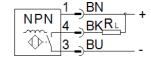# proximity sensor
# SIEN-M8NB-NS-S-L
Part number: 150393

**FESTO**

Inductive, with standard switching distance.

# Data sheet

| Feature | Value |
|---|---|
| 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 |
| Materials note | Free of copper and PTFE |
| Nominal switching distance | 2.5 mm |
| Guaranteed switching distance | 2.03 mm |
| Reduction factors | Aluminium = 0.25 |
| | Stainless steel, St 18/8 = 0.7 |
| | Copper = 0.2 |
| | Brass = 0.35 |
| | Steel, St 37 = 1.0 |
| Ambient temperature | -25 ... 70 °C |
| Repetition accuracy for constant conditions | 0,12 mm |
| Switch output | NPN |
| Switching element function | Normally open contact |
| Hysteresis | <= 0.12 mm |
| Max. switching frequency | 3,000 Hz |
| Max. output current | 200 mA |
| Voltage drop | <= 2 V |
| Inductive protective circuit | Integrated |
| Short circuit strength | Pulsing |
| Operating voltage range DC | 10 ... 30 V |
| Residual ripple | ± 10% |
| Idle current | <= 10 mA |
| Polarity protected | for all electrical connections |
| Electrical connection | 3-pin |
| | M8x1 |
| | Plug |
| Size | M8x1 |
| Mounting type | with lock nut |
| Type of installation | not flush |
| Product weight | 18 g |
| Material housing | Brass |
| | PA |
| | PBTP |
| | High alloy steel, non-corrosive |
| | Chromed-plated |
| Operating status display | Yellow LED |
| Ambient temperature with flexible cable installation | -5 ... 70 °C |
| Protection class | IP65 |
| | IP67 |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress |