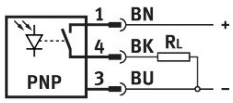
# Fork light barrier
# SOOF-P-FL-ST-C120-P

Part number: 553567






## Data sheet

| Feature | Value |
|---|---|
| Approval | RCM trademark<br>c UL us listed (OL) |
| CE mark (see declaration of conformity) | To EU EMC Directive<br>In accordance with 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 |
| Measurement method | Fork light barrier |
| Type of light | Red |
| Min. object diameter | 0.4 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 current rating | Pulsed |
| Operational voltage range DC | 10 V...30 V |
| Residual ripple | 10 % |
| No-load supply current | 30 mA |
| Reverse polarity protection | For operating voltage connections |
| Electrical connection | 3-pin<br>M8x1<br>Plugs |
| Electrical connection 1, connection type | Plugs |
| Electrical connection 1, connector system | M8x1, A-coded, to EN 61076-2-104 |
| Electrical connection 1, number of connections/cores | 3 |
| Electrical connection 1, type of mounting | Snap-locking<br>Screw-type lock<br>Not rotatable |

| Feature | Value |
|---|---|
| Electrical connection 1, compatible type of mounting | Compatible with latching lock<br>Compatible with rotatable screw-type lock |
| Size | Fork 120x60 mm |
| Fork gap | 120 mm |
| Product weight | 40 g |
| Material housing | PC |
| Switching status indication | Yellow LED |
| Setting options | Teach-in |
| Degree of protection | IP67 |
| Insulation voltage | 500 V |
| Immunity to surge | 0.8 kV |
| Corrosion resistance class CRC | 0 - No corrosion stress |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Pollution degree | 3 |