

# Proximity Sensor

## SMT0-4U-PS-K-LED-24

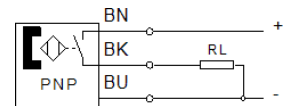
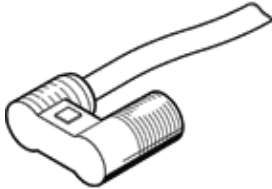
Part number: 152836

Classic - do not use for new projects

With light emitting diode and integrated protective circuit, without mounting kit.

Modern alternatives can be found by entering the first four characters of the type code in the search field.

FESTO



## Data sheet

| Feature  | Value   |
|--|---|
| Design   | Round   |
| Based on the standard                          | EN 60947-5-2  |
| Authorization                                  | RCM Mark  |
| CE symbol (see declaration of conformity)      | according to EU-EMV guideline<br>in accordance with EU RoHS directive |
| UKCA marking (see declaration of conformity)   | To UK instructions for EMC<br>To UK RoHS instructions                 |
| Materials note                                 | Conforms to RoHS  |
| Measured variable                              | Position  |
| Measuring principle                            | Magnetic inductive  |
| Ambient temperature                            | -25 ... 70 °C   |
| Repetition accuracy                            | 0.2 mm  |
| Switch output                                  | PNP   |
| Switching element function                     | Normally open contact   |
| Switch-on time                                 | ≤ 5 ms  |
| Switch-off time                                | ≤ 5 ms  |
| Max. output current                            | 200 mA  |
| Max. contact rating DC                         | 6 W   |
| Voltage drop                                   | ≤ 2 V   |
| Inductive protective circuit                   | Integrated  |
| Minimum load current                           | 0.1 mA  |
| Residual current                               | ≤ 0.01 mA   |
| Short circuit strength                         | Pulsing   |
| Overload withstand capability                  | Available   |
| Operating voltage range DC                     | 10 ... 30 V   |
| Residual ripple                                | 10 %  |
| Polarity protected                             | 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   |
| Connector exit direction                       | axial   |
| Cable length                                   | 2.5 m   |
| Cable attribute                                | Standard  |
| Cable sheath color                             | Grey  |
| Material cable sheath                          | PVC   |
| Material insulation                            | PVC   |
| Wire ends                                      | Galvanized  |
| Mounting type                                  | with accessories  |
| Max. tightening torque                         | 0.8 Nm  |
| Assembly position                              | Any   |
| Product weight                                 | 70 g  |

| <b>Feature</b>                                       | <b>Value</b>   |
|--|----------------|
| Housing color  | Black          |
| Material housing                                     | PET            |
| Operating status display                             | Yellow LED     |
| Ambient temperature with flexible cable installation | -5 ... 70 °C   |
| Protection class                                     | IP67           |
| PWIS conformity                                      | VDMA24364-B2-L |