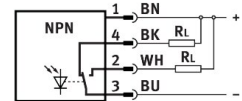
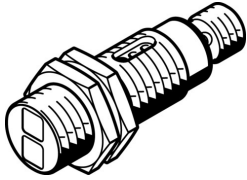


Diffuse sensor SOEG-RT-M18-NA-S-2L

Part number: 547911

FESTO



 [General operating condition](#)

Data sheet

| Feature | Value |
|--|---|
| Design | Round |
| Conforms to standard | EN 60947-5-2 |
| Symbol | 00991636 |
| 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 | Diffuse sensor |
| Type of light | Red |
| Operating distance | 40 mm ... 600 mm |
| Ambient temperature | -25 °C ... 55 °C |
| Switching output | NPN |
| Switching element function | Antivalent |
| Hysteresis | ≤60 mm |
| 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 | 20 mA |
| Reverse polarity protection | For all electrical connections |
| Electrical connection | M12x1 Plugs |
| Size | M18 |
| Type of mounting | Via lock nut |
| Tightening torque | 20 Nm |
| Mounting position | optional |
| Product weight | 53 g |
| Material housing | Chrome-plated |
| Switching status indication | Yellow LED |
| Function reserve indication | Green LED |
| Setting options | Potentiometer |

| Feature | Value |
|---------------------------------------|-------------------------------|
| Setting range lower limit | 40 mm |
| Setting range upper limit | 600 mm |
| Ambient temperature with moving cable | -5 °C ... 55 °C |
| Degree of protection | IP65 IP67 |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364 zone III |