150/340	°
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	348	°
Torque	max. 6	Ncm
Min. life (mechanical)	5 Mio.	cycles
Operating temperature	-25 ... +75	°C
Storage temperature	-25 ... +105	°C
Protection class	IP63	

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

GL300

Applications
- Door control system
- Road roller

Features
- Hollow shaft Ø 30mm
- 5 Mio. cycles
- Excellent linearity up to ±0.25%
- Very good resolution, better 0,1°

Options
- Resistance tolerance ±10%
- Special electrical angles
- Radial cable outlet
- Continuous

Subject to change
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CONTELEC

Electrical Data		
Nominal resistance	5/10	kOhm
Resistance tolerance	±20	%
Independent linearity	±0.25	% of meas. range
Electrical angle	150/340	°
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	350	°
Torque	max. 15	Ncm
Min. life (mechanical)	5 Mio.	cycles
Operating temperature	-25 ... +75	°C
Storage temperature	-25 ... +105	°C
Protection class	IP63	

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

GL400

Applications
- Door control system
- Road roller

Features
- Hollow shaft Ø 40mm
- 5 Mio. cycles
- Excellent linearity up to ±0.25%
- Very good resolution, better 0,1°

Options
- Resistance tolerance ±10%
- Special electrical angles
- Radial cable outlet
- Continuous

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CONTELEC

Electrical Data		
Nominal resistance	5/10	kOhm
Resistance tolerance	±20	%
Independent linearity	±0.25	% of meas. range
Electrical angle	150/340	°
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	350	°
Torque	max. 15	Ncm
Min. life (mechanical)	5 Mio.	cycles
Operating temperature	-25 ... +75	° C
Storage temperature	-25 ... +105	° C
Protection class	IP63	

Standards		
Insulating resistance (500 VDC, 1bar, 2s)	10	GOhm
Dielectric strength (VAC, 50Hz, 1min, 1bar)	1	kV
Vibration (Amax = 0.75mm, f = 30 ··· 500 Hz)	10	g
Shock	50	g

GL500

Applications
- Door control system
- Road roller

Features
- Hollow shaft Ø 50mm
- 5 Mio. cycles
- Excellent linearity up to ±0.25%
- Very good resolution, better 0,1°

Options
- Resistance tolerance ±10%
- Special electrical angles
- Radial cable outlet
- Continuous

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

CONTELEC