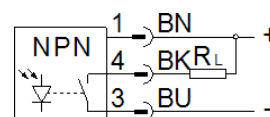
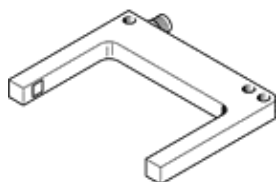


# fork light barrier SOOF-M-FL-SM-C120-N

Part number: 553560

**FESTO**

Stable metal housing.



## Data sheet

| Feature                                 | Value                                                                   |
|-----------------------------------------|-------------------------------------------------------------------------|
| Authorisation                           | RCM Mark<br>c UL us - Listed (OL)                                       |
| CE mark (see declaration of conformity) | to EU directive for EMC                                                 |
| Materials note                          | Free of copper and PTFE<br>Contains PWIS substances<br>Conforms to RoHS |
| Measured variable                       | Position                                                                |
| Measuring principle                     | Optoelectronic                                                          |
| Measurement method                      | Fork light barrier                                                      |
| Type of light                           | Red                                                                     |
| Minimal object diameter                 | 2 mm                                                                    |
| Ambient temperature                     | -10 ... 60 °C                                                           |
| Repetition accuracy                     | 0.06 mm                                                                 |
| Switch output                           | NPN                                                                     |
| Switching element function              | Switchable                                                              |
| Hysteresis                              | ≤ 0.25 mm                                                               |
| Max. switching frequency                | 2,000 Hz                                                                |
| Max. output current                     | 200 mA                                                                  |
| Short circuit strength                  | Pulsing                                                                 |
| Operating voltage range DC              | 10 ... 35 V                                                             |
| Residual ripple                         | ± 5 %                                                                   |
| Idle current                            | 45 mA                                                                   |
| Polarity protected                      | For operating voltage connections                                       |
| Electrical connection                   | 3-pin<br>M8x1<br>Plug                                                   |
| Size                                    | Clevis 120x60 mm                                                        |
| Fork gap                                | 120 mm                                                                  |
| Product weight                          | 260 g                                                                   |
| Material housing                        | Zinc die-casting<br>Painted                                             |
| Operating status display                | Yellow LED                                                              |
| Setting options                         | Potentiometer                                                           |
| Protection class                        | IP67                                                                    |
| Insulation voltage                      | 50 V                                                                    |
| Surge strength                          | 0.8 kV                                                                  |
| Corrosion resistance classification CRC | 0 - No corrosion stress                                                 |
| Degree of contamination                 | 3                                                                       |