

Resistive Linear Position Transducer



- Measuring range 30mm – 150mm
- Long mechanical life 100.000.000 cycles
- Excellent repeatability
- Very low temperature drift
- Infinite resolution

Main Applications

General Automation Applications

Specifications

Mechanical stroke	30mm to 150mm
Linearity	± %0,05
Resolution	Infinite
Resistance output	5 Kohm or 10 Kohm
Resistance tolerance	± %20
Load resistance	Min. 100 Kohm
Repeatability	≤ %0.01
Mechanical life	100 * 10 ⁶ Cycles
Displacement speed	≤ 1,5 m/s
Permissible applied voltage	28 VDC max
Recommended cursor current	< 1 µA
Electrical connections	4 Pole connector
Case dimensions	33mm x 33mm
Case material	Anodized aluminium
Rod diameter	6mm
Rod material	Stainless steel
IP Degree	IP 54
Working temperature	- 20 / + 80 °C
Mechanical fixing	Variable brackets

Dimensions

Model	LM	Mechanical stroke (MS)	Electrical measuring stroke (EMS)	Total lenght (L)
LPS	30	32mm	30mm	173mm
LPS	50	52mm	50mm	193mm
LPS	75	77mm	75mm	218mm
LPS	100	102mm	100mm	243mm
LPS	125	127mm	125mm	268mm
LPS	130	132mm	130mm	273mm
LPS	150	152mm	150mm	293mm

Ordering Procedure

LPS	50	D	5K
<u>Model</u>	<u>Measurement Stroke</u>	<u>Linearity Class</u>	<u>Kohm Value</u>
		D: 0,05 %	5K: 5 KΩ 10K: 10 KΩ

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Mechanical dimensions

