

# Precision - Wirewound - Potentiometer DP113 Ze Hv Sf

Central fixing M12 x 1

# ALTMANN

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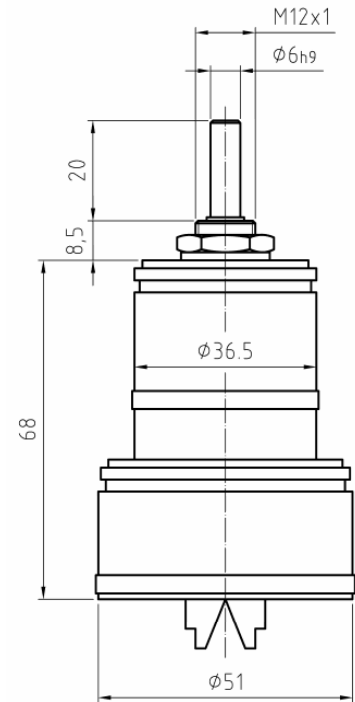
A Precision - Potentiometer for plant and machinery construction with central fixing. The potentiometer is equipped with stops. Various adapter plates for attachment facilitate the mounting at the place of use. Shafts with special lengths can be supplied individually also for single units.

### mechanical data

- 1.1 housing..... : aluminium
- 1.2 shaft..... : stainless steel  $\varnothing 6^{h9}$
- 1.3 bearing..... : maintenance-free sliding bearing
- 1.4 resistor element..... : precision wire winding
- 1.5 slider / wiper tap..... : noble metal, single
- 1.6 housing protection class..... : IP 64
- 1.7 type of connection..... : terminal block
- 1.8 mounted by..... : central fixing M12 x 1
- 1.9 electrical rotation angle..... :  $330^\circ -1^\circ +2^\circ$
- 1.10 mechanical rotation angle..... :  $330^\circ +2^\circ$
- 1.11 rotation speed..... : max. 60 rpm
- 1.12 torque..... : 2 to 3 Ncm
- 1.13 rotation load life..... :  $10 \times 10^6$  slider path ( $360^\circ$ )
- 1.14 end-stop strength..... : 150 Ncm

### electrical data

- 2.1 resistance values, standard..... : 1, 2, 5, 10 K-Ohm
- 2.2 resistance values, max.possible.. : 60 K-Ohm
- 2.3 resistance tolerance..... :  $\pm 3\%$
- 2.4 lowest starting resistance..... : 0,05% of overall resistance
- 2.5 linearity tolerance..... :  $\pm 0,3\%$
- 2.6 insulation resistance..... : 20 M-Ohm
- 2.7 test voltage..... : 500 V, 50 Hz
- 2.8 operating voltage..... : max. 50 V
- 2.9 power rating..... : max. 2 Watt
- 2.10 slider load current..... : 1 mA ( max., load life )
- 2.11 temperature range..... :  $-50^\circ\text{C}$  till  $+100^\circ\text{C}$
- 2.12 temperature coefficient..... : 20 ppm/ $^\circ\text{C}$



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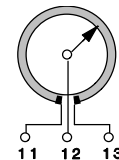
### options

- multiple version
- cable connection
- plug connection
- clamp connection to be used as solder
- connection after removal of clamps
- integrated measuring transducer
- 0/4...20mA or 0...10 VDC
- short-circuit tracks
- centre tap

- central fixing M10 x 0,75
- rotation angle, electrical and mechanical
- resistance tolerance:  $\pm 1\%$
- linearity: min. 0,1%
- shaft: special length, continuous
- slip coupling
- protection class IP65
- torque reduced: 0,1 to 0,2 Ncm

### accessories

- protective housing
- adapter plate
- bellows coupling
- pin coupling
- rotary knob
- scale



terminal plan

point	function
11	winding
12	slider
13	winding

## Technical data: Limit switch with gold contact (low voltage current-, measuring applications)

### mechanical data

- 1.1 Rest position..... : 11,6 mm max.
- 1.2 Differential movement..... : 0,3 mm max.
- 1.3 Type of connection..... : print connection
- 1.4 Housing..... : Polyamide, reinforced glass fibre
- 1.5 Lever actuator-arm..... : stainless steel
- 1.6 Mechanical Lifetime..... :  $2 \times 10^6$  actuations
- 1.7 Housing protection class..... : IP 67

### electrical data

- 2.1 Function..... : transfer switch, single pole
- 2.2 Max. amb. temperature..... :  $-40^\circ\text{C}$  till  $+85^\circ\text{C}$
- 2.3 Voltage..... : 12 VDC \*1
- 2.4 Switching performance..... : 20 mA \*1

\*1 Switching performance and lifetime acc. to EN 61058

Sheet #: ke1130

Amendment/ Print: 31.05.07 / 05.06.07

Order #:

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