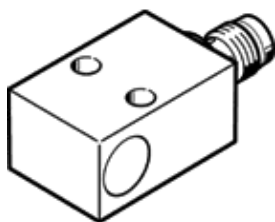


# proximity sensor SIES-V3B-PS-S-L

Part number: 150491

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   |
| Nominal switching distance                     | 2 mm  |
| Guaranteed switching distance                  | 1.6 mm  |
| Reduction factors                              | Aluminium = 0.45<br>Stainless steel, St 18/8 = 0.7<br>Copper = 0.3<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                          | 3-pin<br>M8x1<br>Plug   |
| Size   | 15x20x30 mm   |
| Mounting type                                  | with through hole   |
| Type of installation                           | flush   |
| Product weight                                 | 120 g   |
| Material housing                               | Zinc die-casting  |
| Operating status display                       | Yellow LED  |
| Protection class                               | IP67  |
| PWIS conformity                                | VDMA24364-B2-L  |