Conductive Plastic
Potentiometric
Position Transducers

KL Series with Return
Spring

Special features
• very small dimensions
• 10 x 10⁶ movements
• high resolution – better than 0.1 mm

Designed for measuring applications in limited space, the KL with return spring housing is only 13 mm wide.

Careful selection of the materials and high quality components used in KL with return spring potentiometers ensure consistent measurement and reliable operation throughout the service life of the sensor.

Special designs with better lineairties are available on request.

Description
Size | see Mechanical Data
Housing | aluminum, anodized
Bearings | sleeve bearing
Resistance element | conductive plastic
Wiper assembly | precious metal multi-finger wiper
Electrical connections | cable 1 m PUR 3 x 0.06 mm²
Important

All values given for this series – including linearity, lifetime, micro-linearity, resistance to external disturbances and temperature coefficient in voltage dividing mode – are quoted for the device operating with the wiper voltage driving an operational amplifier working as a voltage follower where virtually no load is applied to the wiper (le ≤ 1 µA).

Included in delivery
Nut M6x0.75 (version SEFZN)
Nut M10x0.75 (version SEFZM)

Recommended accessories
MAP process-control indicators and display. MUP signal conditioner for standardized output signals.

Order designations

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<th>Type</th>
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Subject to changes
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