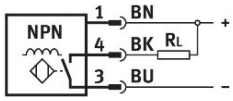
# Proximity sensor
# SIEN-6,5B-NS-S-L

Part number: 150377






## Data sheet

| Feature | Value |
|---|---|
| Conforms to standard | EN 60947-5-2 |
| Certification | RCM compliance mark<br>c UL us - Listed (OL) |
| CE marking (see declaration of conformity) | As per EU EMC directive<br>As per EU RoHS directive |
| UKCA marking (see declaration of conformity) | according to UK regulations for EMC (UK-E)<br>according to UK RoHS regulations (UK-R) |
| Rated operating distance | 1.5 mm |
| Assured operating distance | 1.21 mm |
| Reduction factors | Aluminum = 0.25<br>Stainless steel St 18/8 = 0.7<br>Copper = 0.2<br>Brass = 0.35<br>Steel St 37 = 1.0 |
| Ambient temperature | -25 °C...70 °C |
| Repetition accuracy under constant conditions | 0.07 mm |
| Switching output | NPN |
| Switching element function | N.O. contact |
| Hysteresis | 0.07 mm |
| Max. switching frequency | 5000 Hz |
| Max. output current | 200 mA |
| Voltage drop | 2 V |
| Inductive protective circuit | Installed |
| Short-circuit protection | Pulsed |
| DC operating voltage range | 10 V...30 V |
| Residual ripple | ±10 % |
| Idle current | 10 mA |
| Reverse polarity protection | for all electrical connections |
| Electrical connection 1, connection type | Plug |
| Electrical connection 1, connection technology | M8x1 A-coded as per EN 61076-2-104 |
| Electrical connection 1, number of pins/wires | 3 |
| Electrical connection 1, type of mounting | Snap-locking<br>Screw-type lock<br>not rotatable |

| Feature | Value |
|---|---|
| | Compatible with snap-locking<br>Compatible with rotatable screw-type lock |
| Size | 6.5 mm |
| Type of mounting | Clamped |
| Mounting type | Flush |
| Product weight | 4 g |
| Housing material | Brass<br>PA<br>high-alloy stainless steel<br>Chrome-plated |
| Switching status indication | Yellow LED |
| Ambient temperature with flexible cable installation | -5 °C...70 °C |
| Degree of protection | IP65<br>IP67 |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Selection of additional sensor information | With standard switching distance |
| Electrical output | NPN |
| Selection of sensor version | Standard |