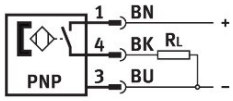
# Proximity sensor
# SMTSO-1-PS-S-LED-24

Part number: 30441






## Data sheet

| Feature | Value |
|---|---|
| Design | Block design |
| 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 |
| Special features | Welding field resistant<br>Welding spatter-resistant |
| 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 | PNP |
| Switching element function | N.O. contact |
| Hysteresis | 0.1 mm...1.5 mm |
| On time | 35 ms |
| Switch-off time | 20 ms |
| Max. switching frequency | 20 Hz |
| Max. output current | 200 mA |
| Max. switching capacity DC | 6 W |
| Voltage drop | 3 V |
| Inductive protective circuit | Adapted to MZ, MY and ME coils |
| 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 | Plug |
| Electrical connection 1, connection technology | M12x1 A-coded as per EN 61076-2-101 |

| Feature | Value |
|---|---|
| Electrical connection 1, number of pins/wires | 3 |
| Electrical connection 1, type of mounting | Screw-type lock |
| Connection outlet orientation | Longitudinal |
| Material of pin contacts | Gold-plated brass |
| Type of mounting | With accessories |
| Mounting position | Any |
| Product weight | 70 g |
| Housing material | PA<br>PUR<br>Die-cast zinc |
| Ready status indication | Green LED |
| Switching status indication | Yellow LED |
| Degree of protection | IP67 |
| Resistance to interference from magnetic fields | 50 - 60 Hz<br>Alternating magnetic field |
| LABS (PWIS) conformity | VDMA24364-B2-L |