Precision – Wirewound Potentiometer DP18 St Es

Customer#: 10628

Single tapping, plug connection, maintenance-free sliding bearing, power switch 1x Ag

Mechanical Data

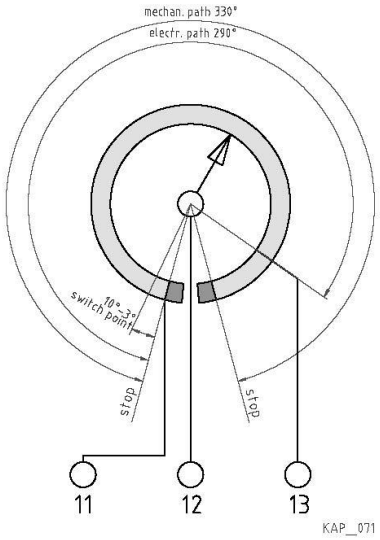
1.1	Housing	Reinforced glass fibre plastic
1.2	Shaft	Stainless steel ø6^{h9}
1.3	Bearing	Maintenance-free sliding bearing
1.4	Resistor element	Precision wire winding
1.5	Slider tap / Wiper tap	Noble metal, single
1.6	Housing protection class	IP 60
1.7	Type of connection	Blade terminal DIN 46342
1.8	Mounted by	Central fixing M10 x 0,75
1.9	Mechanical rotation angle	330° +2°, stops
1.10	Electrical rotation angle	290° -1° +2°
1.11	Rotation speed	Max. 60 U/min
1.12	Torque	3,0 bis 6,0 Ncm
1.13	Rotation load life	5 x 10^6 Slider path (360°)
1.14	End-stop strength	50 Ncm

Electrical Data

2.1	Resistance values, standard	10 K-Ohm
2.2	Resistance tolerance max	± 5%
2.3	Resolution at 5 K Ohm / 330°	0,15%
2.4	Lowest starting resistance	1% (of total resistance => 1K)
2.5	Linearity tolerance	± 0,4%
2.6	Insulation resistance	20 M-Ohm
2.7	Test voltage	500 V, 50 Hz
2.8	Operating voltage	Max. 40 V
2.9	Power rating	Max. 1,5 Watt
2.10	Slider load current	1 mA (max. load life)
2.11	Temperature range	-20°C bis +100°C
2.12	Temperature coefficient	20 ppm/°C

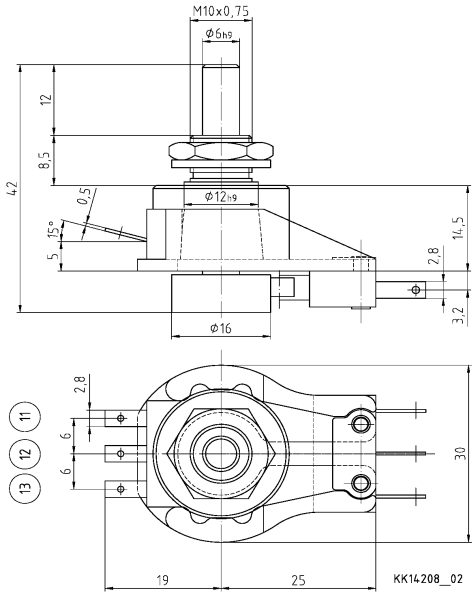
Limit Switch – Data

3.1	Rating	6A current, 250V
3.2	Contact material	Silver - Crosspoint
3.3	Contact function	Transfer switch
3.4	Protection class	IP 40
3.5	Connections	Contact bolts
3.6	Surrounding temperature	-40 up to +120°C



terminal plan	
point	function
11	winding
12	slider
13	winding

Tolerance of set point changed 27.04.09



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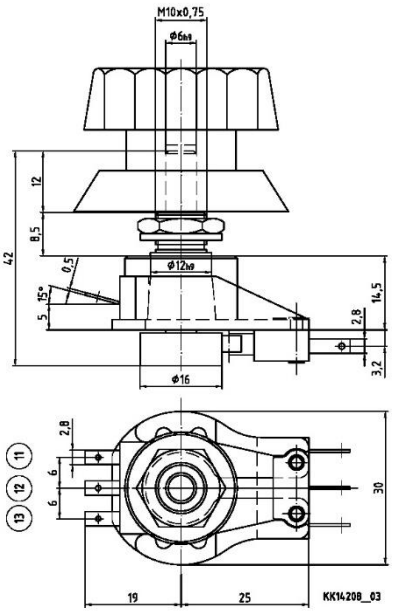

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