

diffuse sensor SOEG-RT-M12-PS-K-2L

Part number: 547908

FESTO

Round design



Data sheet

| Feature | Value |
|--|---|
| Design | Round |
| Conforms to standard | EN 60947-5-2 |
| Authorisation | RCM Mark c UL us - Listed (OL) |
| CE mark (see declaration of conformity) | to EU directive for EMC |
| Materials note | Free of copper and PTFE Contains PWIS substances |
| Measured variable | Position |
| Measuring principle | Optoelectronic |
| Measurement method | Diffuse reflection sensor |
| Type of light | Red |
| Working range | 70 ... 300 mm |
| Ambient temperature | -25 ... 55 °C |
| Switch output | PNP |
| Switching element function | Light switching |
| Hysteresis | ≤ 30 mm |
| Max. switching frequency | 1,000 Hz |
| Max. output current | 200 mA |
| Voltage drop | 2 V |
| Short circuit strength | Pulsing |
| Operating voltage range DC | 10 ... 36 V |
| Residual ripple | 20 % |
| Idle current | 15 mA |
| Polarity protected | for all electrical connections |
| Electrical connection | 3-core Cable |
| Cable length | 2.5 m |
| Material cable sheath | TPE-U(PUR) |
| Material insulation | PVC |
| Size | M12 |
| Mounting type | with lock nut |
| Tightening torque | 10 Nm |
| Assembly position | Any |
| Product weight | 100 g |
| Material housing | Brass Chromed-plated |
| Operating status display | Yellow LED |
| Operating reserve display | Green LED |
| Setting options | Potentiometer |
| Setting range lower limit | 70 mm |
| Upper limit of adjustment range | 300 mm |
| Ambient temperature with flexible cable installation | -5 ... 55 °C |
| Protection class | IP65 IP67 |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress |