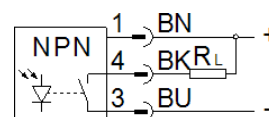
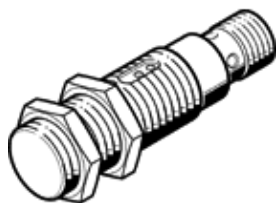


diffuse sensor SOEG-RTH-M18-NS-S-2L

Part number: 537707

FESTO

With background suppression, 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 |
| Measured variable | Position |
| Measuring principle | Optoelectronic |
| Measurement method | Diffuse reflection sensor with background suppression |
| Type of light | Red |
| Working range | 10 ... 120 mm |
| Ambient temperature | -25 ... 55 °C |
| Switch output | NPN |
| Switching element function | Light switching |
| Max. switching frequency | 500 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 | 25 mA |
| Polarity protected | for all electrical connections |
| Electrical connection | 3-pin M12x1 Plug |
| Size | M18x1 |
| Mounting type | with lock nut |
| Tightening torque | 20 Nm |
| Product weight | 53 g |
| Material housing | Brass Chromed-plated |
| Material of union nut | Brass Chromed-plated |
| Operating status display | Yellow LED |
| Operating reserve display | Green LED |
| Setting options | Potentiometer |
| Setting range lower limit | 10 mm |
| Upper limit of adjustment range | 120 mm |
| Ambient temperature with flexible cable installation | -5 ... 55 °C |
| Protection class | IP65 IP67 |
| Corrosion resistance classification CRC | 1 - Low corrosion stress |
| PWIS conformity | VDMA24364-B2-L |