

# Precision Wirewound Potentiometer T18 – 500

Customer#: 10421



## Mechanical Data

- 1.1 Housing..... : Reinforced glass fibre plastic
- 1.2 Shaft..... : Stainless steel  $\phi 6^{h9}$
- 1.3 Bearing..... : Sliding bearing
- 1.4 Resistance element..... : Precision wire
- 1.5 Slider tap..... : Noble metal, single
- 1.6 Housing protection class..... : IP 60
- 1.7 Mounting element..... : Central fixing M9 x 0,75
- 1.8 Mechanical rotation angle..... :  $320^\circ -2^\circ + 2^\circ$ , Stops
- 1.9 Electrical rotation angle..... :  $316^\circ -1^\circ + 2^\circ$
- 1.10 Adjustment speed..... : max. 60 rpm
- 1.11 Torque..... : till 1,0 Ncm
- 1.12 Life cycle..... :  $1 \times 10^6$  slider path ( $360^\circ$ )
- 1.13 End stop strength..... : 50 Ncm

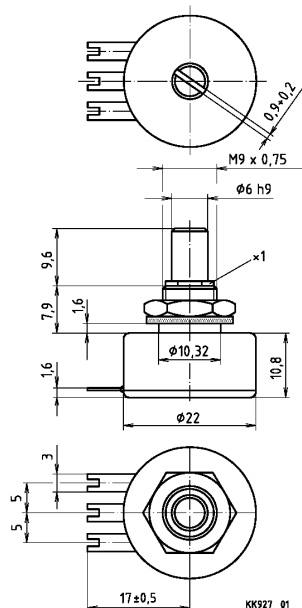


## Electrical Data

- 2.1 Resistance values, standard... : acc. to table
- 2.2 Resistance value, max..... : 10 K-Ohm
- 2.3 Resistance tolerance..... :  $\pm 5\%$
- 2.4 Residual resistance..... :  $4 \Omega$  ( till  $10K \Omega$  )
- 2.5 Linearity tolerance..... :  $\pm 0,5\%$
- 2.6 Insulation resistance..... : 1000 M-Ohm
- 2.7 Test voltage..... : 500 V, 50 Hz
- 2.8 Operational voltage ..... : max. 50 V
- 2.9 Total load..... : max. 1,5 Watt

## Environmental Conditions

- 3.1 Temperature range..... :  $-40^\circ\text{C}$  till  $+125^\circ\text{C}$
- 3.2 Temperature coefficient..... : 50 ppm/ $^\circ\text{C}$
- 3.3 Vibration strength..... : 10 till 500 Hz / 1g



terminal plan function right turning		
point	function	colour
11	winding	green
12	slider	white
13	winding	brown

Article#	Article#	Total Resistance	Type - Description
ALTMANN	Customer#		
104234	K200-000-841	200 $\Omega$	Precision Potentiometer T18 – 500 - 01
104235	K200-000-846	1000 $\Omega$	Precision Potentiometer T18 – 500 - 02
104905	K200-000-837	100 $\Omega$	Precision Potentiometer T18 – 500 - 03
104890	K200-000-838	130 $\Omega$	Precision Potentiometer T18 – 500 - 04
104869 *2	K200-000-839	135 $\Omega$	Precision Potentiometer T18 – 500 - 05
*2	K200-000-840	140 $\Omega$	Precision Potentiometer T18 – 500 - 06
*2	K200-001-531	150 $\Omega$	Precision Potentiometer T18 – 500 - 07
105346	K200-000-842	220 $\Omega$	Precision Potentiometer T18 – 500 - 08
105632	K200-000-843	300 $\Omega$	Precision Potentiometer T18 – 500 - 09
*2	K200-000-844	400 $\Omega$	Precision Potentiometer T18 – 500 - 10
105899	K200-000-845	500 $\Omega$	Precision Potentiometer T18 – 500 - 11
*2	K200-001-546	600 $\Omega$	Precision Potentiometer T18 – 500 - 12
105538	K200-000-847	2000 $\Omega$	Precision Potentiometer T18 – 500 - 13
105010	K200-000-848	5000 $\Omega$	Precision Potentiometer T18 – 500 - 14
105587	K200-000-849	10.000 $\Omega$	Precision Potentiometer T18 – 500 - 15

### Remark for control:

\*1 as from F07244 the spreader ring has been replaced by a snap ring.

\*2 Articles will not be required any more by customer acc. to information from customer on 27.05.2010.

**Design:** The potentiometer is turning clockwise. The resistance value, measured at slider position at left-side stop (beginning), has to meet the value of max. 4,0  $\Omega$ . For the resistance value measured at slider position at right-side stop (end) there are no tolerances fixed.

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