# Displacement encoder
# MME-MTS-1000-TLF-AIF

Part number: 178303

General operating condition

## Data sheet

| Feature | Value |
|---|---|
| CE mark (see declaration of conformity) | To EU EMC Directive<br>In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) | To UK RoHS instructions |
| Functional principle of measuring system | Digital |
| Ambient temperature | -40 °C ... 75 °C |
| Max. travel speed | 10 m/s |
| Max. travel acceleration | 200 m/s² |
| Displacement resolution | <0.01 mm |
| Non-dependent linearity | 0.02 %<br>Min. ± 50 µm |
| 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 | Plug<br>To DIN 45322<br>Round design |
| Design | Closed profile<br>With sliding carriage |
| Parallel offset of coupling | ± 1.5 mm |
| Angle offset of driver | ±1° |
| Mounting position | Any |
| Product weight | 1550 g |
| Material housing | anodised |
| Material slide housing | Reinforced PBT<br>Permanent magnet |
| Material slide coupling | Steel |
| Material cover | Die-cast aluminium<br>painted |
| Material mounting clips | PEI |
| Degree of protection | IP65<br>To IEC 60529 |
| Vibration resistance to DIN/IEC 68 Part 2-6 | Tested to severity level 1 |
| Continuous shock resistance to DIN/IEC 68 Part 2-82 | Tested to severity level 1 |
| LABS (PWIS) conformity | VDMA24364-B2-L |