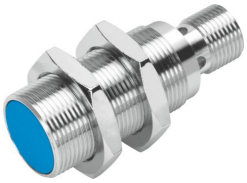
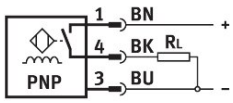
# Proximity sensor
# SIEN-M18B-PS-S-L

Part number: 150419






## 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) |
| Note on materials | RoHS compliant |
| Rated operating distance | 5 mm |
| Assured operating distance | 4.05 mm |
| Reduction factors | Aluminum = 0.4<br>Stainless steel St 18/8 = 0.8<br>Copper = 0.4<br>Brass = 0.5<br>Steel St 37 = 1.0 |
| Ambient temperature | -25 °C...70 °C |
| Repetition accuracy | 0.25 mm |
| Switching output | PNP |
| Switching element function | N.O. contact |
| Hysteresis | 0.55 mm |
| Max. switching frequency | 2000 Hz |
| Max. output current | 200 mA |
| Voltage drop | 2 V |
| Short-circuit protection | Pulsed |
| DC operating voltage range | 10 V...30 V |
| Residual ripple | +/- 20% |
| Idle current | 10 mA |
| Reverse polarity protection | for all electrical connections |
| Electrical connection 1, connection type | Plug |
| Electrical connection 1, connection technology | M12x1 A-coded as per EN 61076-2-101 |
| Electrical connection 1, number of pins/wires | 4 |
| Electrical connection 1, type of mounting | Screw-type lock<br>not rotatable<br>Compatible with rotatable screw-type lock |

| Feature | Value |
|---|---|
| Size | M18x1 |
| Type of mounting | With locknut |
| Tightening torque | 20 Nm |
| Mounting type | Flush |
| Product weight | 43 g |
| Housing material | Brass<br>PBTP<br>Nickel-plated |
| Switching status indication | Yellow LED |
| Ambient temperature with flexible cable installation | -5 °C...70 °C |
| Degree of protection | IP67 |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Contamination level | 3 |
| Selection of additional sensor information | With standard switching distance |
| Electrical output | PNP |
| Selection of sensor version | Standard |