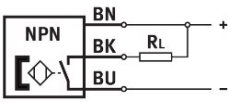
# Proximity sensor
# SMTO-4U-NS-K-LED-24

Part number: 152837






## Data sheet

| Feature | Value |
|---|---|
| Design | Round |
| Based on norm | 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 |
| Measured variable | Position |
| Measuring principle | Magneto-inductive |
| Ambient temperature | -25 °C...70 °C |
| Repetition accuracy | 0.2 mm |
| Switching output | NPN |
| Switching element function | N.O. contact |
| On time | 5 ms |
| Switch-off time | 5 ms |
| Max. output current | 200 mA |
| Max. switching capacity DC | 6 W |
| Voltage drop | 2 V |
| Inductive protective circuit | Installed |
| Minimum load current | 0.1 mA |
| Residual current | 0.01 mA |
| Short-circuit protection | Pulsed |
| Overload protection | Available |
| DC operating voltage range | 10 V...30 V |
| Residual ripple | 10% |
| Reverse polarity protection | for all electrical connections |
| 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 |
| Cable length | 2.5 m |

| Feature | Value |
|---|---|
| Cable characteristic | Standard |
| Color cable sheath | Gray |
| Material of cable sheath | PVC |
| Insulating sheath material | PVC |
| Wire ends | Tin-plated |
| Type of mounting | With accessories |
| Max. tightening torque | 0.8 Nm |
| Mounting position | Any |
| Product weight | 70 g |
| Housing colour | Black |
| Housing material | PET |
| 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 |