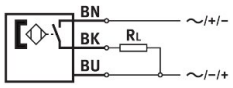
# Proximity sensor
# SME-8-K-LED-24

Part number: 150855






## Data sheet

| Feature | Value |
|---|---|
| Design | For T-slot |
| 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 RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC<br>To UK RoHS instructions |
| Note on materials | RoHS compliant |
| Application note | Support / actuator-sensor overview "The right sensor for the actuator" |
| Measured variable | Position |
| Measuring principle | Magnetic reed |
| Ambient temperature | -40 °C...60 °C |
| Repetition accuracy | 0.2 mm |
| Switching output | Contact-based, bipolar |
| Switching element function | N.O. contact |
| On time | 0.5 ms |
| Switch-off time | 0.03 ms |
| Max. switching frequency | 800 Hz |
| Max. output current | 500 mA |
| Min. switching capacity AC | 10 VA |
| Max. switching capacity DC | 10 W |
| Voltage drop | 0 V |
| Inductive protective circuit | Adapted to MZ, MY and ME coils |
| Short-circuit protection | No |
| Overload protection | Not available |
| Operating voltage range AC | 12 V...30 V |
| DC operating voltage range | 12 V...30 V |
| Reverse polarity protection | No |
| Electrical connection 1, connection type | Cable |
| Electrical connection 1, connection technology | Open end |
| Electrical connection 1, number of pins/wires | 3 |
| Connection outlet orientation | Longitudinal |

| Feature | Value |
|---|---|
| Cable length | 2.5 m |
| Color cable sheath | Gray |
| Material of cable sheath | TPE-U(PUR) |
| Type of mounting | Clamped in T slot<br>Can be inserted in slot lengthwise |
| Tightening torque | 0.2 Nm |
| Mounting position | Any |
| Product weight | 30 g |
| Housing colour | Black |
| Housing material | Epoxy<br>PC<br>PET<br>high-alloy stainless steel |
| Switching status indication | Yellow LED |
| Ambient temperature with flexible cable installation | -5 °C...60 °C |
| Degree of protection | IP65<br>IP67 |
| Insulation voltage | 50 V |
| Surge resistance | 0.8 kV |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Contamination level | 3 |