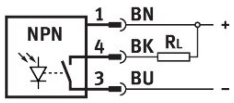
# Diffuse sensor
# SOEG-RTH-M18-NS-S-2L

Part number: 537707






## Data sheet

| Feature | Value |
|---|---|
| Design | Round |
| Conforms to standard | EN 60947-5-2 |
| 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 |
| Measured variable | Position |
| Measuring principle | Optoelectronic |
| Measurement method | Diffuse sensor with background suppression |
| Type of light | Red |
| Operating distance | 10 mm...120 mm |
| Ambient temperature | -25 °C...55 °C |
| Switching output | NPN |
| Switching element function | Light switching |
| Max. switching frequency | 500 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 | 25 mA |
| Reverse polarity protection | For all electrical connections |
| Electrical connection | 3-pin<br>M12x1<br>Plugs |
| Size | M18x1 |
| Type of mounting | Via lock nut |
| Tightening torque | 20 Nm |
| Product weight | 53 g |
| Material housing | Brass<br>Chrome-plated |

| Feature | Value |
|---|---|
| Material union nut | Brass<br>Chrome-plated |
| Switching status indication | Yellow LED |
| Function reserve indication | Green LED |
| Setting options | Potentiometer |
| Setting range lower limit | 10 mm |
| Setting range upper limit | 120 mm |
| Ambient temperature with moving cable | -5 °C...55 °C |
| Degree of protection | IP65<br>IP67 |
| Corrosion resistance class CRC | 1 - Low corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |