Electrical Data		
Nominal resistance	kOhm	5/10
Resistance tolerance	%	±20
Independent linearity	% of meas. range	±0.25
Electrical angle	°	150/354
Repeatability	°	max. 0.1
Temperature coefficient of the voltage divider	ppm/°C	50
Recommended wiper current	µA	max. 1
Max. wiper current in case of malfunction	mA	10
Power rating P	W/40°C	max. 0.5
Min. life (electrical)	movements	20 Mio.

Mechanical Data		
Mechanical range	° (continuous)	360
Torque	Ncm	max. 0.5
Min. life (mechanical)	movements	10 Mio.
Operating temperature	°C	-25 ... +75
Storage temperature	°C	-25 ... +105
Protection class		IP63

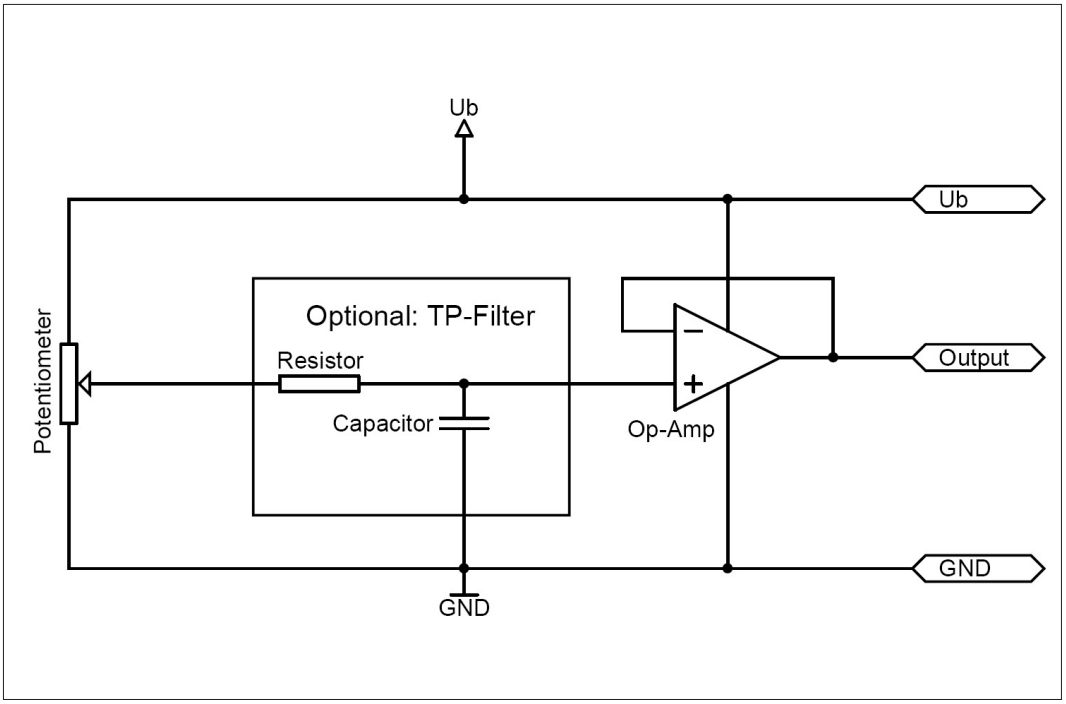
Standards		
Insulating resistance (500 VDC, 1bar, 2s)	GOhm	10
Dielectric strength (VAC, 50Hz, 1min, 1bar)	kV	1
Vibration (Amax = 0.75mm, f = 30…500 Hz)	g	10
Shock	g	50

GL60

Applications
- Door control system
- Road roller

Features
- Hollow shaft Ø 6mm
- 10 Mio. movements
- 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



Ideal potentiometer wiring
Our potentiometers should be ideally used as an unloaded voltage divider.
If the potentiometer is loaded, nonlinearities arise due to the load resistance and the contact resistance.

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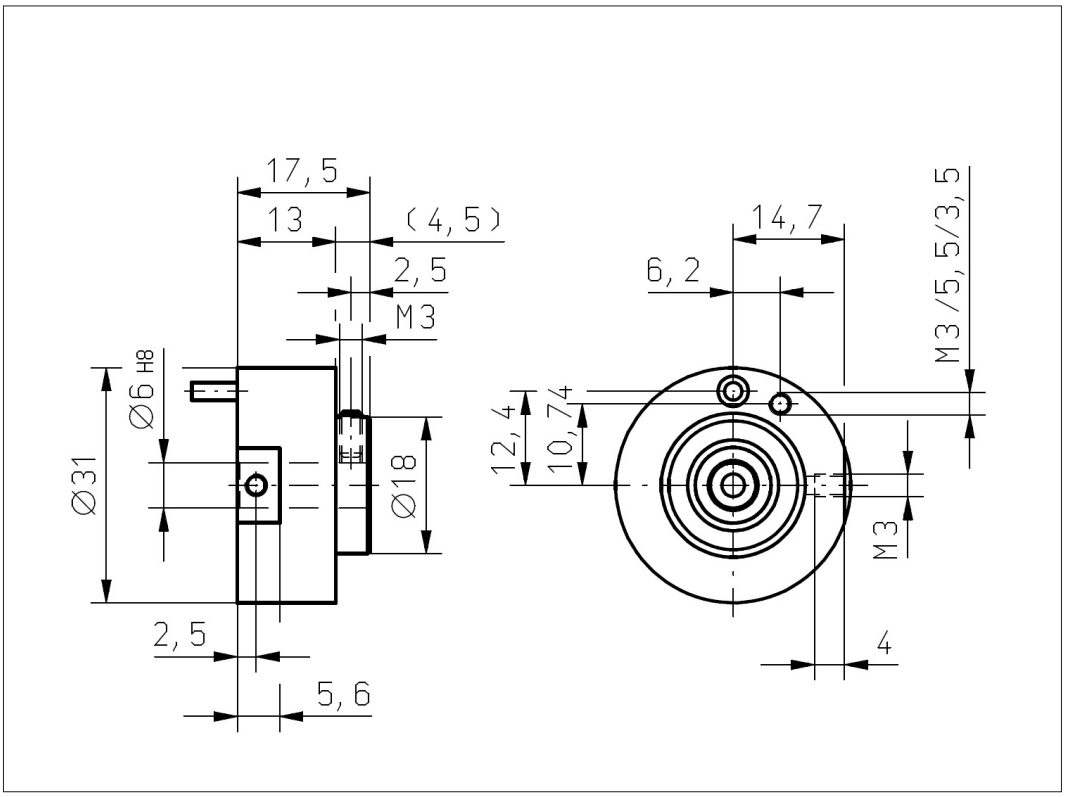

GL60

Accessories (incl.)
- None

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Electrical Data		
Nominal resistance	kOhm	5/10
Resistance tolerance	%	±20
Independent linearity	% of meas. range	±0.25
Electrical angle	°	150/340
Repeatability	°	max. 0.1
Temperature coefficient of the voltage divider	ppm/°C	50
Recommended wiper current	µA	max. 1
Max. wiper current in case of malfunction	mA	10
Power rating P	W/40°C	max. 0.5
Min. life (electrical)	movements	20 Mio.

Mechanical Data		
Mechanical range	°	348
Torque	Ncm	max. 1.5
Min. life (mechanical)	movements	10 Mio.
Operating temperature	°C	-25 ... +75
Storage temperature	°C	-25 ... +105
Protection class		IP63

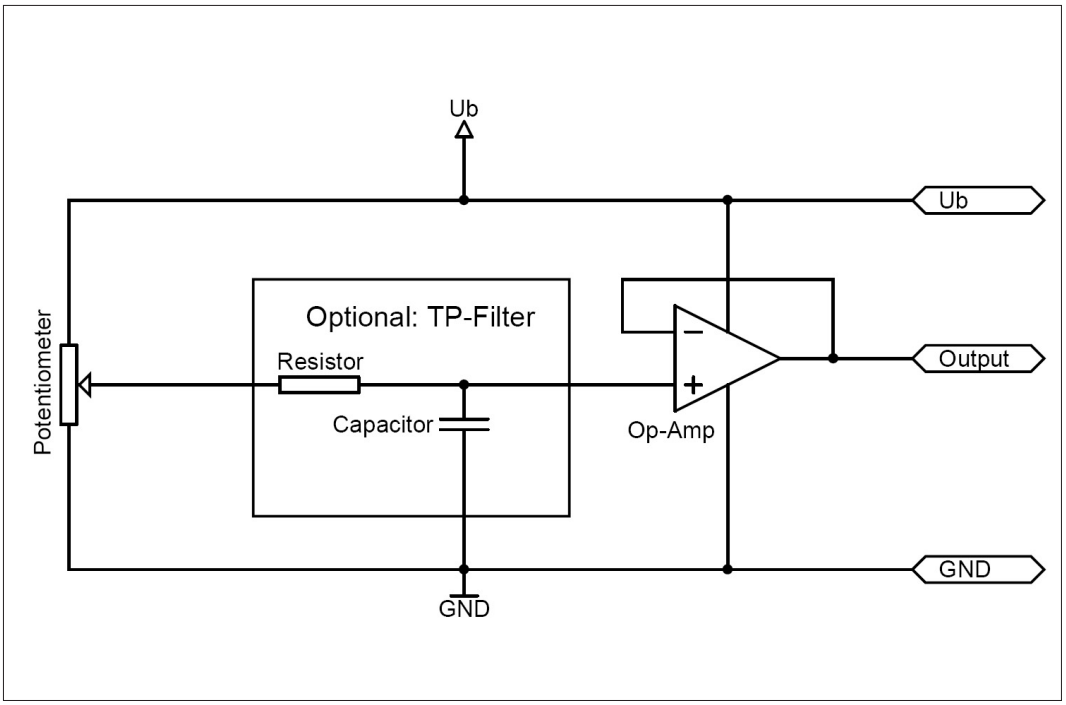
Standards		
Insulating resistance (500 VDC, 1bar, 2s)	GOhm	10
Dielectric strength (VAC, 50Hz, 1min, 1bar)	kV	1
Vibration (Amax = 0.75mm, f = 30…500 Hz)	g	10
Shock	g	50

GL100

Applications
- Door control system
- Road roller

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

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



Ideal potentiometer wiring
Our potentiometers should be ideally used as an unloaded voltage divider.
If the potentiometer is loaded, nonlinearities arise due to the load resistance and the contact resistance.

