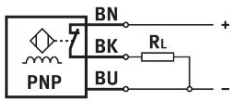
# Proximity sensor
# SIES-Q8B-PO-K-L

Part number: 174552






## Data sheet

| Feature | Value |
|---|---|
| Conforms to standard | EN 60947-5-2 |
| Approval | RCM trademark<br>c UL us listed (OL) |
| CE mark (see declaration of conformity) | To EU EMC Directive<br>In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) | according to UK instructions for EMC (UK-E)<br>according to UK RoHS instructions (UK-R) |
| Note on materials | RoHS-compliant |
| Rated operating distance | 1.5 mm |
| Assured operating distance | 1.2 mm |
| Reduction factors | Aluminium = 0.45<br>Stainless steel St 18/8 = 0.8<br>Copper = 0.4<br>Brass = 0.55<br>Steel St 37 = 1.0 |
| Ambient temperature | -25 °C...70 °C |
| Repetition accuracy | 0.07 mm |
| Switching output | PNP |
| Switching element function | N/C contact |
| Max. switching frequency | 3500 Hz |
| Max. switching frequency DC | 1500 Hz |
| Max. output current | 200 mA |
| Voltage drop | 2 V |
| Short circuit current rating | Pulsed |
| Operational voltage range DC | 10 V...30 V |
| Residual ripple | 10 % |
| No-load supply current | 10 mA |
| Reverse polarity protection | For all electrical connections |
| Electrical connection 1, connection type | Cable |
| Electrical connection 1, connector system | Open end |
| Electrical connection 1, number of connections/cores | 3 |
| Cable length | 2.5 m |
| Material cable sheath | TPE-U(PUR) |

| Feature | Value |
|---|---|
| Size | 8x8x40 mm |
| Type of mounting | Via female thread |
| Mounting type | Flush |
| Product weight | 39 g |
| Material housing | Die-cast zinc<br>Chrome-plated<br>Nickel-plated |
| Switching status indication | Yellow LED |
| Degree of protection | IP67 |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Additional information for sensor selection | Special design |
| Electrical output | PNP |
| Selection of sensor design | Standard |