

Mechanical data

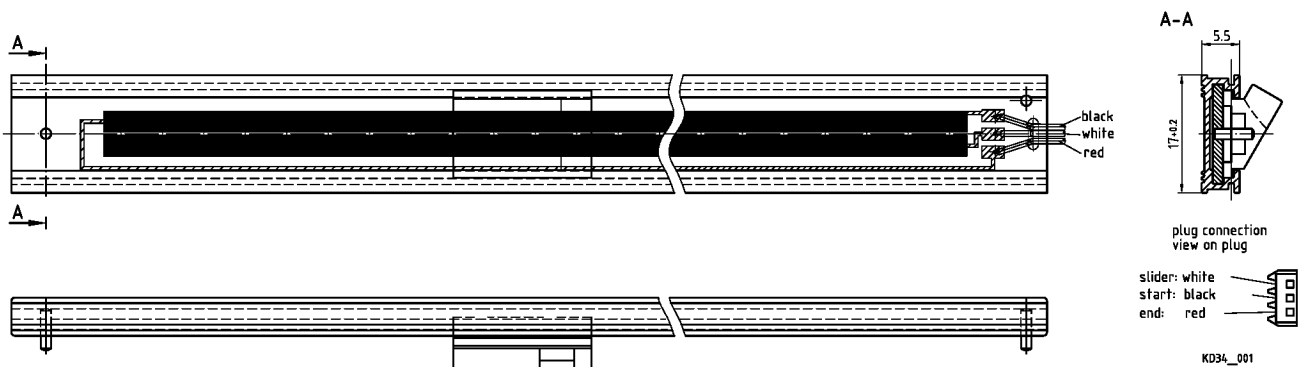
- 1.1 Base plate..... : Aluminium
- 1.2 Electrical path..... : see table ($\pm 0,5$ mm)
- 1.3 Resistor element..... : Conductive plastic
- 1.4 Slider tap..... : Multiple tap (brush)
- 1.5 Type of connection..... : Terminal wires
- 1.6 Adjustment speed..... : max. 0,5 m/s
- 1.7 Actuating force..... : $< 1,2$ N
- 1.8 Hysteresis..... : $< 0,05$ %
- 1.9 Life cycle..... : see table

Electrical data

- 2.1 Resistance values (standard)..... : 10 K
- 2.2 Resistance tolerance..... : ± 20 %
- 2.3 Linearity tolerance..... : ± 2 %
- 2.4 Max. power rating (40°C)..... : 0,25 Watt
- 2.5 Max. power rating (70°C)..... : 1,0 Watt
- 2.6 Dissolution..... : $< 0,01$ mm
- 2.7 Slider current..... : $< 0,1$ mA
- 2.8 Max. slider current..... : 3 mA
- 2.9 Insulation resistance..... : 500 M-Ohm
- 2.10 Supply voltage..... : 24 VDC
- 2.11 Max. voltage..... : 50 VDC
- 2.12 Operating temperature..... : -20 °C ... $+120$ °C
- 2.13 Storage temperature : -40 °C ... $+120$ °C
- 2.14 Temperature coefficient..... : max. 500 ppm/°C



electrical path	mechanical path (-3 mm)	hub	total length	life cycle
125	120	100	150	$2,5 \times 10^6$ slider path
175	170	150	200	$2,5 \times 10^6$ slider path
225	220	200	250	$2,5 \times 10^6$ slider path
275	270	250	300	max. 1×10^6 slider path



Displacement transducer is individually packed in PE-tubular foil 100 μ m, 50 mm wide (part#: 104768).