

Displacement encoder MLO-POT-150-LWG

Part number: 192214

FESTO



 General operating condition

Data sheet

| Feature | Value |
|---|-------------------------------------|
| CE mark (see declaration of conformity) | To EU EMC Directive |
| Functional principle of measuring system | Analogue |
| Ambient temperature | -30 °C ... 100 °C |
| Recommended wiper current | <1 µA |
| Max. wiper current, short-time | 10000 µA |
| Max. travel speed | 5 m/s |
| Max. travel acceleration | 200 m/s ² |
| Displacement resolution | 0.01 mm |
| Non-dependent linearity | 0.08 % |
| Temperature coefficient | 5 ppm/K |
| Stroke | 150 mm |
| Output signal | Analogue |
| Connection resistance | 5 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 Square design |
| Design | Round profile With operating rod |
| Angle offset of driver | ±12.5° |
| Mounting position | Any |
| Product weight | 600 g |
| Material housing | anodised |
| Material cover | Reinforced PBT |
| Material connecting rod | High-alloy stainless steel |
| Material bearing seal | NBR |
| Material rod seal | PTFE |
| Degree of protection | IP65 To IEC 60529 |
| Vibration resistance to DIN/IEC 68 Part 2-6 | Tested to severity level 2 |
| Continuous shock resistance to DIN/IEC 68 Part 2-82 | Tested to severity level 2 |
| LABS (PWIS) conformity | VDMA24364-B2-L |