

Displacement encoder MLO-POT-100-LWG

Part number: 192213

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 | 5 m/s |
| Max. travel acceleration | 200 m/s ² |
| Displacement resolution | 0.01 mm |
| Independent linearity | 0.1 % |
| Temperature coefficient | 5 ppm/K |
| Stroke | 100 mm |
| Output signal | Analog |
| Connection resistance | 3 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 | 16 mm 4-pin Plug Rectangular design |
| Structural design | Round profile with connecting rod |
| Moment compensator angular offset | ± 12.5 ° |
| Mounting position | Any |
| Product weight | 500 g |
| Housing material | Wrought aluminum alloy Anodized |
| Cover material | PBT-reinforced |
| Material of connecting rod | High-alloy stainless steel |
| Material of bearing seal | NBR |
| Material of rod seal | PTFE |
| Degree of protection | IP65 as per IEC 60529 |
| 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 |

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|------------------------|----------------|
| LABS (PWIS) conformity | VDMA24364-B2-L |