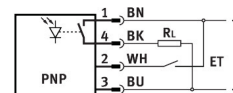


# Fibre-optic unit SOE4-FO-D-HF2-1P-M8

Part number: 552799

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature                                    | Value   |
|--|---|
| Design                                     | Block design  |
| Conforms to standard                       | EN 60947-5-2  |
| Symbol                                     | 00991649  |
| 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                                 |
| CE 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                           | PNP   |
| 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   |
| 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  |
| Type of mounting                           | With through-hole<br>With H-rail  |
| Mounting position                          | optional  |
| Product weight                             | 17 g  |

| Feature                        | Value  |
|--------------------------------|--|
| Material housing               | ABS  |
| Display                        | LED display                                    |
| 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                                 |