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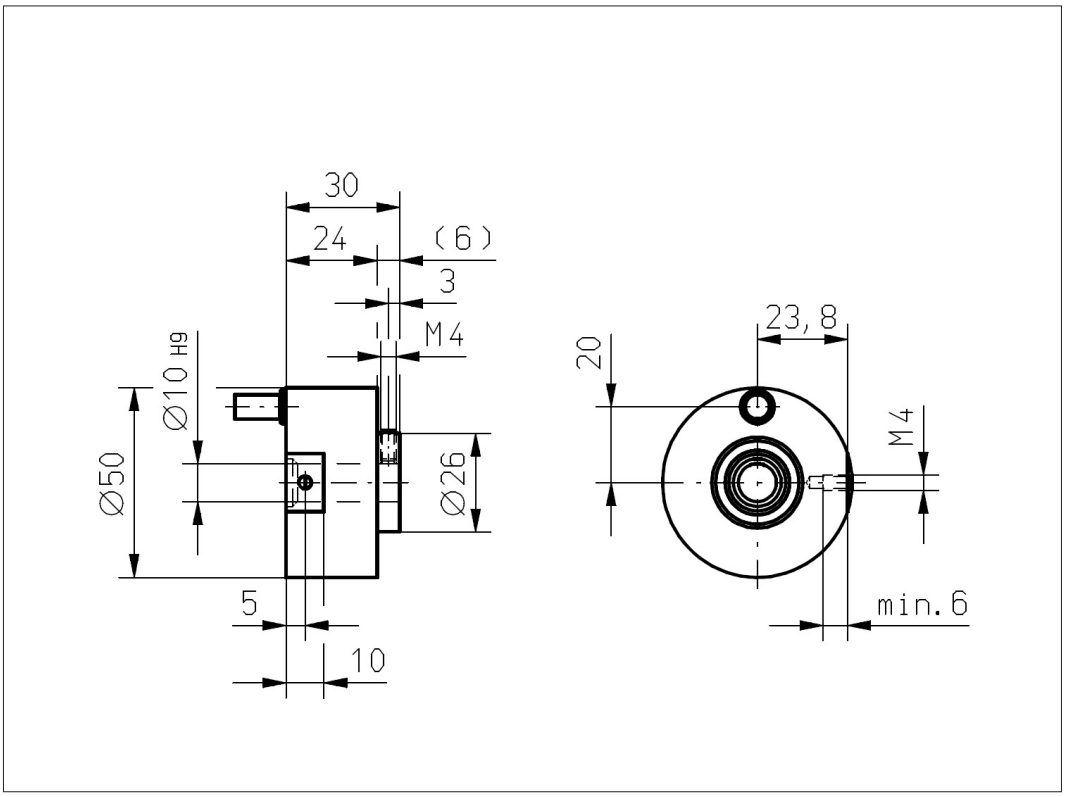

GL100

Accessories (incl.)
- None

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Electrical Data		
Nominal resistance	kOhm	5/10
Resistance tolerance	%	±20
Independent linearity	% of meas. range	±0.25
Electrical angle	°	150/340
Repeatability	°	max. 0.1
Temperature coefficient of the voltage divider	ppm/°C	50
Recommended wiper current	µA	max. 1
Max. wiper current in case of malfunction	mA	10
Power rating P	W/40°C	max. 0.5
Min. life (electrical)	movements	20 Mio.

Mechanical Data		
Mechanical range	°	346
Torque	Ncm	max. 6
Min. life (mechanical)	movements	10 Mio.
Operating temperature	°C	-25 ... +75
Storage temperature	°C	-25 ... +105
Protection class		IP63

