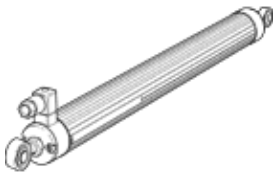


Displacement encoder MLO-POT-150-LWG

Part number: 192214

FESTO



Data sheet

| Feature | Value |
|--|--|
| CE symbol (see declaration of conformity) | according to EU-EMV guideline |
| Measuring method: displacement encoder | Analog |
| Ambient temperature | -30 ... 100 °C |
| Recommended wiper current | < 1 µA |
| Max. intermittent wiper current | 10 mA |
| Max. travel speed | 5 m/s |
| Max. travel acceleration | 200 m/s ² |
| Travel resolution | 0.01 mm |
| Independent linearity | 0,08 % |
| Temperature coefficient | 5 ppm/K |
| Stroke | 150 mm |
| Output signal | Analog |
| Connection resistance | 5 kOhm |
| Connection resistance tolerance | 20 % |
| Nominal operating voltage DC | 10 V |
| Max. operating voltage, DC | 42 V |
| Permissible voltage fluctuation | < 1 % |
| Max. current consumption | 4 mA |
| Electrical connection | 16 mm 4-pin Plug Cubic design |
| Design structure | Round profile With connecting rod |
| Angle offset, actuator | ± 12,5 ° |
| Assembly position | Any |
| Product weight | 600 g |
| Material housing | Wrought Aluminum alloy Anodized |
| Material cover | PBT-reinforced |
| Material of connecting rod | High alloy steel, non-corrosive |
| Material of bearing seal | NBR |
| Material of rod seal | PTFE |
| Protection class | IP65 to IEC 60529 |
| Vibration resistance per DIN/IEC 68, parts 2 - 6 | Tested in accordance with severity level 2 |
| Continuous shock resistance per DIN/IEC 68, parts 2 - 82 | Tested in accordance with severity level 2 |
| PWIS conformity | VDMA24364-B2-L |