

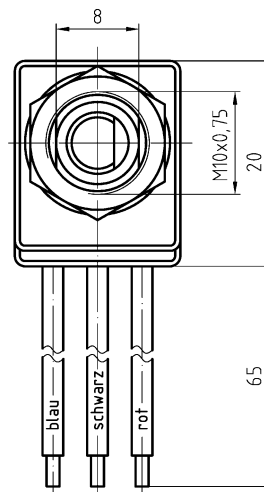
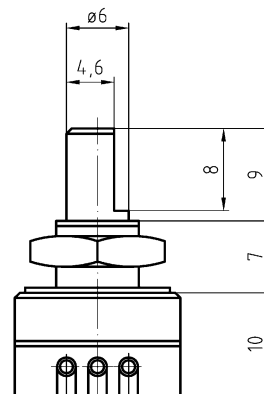
Precision Conductive Plastic Potentiometer LP11 Ltz

Conductive Plastic, Terminal Wires



Mechanical Data

- 1.1 Housing.....: Reinforced glass-fibre plastic
- 1.2 Shaft.....: Plastic $\varnothing 6$ (option metal reinforced)
- 1.3 Bearing.....: Sliding bearing
- 1.4 Resistance element.....: Conductive plastic
- 1.5 Slider tap / wiper tap.....: Multiple tap
- 1.6 Protection class.....: IP65
- 1.7 Type of connection.....: Terminal wires 0,5 mm²
- 1.8 Mounted by.....: Central fixing M10x0,75
- 1.9 Electrical rotation angle.....: 310°
- 1.10 Mechanical rotation angle.....: 320° - 5°
- 1.11 Short circuit track: 2x 5°
- 1.12 Rotation speed.....: max. 500 rpm
- 1.13 Torque.....: 2,5 ... 6,0 Ncm *1 (option 0,5 ... 1,5 Ncm)
- 1.14 Rotation life-time.....: 1x10⁶ slider path (360°)
- 1.15 End-stop strength.....: 50 Ncm
- 1.16 Tension strength at shaft.....: 80 N



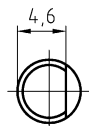
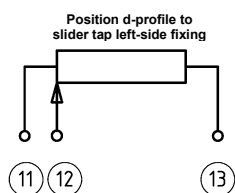
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Electrical Data

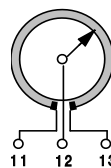
- 2.1 Resistance values, standard.....: 10 K-Ohm
- 2.2 Resistance tolerance.....: $\pm 20\%$
- 2.3 Max. initial and final resistance.....: 50 Ohm
- 2.4 Linearity tolerance.....: $\pm 2\%$
- 2.5 Insulation resistance.....: 8 G-Ohm
- 2.6 Test voltage.....: 1,5 kV, 50 Hz
- 2.7 Operating voltage: max. 50 V
- 2.8 Power rating.....: max. 1 Watt
- 2.9 Slider load current.....: max. 1 mA
- 2.10 Temperature range.....: -20 °C ... +100 °C
- 2.11 Temperature coefficient.....: ± 500 ppm/°C

*1 Torque measured with mounted nut (tightening torque 40 Ncm)

Insulation distance of 2 mm to housing outside edge must be observed.



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Terminal plan		
Point	Function	Colour
11	resistance	blue
12	slider	black
13	resistance	red

Scope of delivery includes:

Art.#: 101594 1 piece hexagon nut M10x0,75 depth = 2 mm, WS14