

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

Part number: 553560

FESTO

Stable metal housing.



## Data sheet

| Feature                                   | Value   |
|---|---|
| Authorization                             | RCM Mark<br>c UL us - Listed (OL)                                       |
| CE symbol (see declaration of conformity) | according to EU-EMV guideline   |
| 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   |