

Displacement encoder MME-MTS-1000-TLF-AIF

Part number: 178303

FESTO



Data sheet

| Feature | Value |
|--|---|
| CE marking (see declaration of conformity) | As per EU EMC directive As per EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC To UK RoHS instructions |
| Measuring principle of linear potentiometer | Digital |
| Ambient temperature | -40 °C...75 °C |
| Max. travel speed | 10 m/s |
| Max. travel acceleration | 200 m/s ² |
| Displacement resolution | 0.01 mm |
| Independent linearity | 0.02 % At least ± 50µm |
| Temperature coefficient | 15 ppm/K |
| Stroke | 1000 mm |
| Output signal | CAN protocol type SPC-AIF |
| Nominal operating voltage DC | 24 V |
| Permissible voltage fluctuations | -15 % / +20 % |
| Max. current consumption | 90 mA |
| Electrical connection | 6-pin Plug as per DIN 45322 Round design |
| Structural design | Closed profile with sliding carriage |
| Coupling parallel quick coupling | ± 1.5 mm |
| Moment compensator angular offset | ± 1 ° |
| Mounting position | Any |
| Product weight | 1550 g |
| Housing material | Wrought aluminum alloy Anodized |
| Slide carriage housing material | PBT-reinforced Permanent magnet |
| Slide carriage coupling material | Steel |
| Cover material | Die-cast aluminum Painted |

| Feature | Value |
|---|--------------------------------|
| Material of assembly brackets | PEI |
| Degree of protection | IP65 as per IEC 60529 |
| Vibration resistance to DIN/IEC 68 Part 2-6 | Tested as per severity level 1 |
| Continuous shock resistance to DIN/IEC 68 Part 2-82 | Tested as per severity level 1 |
| LABS (PWIS) conformity | VDMA24364-B2-L |