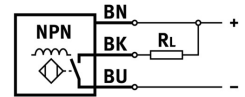
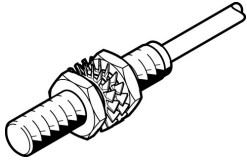


# Proximity sensor SIEF-M8B-NS-K-L

Part number: 553540

FESTO



[General operating condition](#)

## Data sheet

| Feature  | Value   |
|--|---|
| Design   | Round   |
| Conforms to standard                                 | EN 60947-5-2  |
| Symbol   | 00991704  |
| Certification  | RCM compliance mark<br>c UL us - Listed (OL)            |
| CE marking (see declaration of conformity)           | As per EU EMC directive                                 |
| Note on materials                                    | RoHS-compliant  |
| Rated operating distance                             | 1.5 mm  |
| Ambient temperature                                  | -30 °C ... 70 °C  |
| Repetition accuracy                                  | 0.08 mm   |
| Switching output                                     | NPN   |
| Switching element function                           | N/O contact   |
| Max. switching frequency DC                          | 2000 Hz   |
| Max. output current                                  | 150 mA  |
| Short-circuit protection                             | Pulsed  |
| DC operating voltage range                           | 10 V ... 30 V   |
| Reverse polarity protection                          | for all electrical connections                          |
| Electrical connection                                | 3-wire<br>Cable   |
| Cable length   | 2.5 m   |
| Material of cable sheath                             | TPE-U(PU)   |
| Size   | M8  |
| Mounting type  | Flush   |
| Product weight                                       | 61.4 g  |
| Housing material                                     | PA<br>PP<br>High-alloy stainless steel                  |
| Switching status indication                          | LED yellow  |
| Ambient temperature with flexible cable installation | -5 °C ... 70 °C   |
| Degree of protection                                 | IP68  |
| Resistance to interference from magnetic fields      | Magnetic direct and alternating fields                  |
| Surge resistance                                     | 0.8 kV  |
| Corrosion resistance class (CRC)                     | 2 - Moderate corrosion stress                           |
| LABS (PWIS) conformity                               | VDMA24364-B2-L  |
| Contamination level                                  | 3   |
| Selection of additional sensor information           | with reduction factor 1 – resistance to magnetic fields |
| Selection of sensor version                          | Standard  |