

Precision Conductive Plastic Potentiometer LP11 Ltz

Conductive Plastic, Terminal Wires



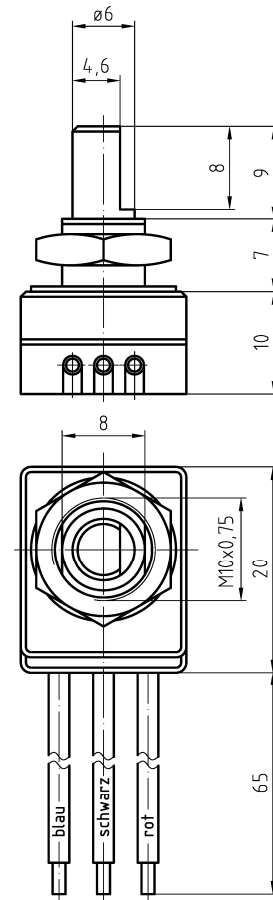
Mechanical Data

- 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 Housing protection class..... : IP 65
- 1.7 Type of connection..... : Terminal wires 0,5mm²
- 1.8 Mounted by..... : Central fixing M10 x 0,75
- 1.9 Electrical rotation angle..... : 310°
- 1.10 Mechanical rotation angle..... : 320° - 5°
- 1.11 Short circuit track : 2 x 5°
- 1.12 Rotation speed..... : Max. 500 rpm
- 1.13 Torque..... : 2,5 till max. 6,0 Ncm *1 (option 0,5 till 1,5 Ncm)
- 1.14 Rotation life-time..... : 1 x 10⁶ slider path (360°)
- 1.15 End-stop strength..... : 50 Ncm
- 1.16 Tension strength at shaft..... : 80 N

Electrical Data

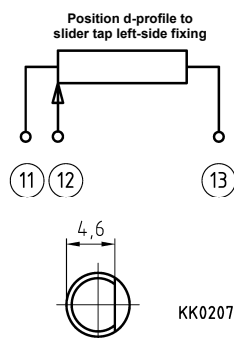
- 2.1 Resistance values, standard..... : 10 K-Ohm
- 2.2 Resistance tolerance..... : $\pm 20\%$
- 2.3 Max. initial and final resistance..... : 50 Ohm
- 2.4 Linearity tolerance..... : $\pm 2\%$
- 2.5 Insulation resistance..... : 8 G-Ohm
- 2.6 Test voltage..... : 1,5 kV, 50 Hz
- 2.7 Operating voltage :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

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

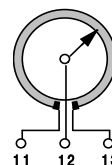


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Insulation distance of 2mm to housing outside edge must be observed.



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Terminal Plan

Point	Function	Colour
11	winding	blue
12	slider	black
13	winding	red

Scope of delivery includes:

Art.#: 006.100030.01 1 piece hexagon nut M10x0,75 depth=2mm, WS14

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