



KL100 (KL10/KLR10)

Applications

- Gas pedal

Features

- Compact dimensions
- Design flexibility
- 5 Mio. cycles
- Excellent linearity up to $\pm 0.5\%$
- Very good resolution, better 0,05mm

Options

- Linearity $\pm 0.5\%$
- Nominal resistances between 1KOhm and 20KOhm
- Pass trough push rod
- Longer push rod
- Connection by wires
- Longer cable
- Tandem-ganged
- Without bushing
- With bushing M6x0.75 or M10x0.75
- With or without return spring

Electrical Data		
Nominal resistance	kOhm	1
Resistance tolerance	%	± 20
Independent linearity	% of meas. range	± 1
Electrical travel	mm	10
Repeatability	mm	0.05
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)	cycles	10 Mio.
Mechanical Data		
Mechanical travel	mm	10
Adjusting force of the push rod	N	max. 3
Adjusting force of the push rod with return spring	N	max. 10
Min. life (mechanical)	cycles	5 Mio.
Operating temperature	°C	-25 ... +75
Storage temperature	°C	-25 ... +105
Protection class		IP65
Standards		
Insulating resistance (500 VDC, 1bar, 2s)	GOhm	10
Dielectric strength (VAC, 50Hz, 1min, 1bar)	V	700
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



KL250 (KL25/KLR25)

Applications

- Gas pedal

Features

- Compact dimensions
- Design flexibility
- 5 Mio. cycles
- Excellent linearity up to $\pm 0.25\%$
- Very good resolution, better 0,05mm

Options

- Linearity $\pm 0.25\%$
- Nominal resistances between 1KOhm and 20KOhm
- Pass trough push rod
- Longer push rod
- Connection by wires
- Longer cable
- Tandem-ganged
- Without bushing
- With bushing M6x0.75 or M10x0.75
- With or without return spring

Electrical Data		
Nominal resistance	kOhm	5
Resistance tolerance	%	± 20
Independent linearity	% of meas. range	± 1
Electrical travel	mm	25
Repeatability	mm	0.05
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)	cycles	10 Mio.
Mechanical Data		
Mechanical travel	mm	25
Adjusting force of the push rod	N	max. 3
Adjusting force of the push rod with return spring	N	max. 10
Min. life (mechanical)	cycles	5 Mio.
Operating temperature	°C	-25 ... +75
Storage temperature	°C	-25 ... +105
Protection class		IP65
Standards		
Insulating resistance (500 VDC, 1bar, 2s)	GOhm	10
Dielectric strength (VAC, 50Hz, 1min, 1bar)	V	700
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



KL500 (KL50/KLR50)

Applications

- Gas pedal

Features

- Compact dimensions
- Design flexibility
- 5 Mio. cycles
- Excellent linearity up to $\pm 0.25\%$
- Very good resolution, better 0,05mm

Options

- Linearity $\pm 0.25\%$
- Nominal resistances between 1KOhm and 20KOhm
- Pass trough push rod
- Longer push rod
- Connection by wires
- Longer cable
- Tandem-ganged
- Without bushing
- With bushing M6x0.75 or M10x0.75
- With or without return spring

Electrical Data		
Nominal resistance	kOhm	5
Resistance tolerance	%	± 20
Independent linearity	% of meas. range	± 1
Electrical travel	mm	50
Repeatability	mm	0.05
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)	cycles	10 Mio.

Mechanical Data		
Mechanical travel	mm	50
Adjusting force of the push rod	N	max. 3
Adjusting force of the push rod with return spring	N	max. 10
Min. life (mechanical)	cycles	5 Mio.
Operating temperature	°C	-25 ... +75
Storage temperature	°C	-25 ... +105
Protection class		IP65

Standards		
Insulating resistance (500 VDC, 1bar, 2s)	GOhm	10
Dielectric strenght (VAC, 50Hz, 1min, 1bar)	V	700
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



KL750 (KL75/KLR75)

Applications

- Gas pedal

Features

- Compact dimensions
- Design flexibility
- 5 Mio. cycles
- Excellent linearity up to $\pm 0.25\%$
- Very good resolution, better 0,05mm

Options

- Linearity $\pm 0.25\%$
- Nominal resistances between 1KOhm and 20KOhm
- Pass trough push rod
- Longer push rod
- Connection by wires
- Longer cable
- Tandem-ganged
- Without bushing
- With bushing M6x0.75 or M10x0.75
- With or without return spring

Electrical Data		
Nominal resistance	kOhm	5
Resistance tolerance	%	± 20
Independent linearity	% of meas. range	± 1
Electrical travel	mm	75
Repeatability	mm	0.05
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)	cycles	10 Mio.

Mechanical Data		
Mechanical travel	mm	75
Adjusting force of the push rod	N	max. 3
Adjusting force of the push rod with return spring	N	max. 10
Min. life (mechanical)	cycles	5 Mio.
Operating temperature	°C	-25 ... +75
Storage temperature	°C	-25 ... +105°C
Protection class		IP65

Standards		
Insulating resistance (500 VDC, 1bar, 2s)	GOhm	10
Dielectric strength (VAC, 50Hz, 1min, 1bar)	V	700
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



KL1000 (KL100)

Applications

- Gas pedal

Features

- Compact dimensions
- Design flexibility
- 5 Mio. cycles
- Excellent linearity up to $\pm 0.25\%$
- Very good resolution, better 0,05mm

Options

- Linearity $\pm 0.25\%$
- Nominal resistances between 1KOhm and 20KOhm
- Pass trough push rod
- Longer push rod
- Connection by wires
- Longer cable
- Tandem-ganged
- Without bushing
- With bushing M6x0.75 or M10x0.75

Electrical Data

Nominal resistance	kOhm	5
Resistance tolerance	%	± 20
Independent linearity	% of meas. range	± 1
Electrical travel	mm	100
Repeatability	mm	0.05
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)	cycles	10 Mio.

Mechanical Data

Mechanical Weg	mm	100
Adjusting force of the push rod	N	max. 3
Min. life (mechanical)	cycles	5 Mio.
Operating temperature	°C	-25 ... +75
Storage temperature	°C	-25 ... +105
Protection class		IP65

Standards

Insulating resistance (500 VDC, 1bar, 2s)	GOhm	10
Dielectric strength (VAC, 50Hz, 1min, 1bar)	V	700
Vibration ($A_{max} = 0.75\text{mm}$, $f = 30 \dots 2000\text{ Hz}$)	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