

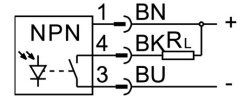
# Fork light barrier SOOF-M-FL-SM-C50-N

Part number: 553556

**FESTO**



## Data sheet



| Feature                                    | Value                                                                                     |
|--------------------------------------------|-------------------------------------------------------------------------------------------|
| Type code                                  | SOOF                                                                                      |
| Symbol                                     | 00991640                                                                                  |
| Certification                              | RCM compliance mark<br>c UL us - Listed (OL)                                              |
| CE marking (see declaration of conformity) | As per EU EMC directive                                                                   |
| Note on materials                          | Free of copper and PTFE<br>Contains paint-wetting impairment substances<br>RoHS-compliant |
| Measured variable                          | Position                                                                                  |
| Measuring principle                        | Optoelectronic                                                                            |
| Method of measurement                      | Fork light barrier                                                                        |
| Type of light                              | Red                                                                                       |
| Minimum object diameter                    | 0.5 mm                                                                                    |
| Ambient temperature                        | -10 °C ... 60 °C                                                                          |
| Repetition accuracy                        | 0.04 mm                                                                                   |
| Switching output                           | NPN                                                                                       |
| Switching element function                 | Switchable                                                                                |
| Hysteresis                                 | ≤0.25 mm                                                                                  |
| Max. switching frequency                   | 4000 Hz                                                                                   |
| Max. output current                        | 200 mA                                                                                    |
| Short-circuit protection                   | Pulsed                                                                                    |
| DC operating voltage range                 | 10 V ... 35 V                                                                             |
| Residual ripple                            | ± 5 %                                                                                     |
| Idle current                               | 32.5 mA                                                                                   |
| Reverse polarity protection                | for operating voltage connections                                                         |
| Electrical connection                      | 3-pin<br>M8x1<br>Plug                                                                     |
| Size                                       | Clevis 50x55 mm                                                                           |
| Fork gap                                   | 50 mm                                                                                     |
| Product weight                             | 110 g                                                                                     |
| Housing material                           | Die-cast zinc<br>Painted                                                                  |
| Switching status indication                | LED yellow                                                                                |
| Setting options                            | Potentiometer                                                                             |
| Degree of protection                       | IP67                                                                                      |
| Insulation voltage                         | 50 V                                                                                      |

| Feature                          | Value                   |
|----------------------------------|-------------------------|
| Surge resistance                 | 0.8 kV                  |
| Corrosion resistance class (CRC) | 0 - No corrosion stress |
| Contamination level              | 3                       |