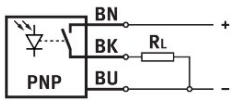
# Retro-reflective sensor
# SOEG-RSP-M12-PS-K-2L

Part number: 537683






## Data sheet

| Feature | Value |
|---|---|
| Design | Round |
| Conforms to standard | EN 60947-5-2 |
| 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 instructions for EMC<br>To UK RoHS instructions |
| Measured variable | Position |
| Measuring principle | Optoelectronic |
| Method of measurement | Reflection light barrier |
| Type of light | Red polarized |
| Working range | 1500 mm |
| Ambient temperature | -25 °C...55 °C |
| Switching output | PNP |
| Switching element function | Dark switching |
| Max. switching frequency | 1000 Hz |
| Max. output current | 200 mA |
| Voltage drop | 2 V |
| Short-circuit protection | Pulsed |
| DC operating voltage range | 10 V...36 V |
| Residual ripple | 20% |
| Idle current | 15 mA |
| Reverse polarity protection | for all electrical connections |
| Electrical connection | 3-wire<br>Cable |
| Cable length | 2.5 m |
| Material of cable sheath | TPE-U(PUR) |
| Size | M12x1 |
| Type of mounting | With locknut |
| Tightening torque | 10 Nm |
| Product weight | 100 g |
| Housing material | Brass |

| Feature | Value |
|---|---|
| | Chrome-plated |
| Material of union nut | Brass<br>Chrome-plated |
| Switching status indication | Yellow LED |
| Function reserve indication | Green LED |
| Ambient temperature with flexible cable installation | -5 °C...55 °C |
| Degree of protection | IP65<br>IP67 |
| Corrosion resistance class (CRC) | 1 - Low corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |