

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

Part number: 553564

FESTO



[General operating condition](#)

## Data sheet

| Feature  | Value   |
|--|---|
| Symbol   | 00991640  |
| 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 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                               | NPN   |
| 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                          | M8x1<br>Plug  |
| Electrical connection 1, connection type       | Plug  |
| Electrical connection 1, connection technology | M8x1 A-coded as per EN 61076-2-104  |
| Electrical connection 1, number of pins/wires  | 3   |
| Electrical connection 1, type of mounting      | not rotatable   |
| Electrical connection 1, type of mounting      | Compatible with snap-locking<br>Compatible with rotatable screw-type lock |
| Size   | 50 x 55 mm clevis   |
| Fork gap                                       | 50 mm   |
| Product weight                                 | 30 g  |
| Housing material                               | PC  |
| Switching status indication                    | Yellow LED  |

| <b>Feature</b>                   | <b>Value</b>            |
|----------------------------------|-------------------------|
| Setting options                  | Teach-in                |
| Degree of protection             | IP67                    |
| Insulation voltage               | 500 V                   |
| Surge resistance                 | 0.8 kV                  |
| Corrosion resistance class (CRC) | 0 - No corrosion stress |
| LABS (PWIS) conformity           | VDMA24364 Zone III      |
| Contamination level              | 3                       |