

# Fibre-optic unit SOE4-FO-D-HF2-1N-M8

Part number: 552800

**FESTO**



## Data sheet

| Feature                                      | Value   |
|--|---|
| Design                                       | Block design  |
| Conforms to standard                         | EN 60947-5-2  |
| Approval                                     | RCM trademark<br>c UL us listed (OL)  |
| 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                                       |
| Measured variable                            | Position  |
| Measuring principle                          | Optoelectronic  |
| Measurement method                           | Fibre-optic unit  |
| Type of light                                | Red   |
| Mutual influence                             | Protected<br>Up to four devices mounted directly next to one another                        |
| Ambient temperature                          | -20 °C...60 °C  |
| Switching output                             | NPN   |
| Switching element function                   | Switchable  |
| Max. switching frequency                     | Standard mode 1000 Hz<br>Fine mode 125 Hz<br>Fast mode 8000 Hz<br>High distance mode 125 Hz |
| Max. output current                          | 100 mA  |
| Voltage drop                                 | 2.4 V   |
| Display                                      | 0000 - 4093<br>LED display  |
| Timer function                               | 1 - 2000 ms   |
| Short circuit current rating                 | Pulsed  |
| Operational voltage range DC                 | 10 V...30 V   |
| Residual ripple                              | 10 %  |
| No-load supply current                       | 25 mA   |
| Reverse polarity protection                  | For all electrical operating voltage connections  |
| Electrical connection                        | 4-pin<br>M8x1<br>Plugs  |

| Feature                        | Value  |
|--------------------------------|--|
| Type of mounting               | With through-hole<br>With H-rail               |
| Mounting position              | optional                                       |
| Product weight                 | 17 g   |
| Material housing               | ABS  |
| Ready status indication        | Green LED                                      |
| Switching status indication    | Yellow LED                                     |
| Setting options                | Teach-in<br>Teach-in via electrical connection |
| Degree of protection           | IP64   |
| Insulation voltage             | 50 V   |
| Corrosion resistance class CRC | 4 - Very high corrosion stress                 |
| LABS (PWIS) conformity         | VDMA24364-B2-L                                 |