

# Displacement encoder MME-MTS-360-TLF-AIF

Part number: 178308

**FESTO**



## 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 instructions for EMC<br>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/s <sup>2</sup>                                        |
| Displacement resolution                      | 0.01 mm                                                     |
| Non-dependent linearity                      | 0.02%<br>Min. ± 50 µm                                       |
| Temperature coefficient                      | 15 ppm/K                                                    |
| Stroke                                       | 360 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<br>Plugs<br>To DIN 45322<br>Round design              |
| Design                                       | Closed profile<br>With moving slide                         |
| Parallel offset of coupling                  | ± 1.5 mm                                                    |
| Angle offset of driver                       | ± 1 °                                                       |
| Mounting position                            | optional                                                    |
| Product weight                               | 780 g                                                       |
| Material housing                             | Wrought aluminium alloy<br>Anodised                         |
| Material slide housing                       | PBT-reinforced<br>Permanent magnet                          |
| Material slide coupling                      | Steel                                                       |
| Material cover                               | Die-cast aluminium<br>Painted                               |

| Feature                                             | Value                                |
|-----------------------------------------------------|--------------------------------------|
| Material mounting clips                             | PEI                                  |
| Degree of protection                                | IP65<br>To IEC 60529                 |
| Vibration resistance to DIN/IEC 68 Part 2-6         | Tested according to severity level 1 |
| Continuous shock resistance to DIN/IEC 68 Part 2-82 | Tested according to severity level 1 |
| LABS (PWIS) conformity                              | VDMA24364-B2-L                       |