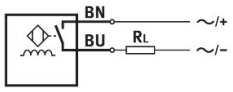
# Proximity sensor
# SIED-M18NB-ZS-K-L-PA

Part number: 538337






## Data sheet

| Feature | Value |
|---|---|
| Design | Round |
| Conforms to standard | EN 60947-5-2 |
| Certification | RCM compliance mark |
| 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 | 8 mm |
| Assured operating distance | 6.48 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 | 0.16 mm |
| Switching output | Non-contacting, 2-wire |
| Switching element function | N.O. contact |
| Hysteresis | 0.24 mm...1.2 mm |
| Max. switching frequency DC | 20 Hz |
| Max. switching frequency AC | 20 Hz |
| Max. output current | 300 mA |
| Voltage drop | 6 V |
| Minimum load current | 3 mA |
| Short-circuit protection | No |
| Operating voltage range AC | 20 V...250 V |
| DC operating voltage range | 10 V...300 V |
| Mains frequency | 50 Hz...60 Hz |
| Idle current | 1.5 mA |
| Reverse polarity protection | for all electrical connections |
| Electrical connection | 2-core |

| Feature | Value |
|---|---|
| | Cable |
| Electrical connection 1, connection type | Cable |
| Electrical connection 1, connection technology | Open end |
| Electrical connection 1, number of pins/wires | 2 |
| Cable length | 2.5 m |
| Material of cable sheath | PVC |
| Insulating sheath material | PVC |
| Size | M18 |
| Type of mounting | With locknut |
| Tightening torque | 2 Nm |
| Mounting type | Not flush |
| Product weight | 123 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 | For direct and alternating voltage |
| Electrical output | Non-contacting, 2-wire |
| Selection of sensor version | Polyamide housing |