

# Precisions - Linearpotentiometer DL25 Ze

Standardtype with Central Fixing and Synchro (Servo) Flange



The Precision - Linearpotentiometer DL25 is fit with an aluminium housing (15mm x 20mm) and a stainless steel pushrod to come up to industrial needs. Therefore the DL25 is a very precise motion potentiometer with a high resolution and the highest protection against environmental conditions.

The noble metal slider tap and the noble metal wirewound resistor element ensures a reliable function.

Available for 30 mm up to 200 mm motions.

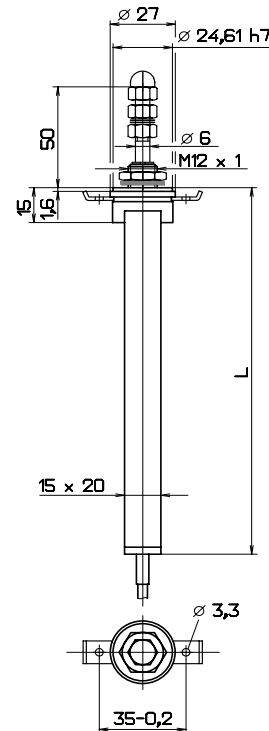


### mechanical data

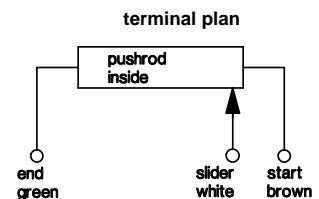
- 1.1 housing..... : aluminium
- 1.2 pushrod..... : stainless steel 6<sup>h8</sup>
- 1.3 bearing..... : permaglide sliding bear
- 1.4 resistor element..... : noble metal winding
- 1.5 slider tap..... : noble metal, multiple
- 1.6 housing protection class..... : IP 60
- 1.7 type of connection..... : cable connection, 3 m
- 1.8 fixing element..... : clamping claws (synchro-flange), central fixing M12 x 1
- 1.9 functional path..... : 30 ... 200 mm
- 1.10 motion speed..... : max. 1 m/sec
- 1.11 motion load life..... : 1 x 10<sup>6</sup> m travel

### electrical data

- 2.1 resistance values, standard..... : 1, 2, 5, 10 K-Ohm
- 2.2 resistance values,max possible : according to table
- 2.3 resistance tolerance..... : ± 3%
- 2.4 lowest starting resistance..... : 0,05% of overall resistance
- 2.5 linearity tolerance..... : ± 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..... : max. 1 mA
- 2.11 temperature coefficient..... : -50°C till +100°C
- 2.12 temperature range..... : 20 ppm/°C



type	motion	L	max.K Ohm	order #
DL25 / 30	30 mm	95 mm	25	33391
DL25 / 50	50 mm	115 mm	40	33392
DL25 / 100	100 mm	165 mm	80	33393
DL25 / 150	150 mm	215 mm	120	33394
DL25 / 200	200 mm	265 mm	160	33395



### options

- shorted segments
- taps
- different functional path
- resistance tolerance : 1%
- linearity: min. 0.1%
- pushrod: special length
- housing protection class IP65
- plug connection

### accessories

- adapter plate
- lengthened connection cable
- swivelhead
- plug

### other types

- external measuring transducer, 0...20 mA oder 4...20
- external caliper spring
- pushrod: extended on both sides

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