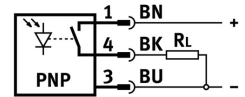


# Fork light barrier SOOF-P-FL-ST-C50-P

Part number: 553563

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature                                      | Value   |
|--|---|
| Symbol                                       | 00991641  |
| 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 |
| Note on materials                            | RoHS-compliant  |
| Measured variable                            | Position  |
| Measuring principle                          | Optoelectronic  |
| Method of measurement                        | Fork light barrier                                    |
| Type of light                                | Red   |
| Minimum object diameter                      | 0.3 mm  |
| Ambient temperature                          | -10 °C ... 60 °C                                      |
| Repetition accuracy                          | 0.03 mm   |
| Switching output                             | PNP   |
| Switching element function                   | Switchable  |
| Hysteresis                                   | ≤0.25 mm  |
| Max. switching frequency                     | 2000 Hz   |
| Max. output current                          | 100 mA  |
| Short-circuit protection                     | Pulsed  |
| DC operating voltage range                   | 10 V ... 30 V   |
| Residual ripple                              | 10 %  |
| Idle current                                 | 30 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                               | 30 g  |
| Housing material                             | PC  |
| Switching status indication                  | LED yellow  |
| Setting options                              | Teach-in  |
| Degree of protection                         | IP67  |
| Insulation voltage                           | 500 V   |
| Surge resistance                             | 0.8 kV  |

| <b>Feature</b>                   | <b>Value</b>            |
|----------------------------------|-------------------------|
| Corrosion resistance class (CRC) | 0 - No corrosion stress |
| LABS (PWIS) conformity           | VDMA24364 zone III      |
| Contamination level              | 3                       |