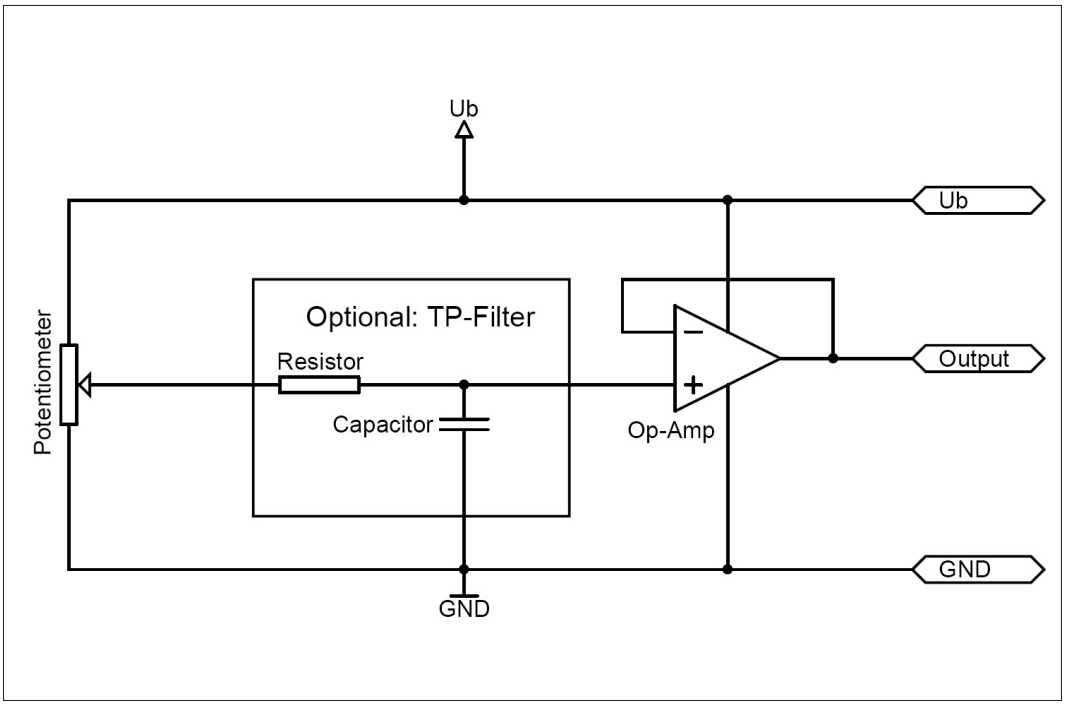
Standards		
Insulating resistance (500 VDC, 1bar, 2s)	GOhm	10
Dielectric strength (VAC, 50Hz, 1min, 1bar)	kV	1
Vibration (Amax = 0.75mm, f = 30…500 Hz)	g	10
Shock	g	50

GL200

Applications
- Door control system
- Road roller

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

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



Ideal potentiometer wiring
Our potentiometers should be ideally used as an unloaded voltage divider.
If the potentiometer is loaded, nonlinearities arise due to the load resistance and the contact resistance.

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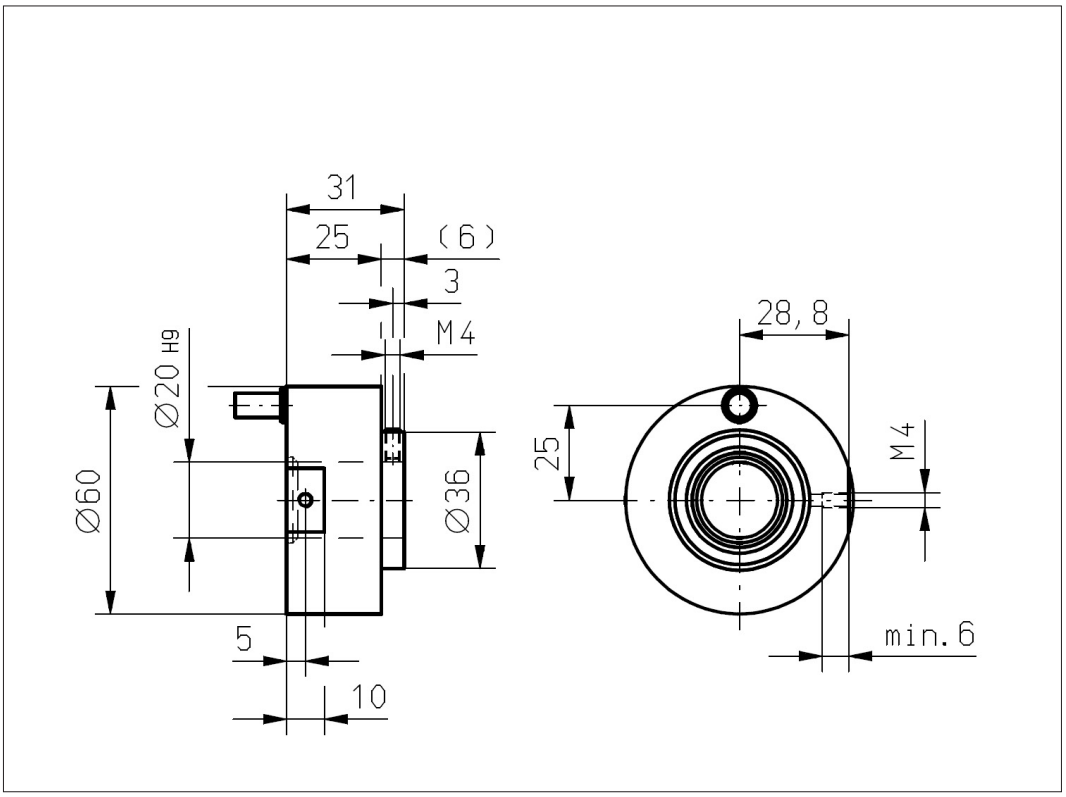

GL200

Accessories (incl.)
- None

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Electrical Data		
Nominal resistance	kOhm	10/20
Resistance tolerance	%	±20
Independent linearity	% of meas. range	±0.25
Electrical angle	°	150/340
Repeatability	°	max. 0.1
Temperature coefficient of the voltage divider	ppm/°C	50
Recommended wiper current	µA	max. 1
Max. wiper current in case of malfunction	mA	10
Power rating P	W/40°C	max. 0.5
Min. life (electrical)	movements	20 Mio.

