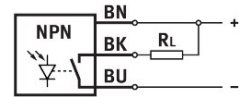


Retro-reflective sensor SOEG-RSP-M12-NS-K-2L

Part number: 537685

FESTO



[General operating condition](#)

Data sheet

| Feature | Value |
|--|---|
| Design | Round |
| Conforms to standard | EN 60947-5-2 |
| Symbol | 00991639 |
| Approval | RCM trademark c UL us listed (OL) |
| CE mark (see declaration of conformity) | To EU EMC Directive In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) | To UK RoHS instructions |
| Measured variable | Position |
| Measuring principle | Optoelectronic |
| Measurement method | Retro-reflective sensor |
| Type of light | Red polarised |
| Operating distance | 1500 mm |
| Ambient temperature | -25 °C ... 55 °C |
| Switching output | NPN |
| Switching element function | Dark switching |
| Max. switching frequency | 1000 Hz |
| Max. output current | 200 mA |
| Voltage drop | ≤2 V |
| Short circuit current rating | Pulsed |
| Operational voltage range DC | 10 V ... 36 V |
| Residual ripple | 20% |
| No-load supply current | 15 mA |
| Reverse polarity protection | For all electrical connections |
| Electrical connection | Cable |
| Cable length | 2.5 m |
| Material cable sheath | TPE-U(PUR) |
| Size | M12x1 |
| Type of mounting | Via lock nut |
| Tightening torque | 10 Nm |
| Product weight | 100 g |
| Material housing | Chrome-plated |
| Material union nut | Brass Chrome-plated |
| Switching status indication | Yellow LED |
| Function reserve indication | Green LED |

| Feature | Value |
|---------------------------------------|--------------------------|
| Ambient temperature with moving cable | -5 °C ... 55 °C |
| Degree of protection | IP65 IP67 |
| Corrosion resistance class CRC | 1 - Low corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |