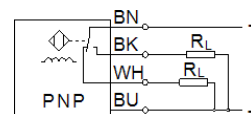
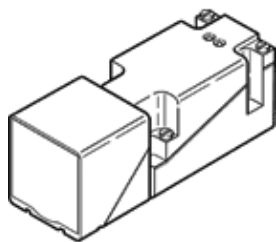


# proximity sensor SIES-Q40B-PA-X-2L

Part number: 150492

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                     | 15 mm   |
| Guaranteed switching distance                  | 12.2 mm   |
| Reduction factors                              | Aluminium = 0.3<br>Stainless steel, St 18/8 = 0.7<br>Copper = 0.25<br>Brass = 0.3<br>Steel, St 37 = 1.0 |
| Ambient temperature                            | -25 ... 85 °C   |
| Repetition accuracy                            | 0.75 mm   |
| Switch output                                  | PNP   |
| Switching element function                     | Antivalent  |
| Max. switching frequency                       | 100 Hz  |
| Max. switching frequency, DC                   | 100 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                                   | 3.5 V   |
| Short circuit strength                         | Pulsing   |
| Operating voltage range DC                     | 10 ... 30 V   |
| Residual ripple                                | 10 %  |
| Idle current                                   | $\leq 40\text{ mA}$   |
| Polarity protected                             | for all electrical connections  |
| Electrical connection                          | Screwed terminal  |
| Material connector housing                     | PA<br>PBT   |
| Cable gland connection                         | M20x1,5   |
| Permissible cable diameter                     | 7.5 ... 12.5 mm   |
| Size   | 40x40x120 mm  |
| Mounting type                                  | with through hole   |
| Type of installation                           | flush   |
| Product weight                                 | 230 g   |
| Material housing                               | PET   |
| Ready status display                           | Green LED   |
| Operating status display                       | Yellow LED  |
| Protection class                               | IP65  |