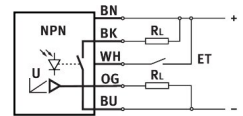
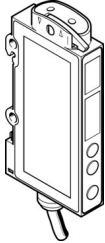


# Fiber-optic unit SOE4-FO-D-HF2-1NU-K

Part number: 552802

**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                     | 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                                                                                       |
| Analog output                                | 0 - 10 V                                                                                    |
| Display                                      | 0000 - 4093<br>LED display                                                                  |
| 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                        | 5-wire<br>Cable                                                                             |

| Feature                                              | Value                                          |
|------------------------------------------------------|------------------------------------------------|
| Electrical connection 1, connection type             | Cable                                          |
| Electrical connection 1, connection technology       | Open end                                       |
| Electrical connection 1, number of pins/wires        | 5                                              |
| Cable length                                         | 2 m                                            |
| Material of cable sheath                             | TPE-U(PUR)                                     |
| Type of mounting                                     | With through-hole<br>With DIN rail             |
| Mounting position                                    | Any                                            |
| Product weight                                       | 58 g                                           |
| Housing material                                     | ABS                                            |
| Ready status indication                              | Green LED                                      |
| Switching status indication                          | Yellow 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                                 |