

WILLBURGER GmbH Kreativität und Handel

Auf der Schuchen 11, D 82418 Seehausen

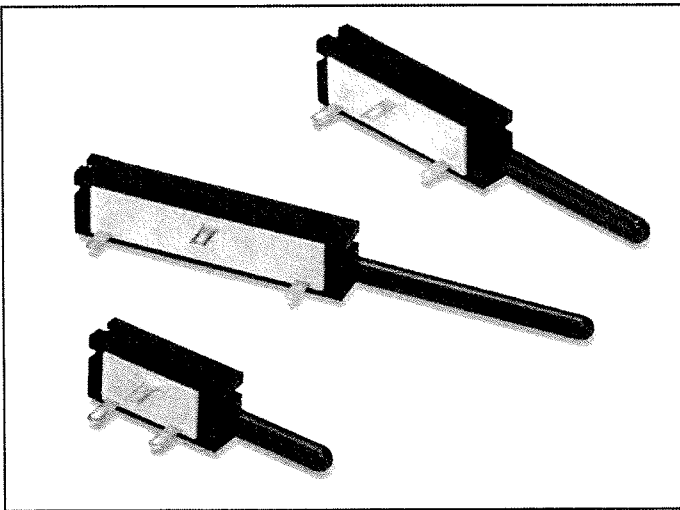
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KTP Series

LINEAR MOTION POSITION SENSORS

Miniature Spring Return 13-38mm

NON-Expensive Miniature Spring Return Type



KTP linear motion position sensor is ideal for a variety of applications requiring a highly miniaturized solution. It features repeatability within ± 0.0127 mm, good shock and vibration resistance and it is ideally suitable for use in joystick controls, robotics and industrial automation and controls at low cost

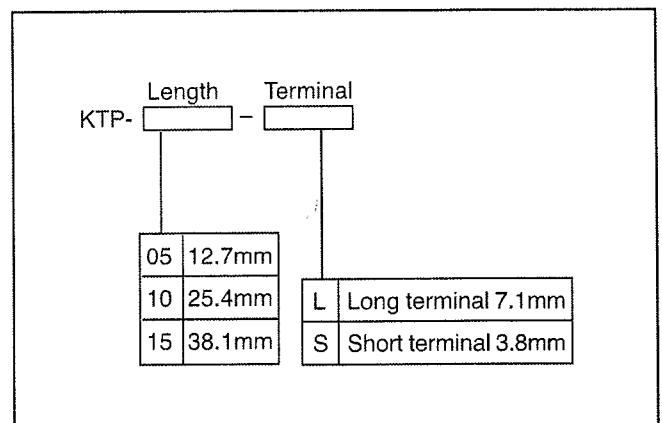
Unique Features

- Integral slider / contact assembly assures smooth, noise-free travel
- Smooth low noise output
- Spring return design
- High Resolution: infinite
- Long operating life: 2 million cycles
- Miniature size

Technical Specifications

Current	Resistance Track $\leq 10\text{mA}$ Wiper $\leq 1\text{mA}$
Actuation Force	4 N max Supplied with internal spring to return actuator to extended position
Mechanical Life:	2,000,000 full cycles 5,000,000 dither cycles
Power Consumption:	KTP05 0.2W KTP10 0.5W KTP15 0.35W
Linearity:	$\pm 2\%$
Vibration:	1.5 Gs 50 to 1000Hz 2 hrs each plane
Shock:	up to 50 Gs

