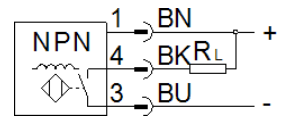
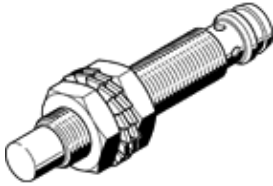


# Proximity Sensor SIEF-M8NB-NS-S-L

Part number: 538309

FESTO

With plug, non-flush mounting



## Data sheet

| Feature                                   | Value   |
|---|---|
| Design                                    | Round   |
| Conforms to standard                      | EN 60947-5-2  |
| Authorization                             | RCM Mark<br>c UL us - Listed (OL)   |
| CE symbol (see declaration of conformity) | according to EU-EMV guideline   |
| Measuring principle                       | Inductive   |
| Nominal switching distance                | 4 mm  |
| Guaranteed switching distance             | 3.24 mm   |
| Reduction factors                         | Aluminum = 1.0<br>Stainless steel, St 18/8 = 1.0<br>Copper = 1.0<br>Brass = 1.0<br>Steel, St 37 = 1.0 |
| Ambient temperature                       | -30 ... 85 °C   |
| Repetition accuracy                       | 0.08 mm   |
| Switch output                             | NPN   |
| Switching element function                | Normally open contact   |
| Hysteresis                                | 0.12 ... 0.6 mm   |
| Max. switching frequency, DC              | 2,000 Hz  |
| Max. output current                       | 150 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-pin<br>M8x1<br>Plug   |
| Size                                      | M8  |
| Mounting type                             | with lock nut   |
| Tightening torque                         | 10 Nm   |
| Type of installation                      | Semi-flush  |
| Product weight                            | 19 g  |
| Material housing                          | PA<br>High alloy steel, non-corrosive   |
| Operating status display                  | Yellow LED  |
| Protection class                          | IP67  |
| Interference immunity to magnetic fields  | DC and AC magnetic field  |
| Corrosion resistance classification CRC   | 4 - Very high corrosion stress  |