Mechanical Data		
Mechanical range	°	348
Torque	Ncm	max. 6
Min. life (mechanical)	movements	10 Mio.
Operating temperature	°C	-25 ... +75
Storage temperature	°C	-25 ... +105
Protection class		IP63

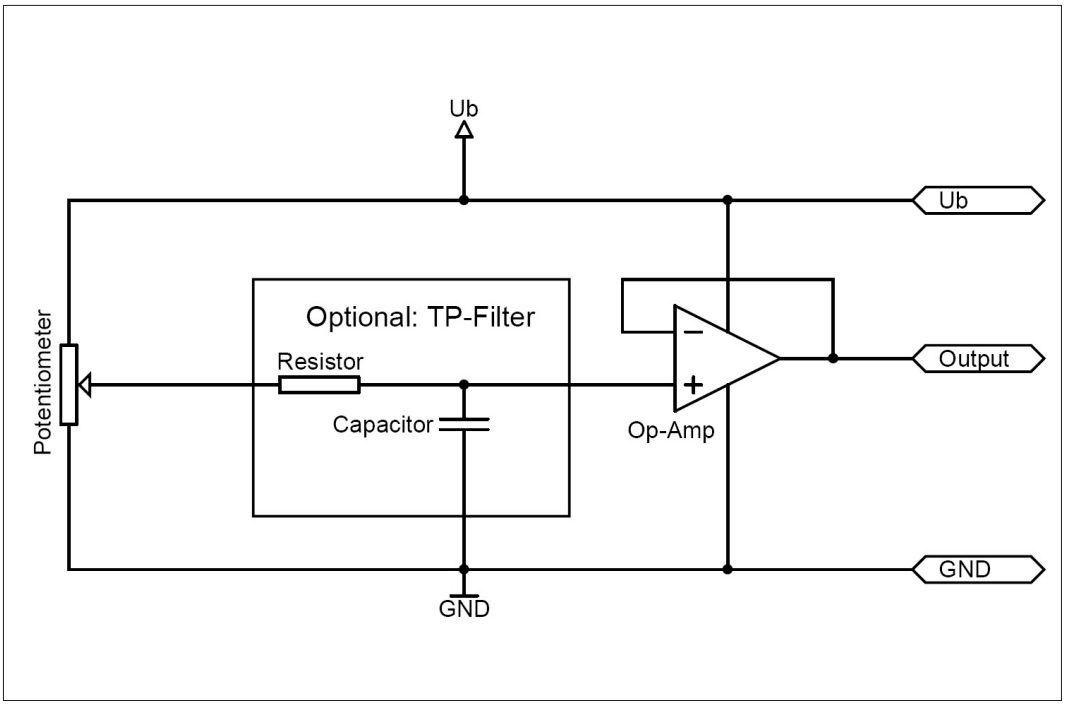
Standards		
Insulating resistance (500 VDC, 1bar, 2s)	GOhm	10
Dielectric strength (VAC, 50Hz, 1min, 1bar)	kV	1
Vibration (Amax = 0.75mm, f = 30…500 Hz)	g	10
Shock	g	50

GL300

Applications
- Door control system
- Road roller

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

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



Ideal potentiometer wiring
Our potentiometers should be ideally used as an unloaded voltage divider.
If the potentiometer is loaded, nonlinearities arise due to the load resistance and the contact resistance.

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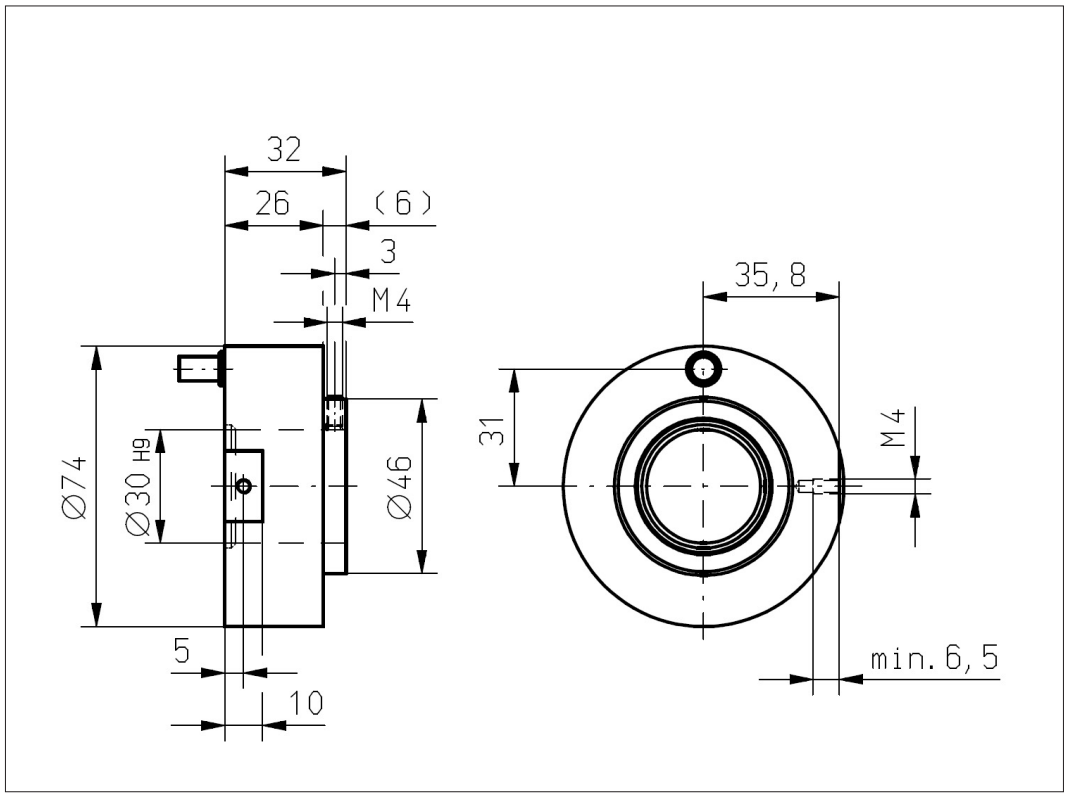

GL300

Accessories (incl.)
- None

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Electrical Data		
Nominal resistance	kOhm	10/20
Resistance tolerance	%	±20
Independent linearity	% of meas. range	±0.25
Electrical angle	°	150/340
Repeatability	°	max. 0.1
Temperature coefficient of the voltage divider	ppm/°C	50
Recommended wiper current	µA	max. 1
Max. wiper current in case of malfunction	mA	10
Power rating P	W/40°C	max. 0.5
Min. life (electrical)	movements	20 Mio.

Mechanical Data		
Mechanical range	°	350
Torque	Ncm	max. 15
Min. life (mechanical)	movements	10 Mio.
Operating temperature	°C	-25 ... +75
Storage temperature	°C	-25 ... +105
Protection class		IP63

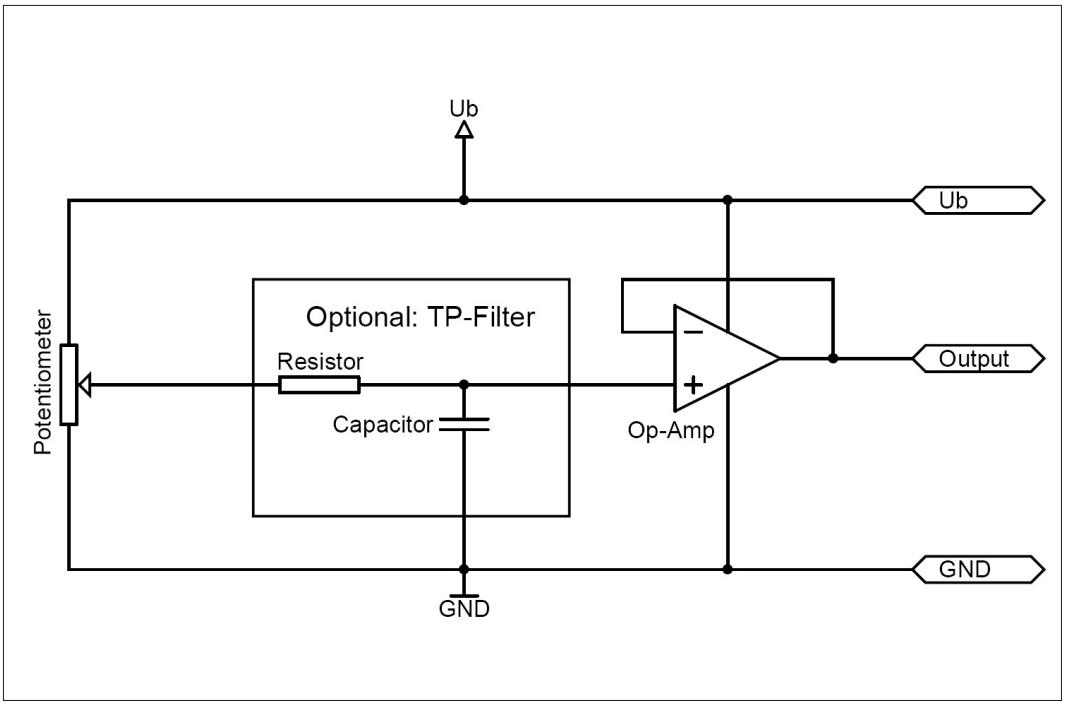
Standards		
Insulating resistance (500 VDC, 1bar, 2s)	GOhm	10
Dielectric strength (VAC, 50Hz, 1min, 1bar)	kV	1
Vibration (Amax = 0.75mm, f = 30…500 Hz)	g	10
Shock	g	50

GL400

Applications
- Door control system
- Road roller

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

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



Ideal potentiometer wiring
Our potentiometers should be ideally used as an unloaded voltage divider.
If the potentiometer is loaded, nonlinearities arise due to the load resistance and the contact resistance.

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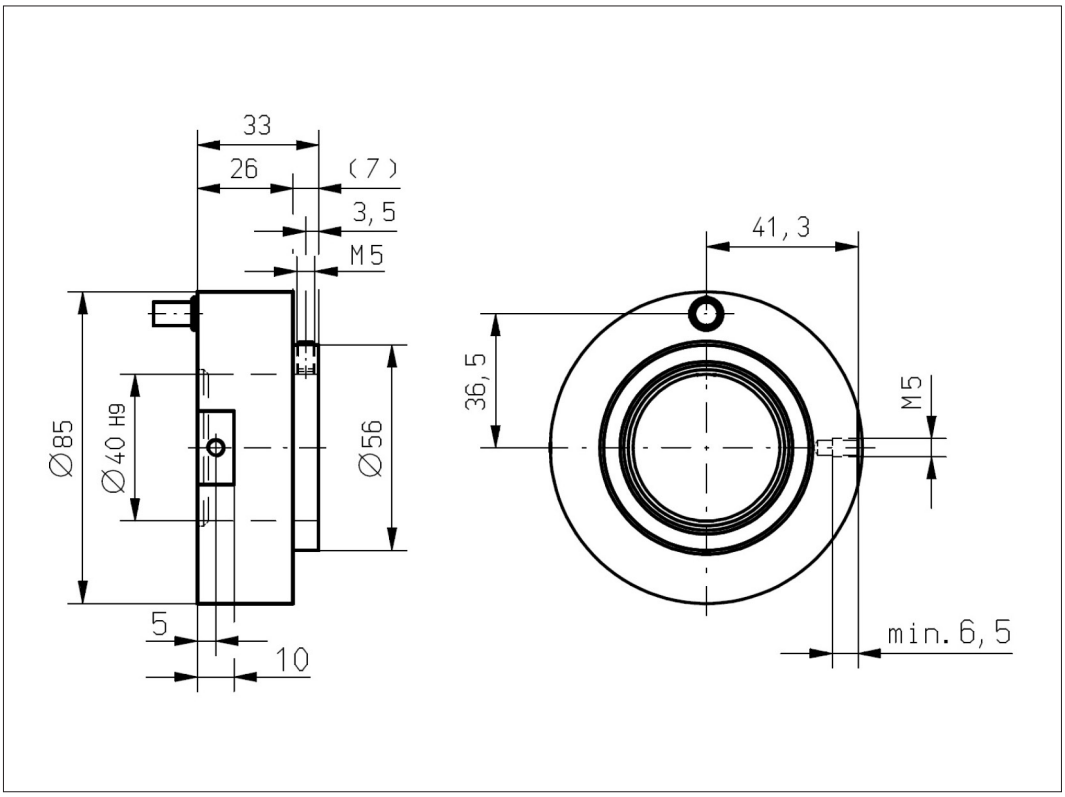

GL400

Accessories (incl.)
- None

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Electrical Data		
Nominal resistance	kOhm	10/20
Resistance tolerance	%	±20
Independent linearity	% of meas. range	±0.25
Electrical angle	°	150/340
Repeatability	°	max. 0.1
Temperature coefficient of the voltage divider	ppm/°C	50
Recommended wiper current	µA	max. 1
Max. wiper current in case of malfunction	mA	10
Power rating P	W/40°C	max. 0.5
Min. life (electrical)	movements	20 Mio.

Mechanical Data		
Mechanical range	°	350
Torque	Ncm	max. 15
Min. life (mechanical)	movements	10 Mio.
Operating temperature	°C	-25 ... +75
Storage temperature	°C	-25 ... +105
Protection class		IP63

