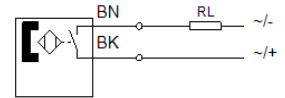
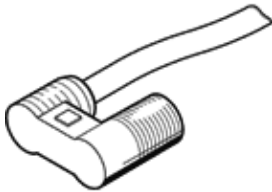


# Proximity Sensor SMEO-4U-K-LED 230

Part number: 150011  
Classic - do not use for new projects

FESTO

With reed contact and light-emitting diode, without mounting kit.  
Modern alternatives can be found by entering the first four characters of the type code in the search field.



## Data sheet

| Feature  | Value  |
|--|--|
| Design   | Round  |
| Conforms to standard                           | DIN EN 60947-5-2   |
| Authorization                                  | RCM Mark   |
| CE symbol (see declaration of conformity)      | according to EU-EMV guideline<br>according to EU low voltage guideline<br>in accordance with EU RoHS directive |
| UKCA marking (see declaration of conformity)   | To UK instructions for electrical equipment<br>To UK instructions for EMC<br>To UK RoHS instructions           |
| Measuring principle                            | Reed magnetic  |
| Ambient temperature                            | -20 ... 60 °C  |
| Repetition accuracy                            | 0.2 mm   |
| Switch output                                  | with contact, bipolar<br>Without LED function  |
| Switching element function                     | Normally open contact  |
| Switch-on time                                 | ≤ 2 ms   |
| Switch-off time                                | 0.05 ms  |
| Max. switching frequency                       | 500 Hz   |
| Max. output current AC                         | 250 mA   |
| Max. output current DC                         | 120 mA   |
| Max. contact rating AC                         | 10 VA  |
| Max. contact rating DC                         | 10 W   |
| Voltage drop                                   | ≤ 4.5 V  |
| Short circuit strength                         | No   |
| Overload withstand capability                  | Not available  |
| Operating voltage range AC                     | 12 ... 250 V   |
| Operating voltage range DC                     | 12 ... 250 V   |
| Polarity protected                             | No   |
| Electrical connection 1, connection type       | Cable  |
| Electrical connection 1, connection technology | Open end   |
| Electrical connection 1, number of pins/wires  | 2  |
| Connector exit direction                       | axial  |
| Cable length                                   | 2.5 m  |
| Material cable sheath                          | PVC  |
| Mounting type                                  | with accessories   |
| Tightening torque                              | 0.8 Nm   |
| Assembly position                              | Any  |
| Product weight                                 | 70 g   |
| Material housing                               | PET<br>TPE-O   |
| Operating status display                       | Yellow LED   |
| Protection class                               | IP67   |
| Surge strength                                 | 4 kV   |
| PWIS conformity                                | VDMA24364-B2-L   |
| Degree of contamination                        | 3  |