

Displacement encoder MLO-POT-750-TLF

Part number: 152631

FESTO



 General operating condition

Data sheet

| Feature | Value |
|---|---|
| CE marking (see declaration of conformity) | As per EU EMC directive |
| Measuring principle of linear potentiometer | Analog |
| Ambient temperature | -30 °C ... 100 °C |
| Recommended contact current | <1 µA |
| Max. short-time slider current | 10000 µA |
| Max. travel speed | 10 m/s |
| Max. travel acceleration | 200 m/s ² |
| Displacement resolution | 0.01 mm |
| Independent linearity | 0.04 % |
| Temperature coefficient | 5 ppm/K |
| Stroke | 750 mm |
| Output signal | Analog |
| Connection resistance | 10 kOhm |
| Connection resistance tolerance | 20 % |
| Nominal operating voltage DC | 10 V |
| Max. operating voltage DC | 42 V |
| Permissible voltage fluctuations | <1% |
| Max. current consumption | 4 mA |
| Electrical connection | Plug as per DIN 43650 Rectangular design |
| Structural design | with cover strip with sliding carriage Open profile |
| Coupling parallel quick coupling | ± 1.5 mm |
| Moment compensator angular offset | ± 1 ° |
| Mounting position | Any |
| Product weight | 1800 g |
| Housing material | Anodized |
| Covering material | Steel |
| Slide carriage housing material | Die-cast aluminum Polymer |
| Slide carriage coupling material | Steel |
| Cover material | Polymer |
| Material of assembly brackets | PEI |
| Degree of protection at top | as per IEC 60529 |
| Bottom degree of protection | as per IEC 60529 |

| Feature | Value |
|---|--------------------------------|
| Vibration resistance to DIN/IEC 68 Part 2-6 | Tested as per severity level 2 |
| Continuous shock resistance to DIN/IEC 68 Part 2-82 | Tested as per severity level 2 |
| LABS (PWIS) conformity | VDMA24364-B2-L |