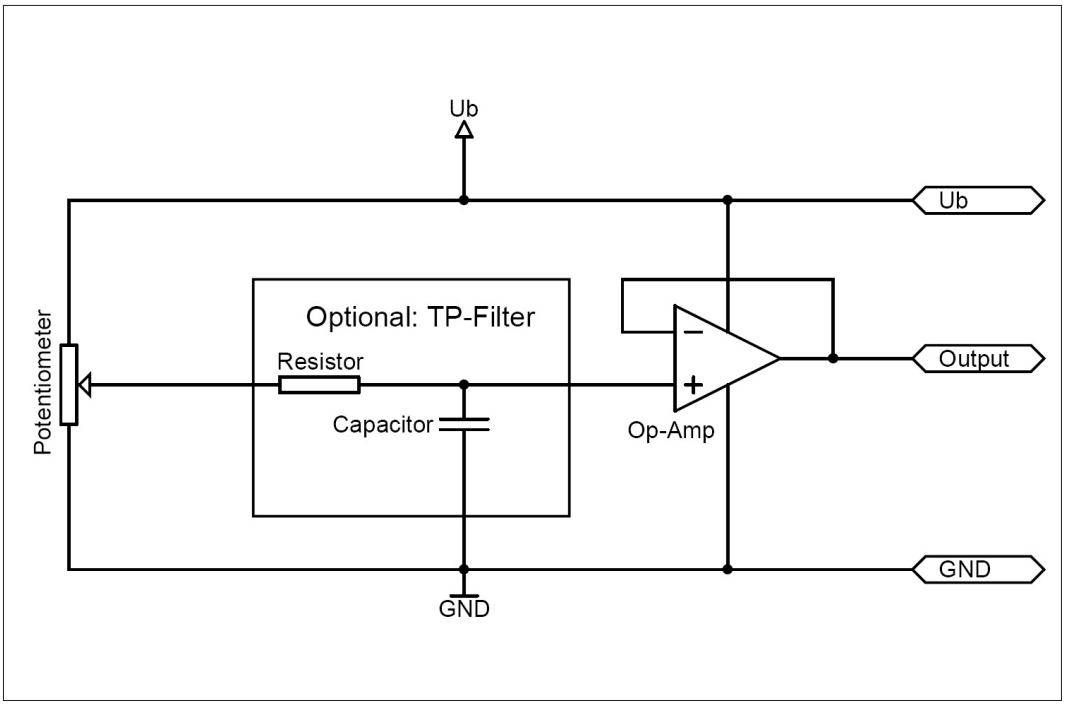
Standards		
Insulating resistance (500 VDC, 1bar, 2s)	GOhm	10
Dielectric strength (VAC, 50Hz, 1min, 1bar)	kV	1
Vibration (Amax = 0.75mm, f = 30…500 Hz)	g	10
Shock	g	50

GL500

Applications
- Door control system
- Road roller

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

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



Ideal potentiometer wiring
Our potentiometers should be ideally used as an unloaded voltage divider.
If the potentiometer is loaded, nonlinearities arise due to the load resistance and the contact resistance.

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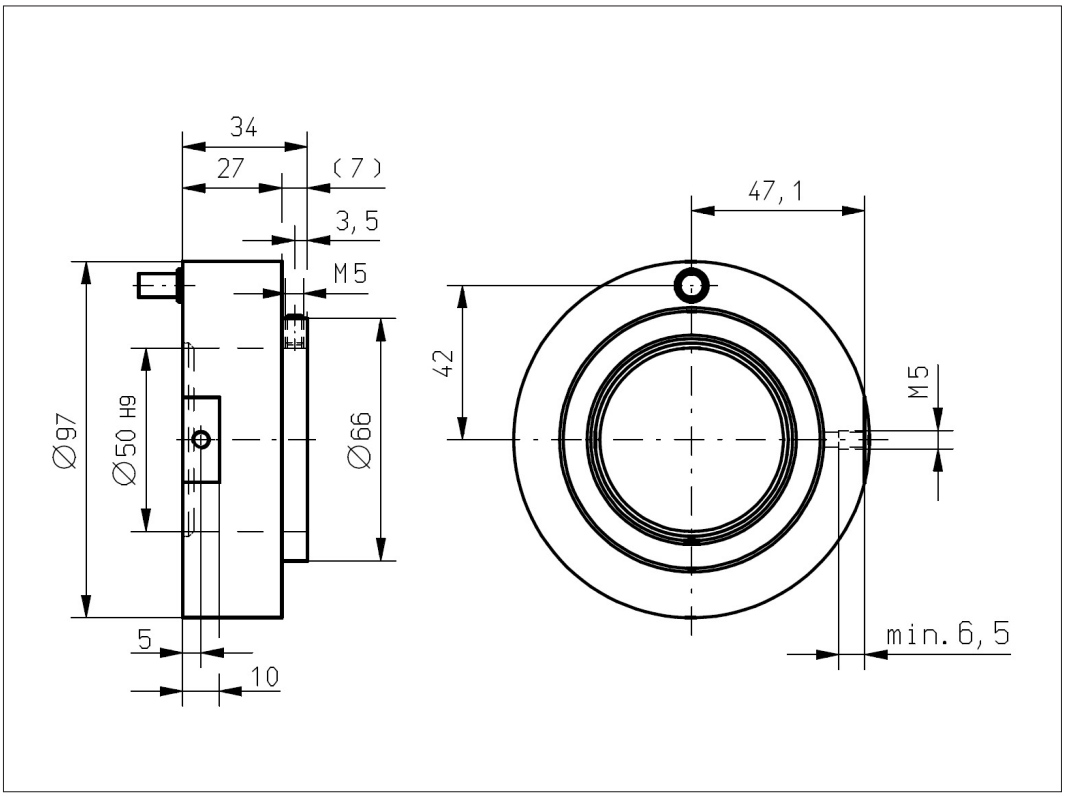

GL500

Accessories (incl.)
- None

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