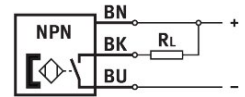


# Proximity sensor SMT0-4U-NS-K-LED-24

Part number: 152837

**FESTO**



[General operating condition](#)

## Data sheet

| Feature                                        | Value                                                 |
|------------------------------------------------|-------------------------------------------------------|
| Design                                         | Round                                                 |
| Based on norm                                  | EN 60947-5-2                                          |
| Symbol                                         | 00991149                                              |
| 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                                                 |
| Cable characteristic                           | Standard                                              |
| Color cable sheath                             | Gray                                                  |
| Material of cable sheath                       | PVC                                                   |

| Feature                                              | Value            |
|------------------------------------------------------|------------------|
| 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                          | LED yellow       |
| Ambient temperature with flexible cable installation | -5 °C ... 70 °C  |
| Degree of protection                                 | IP67             |
| LABS (PWIS) conformity                               | VDMA24364-B2-L   |