

Resistive Linear Position Transducer



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

Main Applications

Plastic / Metal Injection Moulding Machineries, Textile Machineries, Transfer / Hydraulic Machineries, Marble / Stone Machineries and General Automation Applications

Specifications

| | |
|-----------------------------|------------------------------|
| Resistance | 5 Kohm or 10 Kohm |
| Resistance tolerance | ± %20 |
| Linearity | ± %0,5 ; ± %0,1 ± %0,05 |
| Repeatability | ≤ %0.01 |
| Load resistance | Min. 100 Kohm |
| Recommended cursor current | < 1 µA |
| Permissible applied voltage | 28 VDC |
| Electrical connections | 4 Pole, Hydraulic type |
| Mechanical stroke | 30 to 150 mm |
| Mechanical life | 100 * 10 ⁶ Cycles |
| Displacement speed | ≤ 5 m/s |
| Case material | Anodized aluminium |
| Mechanical fixing | Variable brackets |
| IP Degree | IP 67 |
| Working temperature | - 20 / + 80 °C |

Dimensions

| Model | LM | Mechanical Stroke (MS) | Electrical Measuring Stroke (EMS) |
|-------|-----|------------------------|-----------------------------------|
| LPS | 30 | 32 mm | 30 mm |
| LPS | 50 | 52 mm | 50 mm |
| LPS | 100 | 102 mm | 100 mm |
| LPS | 150 | 152 mm | 150 mm |

Mechanical Dimensions

