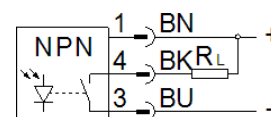
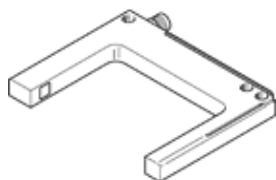


# Fork light barrier SOOF-P-FL-ST-C80-N

Part number: 553566

FESTO

Polymeric design.



## Data sheet

| Feature                                      | Value   |
|--|---|
| Authorization                                | RCM Mark<br>c UL us - Listed (OL)                                     |
| CE symbol (see declaration of conformity)    | according to EU-EMV guideline<br>in accordance with EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC<br>To UK RoHS instructions                 |
| Materials note                               | Conforms to RoHS  |
| Measured variable                            | Position  |
| Measuring principle                          | Optoelectronic  |
| Measurement method                           | Fork light barrier  |
| Type of light                                | Red   |
| Minimal object diameter                      | 0.5 mm  |
| Ambient temperature                          | -10 ... 60 °C   |
| Repetition accuracy                          | 0.03 mm   |
| Switch output                                | NPN   |
| Switching element function                   | Switchable  |
| Hysteresis                                   | ≤ 0.25 mm   |
| Max. switching frequency                     | 2,000 Hz  |
| Max. output current                          | 100 mA  |
| Short circuit strength                       | Pulsing   |
| Operating voltage range DC                   | 10 ... 30 V   |
| Residual ripple                              | 10 %  |
| Idle current                                 | 30 mA   |
| Polarity protected                           | For operating voltage connections                                     |
| Electrical connection                        | 3-pin<br>M8x1<br>Plug   |
| Size   | Clevis 80x55 mm   |
| Fork gap                                     | 80 mm   |
| Product weight                               | 35 g  |
| Material housing                             | PC  |
| Operating status display                     | Yellow LED  |
| Setting options                              | Teach-In  |
| Protection class                             | IP67  |
| Insulation voltage                           | 500 V   |
| Surge strength                               | 0.8 kV  |
| Corrosion resistance classification CRC      | 0 - No corrosion stress   |
| PWIS conformity                              | VDMA24364 zone III  |
| Degree of contamination                      | 3   |