

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

Part number: 553566

FESTO



[General operating condition](#)

Data sheet

| Feature | Value |
|--|---|
| Symbol | 00991640 |
| Certification | RCM compliance mark c UL us - Listed (OL) |
| CE marking (see declaration of conformity) | As per EU EMC directive 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 | 0.5 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 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 Compatible with rotatable screw-type lock |
| Size | 80 x 55 mm clevis |
| Fork gap | 80 mm |
| Product weight | 35 g |
| Housing material | PC |
| Switching status indication | Yellow LED |

| Feature | Value |
|----------------------------------|-------------------------|
| 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 |