ORDER CODE

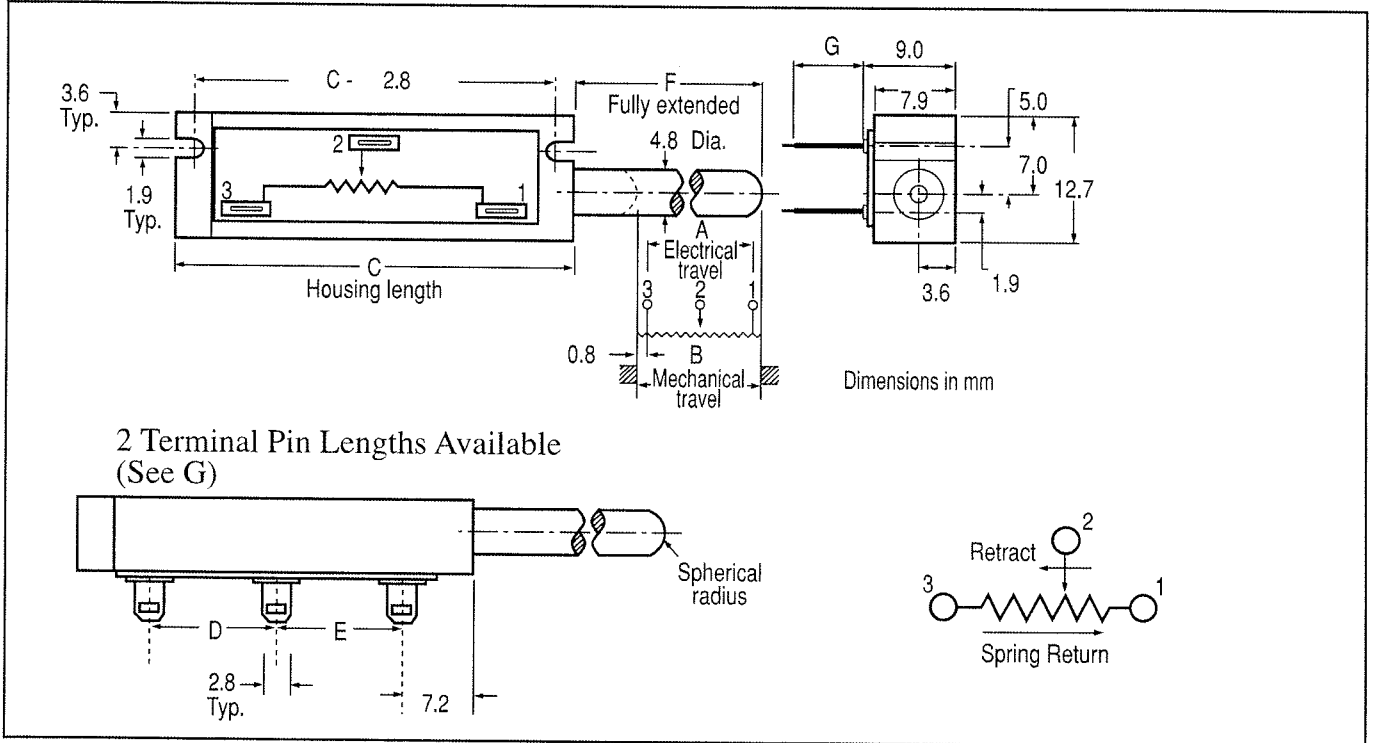


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MECHANICAL DIMENSIONS



KTP Series		05	10	15
Total Electrical Travel T.E. (A)	mm	12.7	25.4	38.1
Active Electrical Travel A.E	mm	10.0	22.8	35.6
Resistance $\pm 20\%$	K Ω	1.7	3.4	5.1
Independent Linearity	$\pm\%$	2	2	2
Mechanical Travel (B)	mm	14.2	26.9	39.6
Resolution		infinite		
Recomend Cursor Current	mA	≤ 1 mA		
Temperature Range	$^{\circ}\text{C}$	-40°C to 135°C		
Housing Length (C)	mm	26.9	39.6	52.3
Terminal Spacing (D)	mm	7.6	12.7	20.3
Terminal Spacing (E)	mm	5.1	12.7	17.8
Fully Extended Length (F) ± 0.4	mm	20.6	33.3	46.0
Terminal Length Long (G)	mm	7.1	7.1	7.1
Terminal Length Short (G)	mm	3.8	3.8	3.8

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