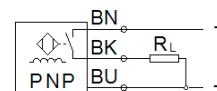
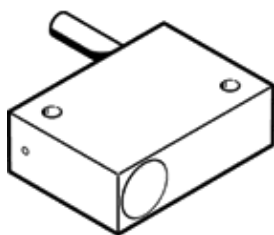


# proximity sensor SIES-QB-PS-K-L

Part number: 150488

**FESTO**

Inductive, special mechanical design.



## Data sheet

| Feature  | Value  |
|--|--|
| Conforms to standard                           | EN 60947-5-2   |
| Authorisation                                  | RCM Mark<br>c UL us - Listed (OL)  |
| CE mark (see declaration of conformity)        | to EU directive for EMC  |
| Materials note                                 | Free of copper and PTFE  |
| Nominal switching distance                     | 2 mm   |
| Guaranteed switching distance                  | 1.6 mm   |
| Reduction factors                              | Aluminium = 0.45<br>Stainless steel, St 18/8 = 0.8<br>Copper = 0.35<br>Brass = 0.5<br>Steel, St 37 = 1.0 |
| Ambient temperature                            | -25 ... 85 °C  |
| Repetition accuracy                            | 0.1 mm   |
| Switch output                                  | PNP  |
| Switching element function                     | Normally open contact  |
| Max. switching frequency                       | 1,200 Hz   |
| Max. switching frequency, DC                   | 1,200 Hz   |
| Maximum output current relative to temperature | 200 mA at $\leq 50^{\circ}\text{C}$<br>150 mA at $\leq 85^{\circ}\text{C}$                               |
| Voltage drop                                   | 3.2 V  |
| Short circuit strength                         | Pulsing  |
| Operating voltage range DC                     | 10 ... 30 V  |
| Residual ripple                                | 10 %   |
| Idle current                                   | $\leq 30\text{ mA}$  |
| Polarity protected                             | for all electrical connections   |
| Electrical connection                          | Cable<br>M8x1  |
| Cable length                                   | 2.5 m  |
| Material cable sheath                          | TPE-U(PUR)   |
| Size   | 12x26x40 mm  |
| Mounting type                                  | with through hole  |
| Type of installation                           | flush  |
| Product weight                                 | 170 g  |
| Material housing                               | PBT-reinforced   |
| Operating status display                       | Yellow LED   |
| Protection class                               | IP67   |