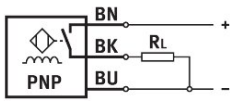
# Proximity sensor
# SIEN-M30B-PS-K-L-PA

Part number: 538327






## Data sheet

| Feature | Value |
|---|---|
| Design | Round |
| 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 low voltage directive<br>As per EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC<br>To UK RoHS instructions<br>To UK instructions for electrical equipment |
| Measuring principle | Inductive |
| Rated operating distance | 10 mm |
| Assured operating distance | 8.1 mm |
| Reduction factors | Aluminum = 0.35 - 0.5<br>Stainless steel St 18/8 = 0.6 - 1.0<br>Copper = 0.25 - 0.45<br>Brass = 0.35 - 0.5<br>Steel St 37 = 1.0 |
| Ambient temperature | -25 °C...70 °C |
| Repetition accuracy | 0.2 mm |
| Switching output | PNP |
| Switching element function | N.O. contact |
| Hysteresis | 0.3 mm...1.5 mm |
| Max. switching frequency DC | 500 Hz |
| Max. output current | 200 mA |
| Voltage drop | 1.8 V |
| Short-circuit protection | Pulsed |
| DC operating voltage range | 10 V...30 V |
| Residual ripple | 10% |
| Idle current | 15 mA |
| Reverse polarity protection | for all electrical connections |
| Electrical connection | 3-wire<br>Cable |
| Electrical connection 1, connection type | Cable |

| Feature | Value |
|---|---|
| Electrical connection 1, connection technology | Open end |
| Electrical connection 1, number of pins/wires | 3 |
| Cable length | 2.5 m |
| Material of cable sheath | PVC |
| Insulating sheath material | PVC |
| Size | M30 |
| Type of mounting | With locknut |
| Tightening torque | 5 Nm |
| Mounting type | Flush |
| Product weight | 158 g |
| Housing material | PA-reinforced |
| Switching status indication | Yellow LED |
| Ambient temperature with flexible cable installation | 0 °C...70 °C |
| Degree of protection | IP65<br>IP67 |
| Corrosion resistance class (CRC) | 4 - Particularly high corrosion stress |
| LABS (PWIS) conformity | VDMA24364 Zone III |
| Selection of additional sensor information | With standard switching distance |
| Electrical output | PNP |
| Selection of sensor version | Polyamide housing |