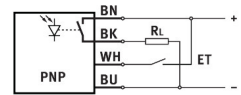
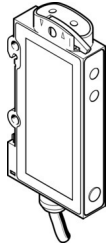


# Fibre-optic unit SOE4-FO-L-HF2-1P-K

Part number: 552795

**FESTO**



[PDF](#) General operating condition

## Data sheet

| Feature                                      | Value                                                                |
|----------------------------------------------|----------------------------------------------------------------------|
| Design                                       | Block design                                                         |
| Conforms to standard                         | EN 60947-5-2                                                         |
| Symbol                                       | 00991650                                                             |
| 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                             | PNP                                                                  |
| 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 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-wire<br>Cable                                                      |
| Cable length                                 | 2 m                                                                  |
| Material cable sheath                        | TPE-U(PUR)                                                           |
| Type of mounting                             | With through-hole<br>With H-rail                                     |
| Mounting position                            | optional                                                             |
| Product weight                               | 58 g                                                                 |
| Material housing                             | ABS                                                                  |
| Display                                      | LED                                                                  |

| Feature                               | Value                                          |
|---------------------------------------|------------------------------------------------|
| Switching status indication           | Yellow LED                                     |
| Function reserve indication           | Green LED                                      |
| Setting options                       | Teach-in<br>Teach-in via electrical connection |
| Ambient temperature with moving cable | -5 °C ... 60 °C                                |
| Degree of protection                  | IP64                                           |
| Insulation voltage                    | 50 V                                           |
| Corrosion resistance class CRC        | 4 - Very high corrosion stress                 |
| LABS (PWIS) conformity                | VDMA24364-B2-L                                 |