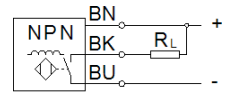
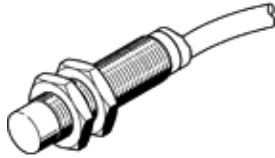


proximity sensor SIEF-M12NB-NS-K-L

Part number: 538314

FESTO

With cable, semi-flush mounting



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 |
| Measuring principle | Inductive |
| Nominal switching distance | 8 mm |
| Guaranteed switching distance | 6.48 mm |
| Reduction factors | Aluminium = 1.0 Stainless steel, St 18/8 = 1.0 Copper = 1.0 Brass = 1.0 Steel, St 37 = 1.0 |
| Ambient temperature | -30 ... 85 °C |
| Repetition accuracy | 0.16 mm |
| Switch output | NPN |
| Switching element function | Normally open contact |
| Hysteresis | 0.24 ... 1.2 mm |
| Max. switching frequency, DC | 2,000 Hz |
| Max. output current | 200 mA |
| Voltage drop | ≤ 1.8 V |
| Short circuit strength | Pulsing |
| Operating voltage range DC | 10 ... 30 V |
| Residual ripple | 10 % |
| 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 |
| Type of installation | Semi-flush |
| Product weight | 120 g |
| Material housing | Brass PBT Chromed-plated |
| Operating status display | Yellow LED |
| Ambient temperature with flexible cable installation | 0 ... 80 °C |
| Protection class | IP67 |
| Interference immunity to magnetic fields | DC and AC magnetic field |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress |