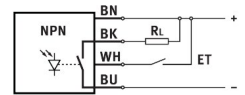
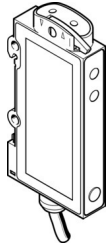


# Fiber-optic unit SOE4-FO-L-HF2-1N-K

Part number: 552797

**FESTO**



## Data sheet

| Feature                                        | Value                                                                 |
|------------------------------------------------|-----------------------------------------------------------------------|
| Design                                         | Block design                                                          |
| Conforms to standard                           | EN 60947-5-2                                                          |
| Certification                                  | RCM compliance mark<br>c UL us - Listed (OL)                          |
| CE marking (see declaration of conformity)     | As per EU EMC directive<br>As per 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                                                        |
| Method of measurement                          | Fibre-optic unit                                                      |
| Type of light                                  | Red                                                                   |
| Mutual interference                            | Protected<br>Up to four devices mounted directly next to each another |
| Ambient temperature                            | -20 °C...60 °C                                                        |
| Switching output                               | NPN                                                                   |
| Switching element function                     | Switchable                                                            |
| Max. switching frequency                       | 1500 Hz                                                               |
| Max. output current                            | 100 mA                                                                |
| Voltage drop                                   | 2.4 V                                                                 |
| Timer function                                 | 1 - 2000 ms                                                           |
| Short-circuit protection                       | Pulsed                                                                |
| DC operating voltage range                     | 10 V...30 V                                                           |
| Residual ripple                                | 10%                                                                   |
| Idle current                                   | 25 mA                                                                 |
| Reverse polarity protection                    | for all electrical operating voltage connections                      |
| Electrical connection                          | 4-core<br>Cable                                                       |
| Electrical connection 1, connection type       | Cable                                                                 |
| Electrical connection 1, connection technology | Open end                                                              |
| Electrical connection 1, number of pins/wires  | 4                                                                     |
| Cable length                                   | 2 m                                                                   |
| Material of cable sheath                       | TPE-U(PUR)                                                            |

| Feature                                              | Value                                          |
|------------------------------------------------------|------------------------------------------------|
| Type of mounting                                     | With through-hole<br>With DIN rail             |
| Mounting position                                    | Any                                            |
| Product weight                                       | 58 g                                           |
| Housing material                                     | ABS                                            |
| Display                                              | LED                                            |
| Switching status indication                          | Yellow LED                                     |
| Function reserve indication                          | Green LED                                      |
| Setting options                                      | Teach-in<br>Teach-in via electrical connection |
| Ambient temperature with flexible cable installation | -5 °C...60 °C                                  |
| Degree of protection                                 | IP64                                           |
| Insulation voltage                                   | 50 V                                           |
| Corrosion resistance class (CRC)                     | 4 - Particularly high corrosion stress         |
| LABS (PWIS) conformity                               | VDMA24364-B2-L                                 |