

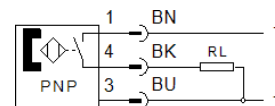
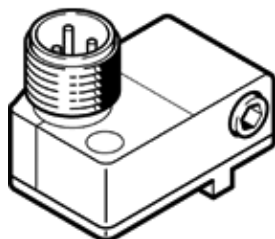
# proximity sensor SMT0-8E-PS-M12-LED-24

Part number: 171179

FESTO

Electric, contactless, PNP, for drives with T-slot, without mounting kit, with M12 plug.

Separate mounting component SMB-8E required (part no. 178230)



## Data sheet

| Feature  | Value   |
|--|---|
| Design   | for T-slot  |
| Authorisation                                  | RCM Mark  |
| CE mark (see declaration of conformity)        | to EU directive for EMC   |
| Materials note                                 | Free of copper and PTFE<br>Conforms to RoHS                             |
| Measuring principle                            | Magnetostrictive  |
| Ambient temperature                            | -20 ... 60 °C   |
| Repetition accuracy                            | 0.2 mm  |
| Switch output                                  | PNP   |
| Switching element function                     | Normally open contact   |
| Switch-on time                                 | ≤ 1.3 ms  |
| Switch-off time                                | ≤ 1.4 ms  |
| Max. output current                            | 100 mA  |
| Max. contact rating DC                         | 2.8 W   |
| Voltage drop                                   | ≤ 1.8 V   |
| Residual current                               | ≤ 0.01 mA   |
| Short circuit strength                         | Yes   |
| Overload withstand capability                  | Available   |
| Operating voltage range DC                     | 10 ... 30 V   |
| Polarity protected                             | for all electrical connections  |
| Electrical connection 1, connection type       | Plug  |
| Electrical connection 1, connection technology | M12x1, A-coded in accordance with EN 61076-2-101                        |
| Electrical connection 1, number of pins/wires  | 3   |
| Connector exit direction                       | Lateral   |
| Max. tightening torque plug                    | 0.5 Nm  |
| Mounting type                                  | Clamped in T-slot<br>with accessories<br>Insertable in slot from above  |
| Tightening torque                              | 0.5 Nm  |
| Product weight                                 | 12 g  |
| Material housing                               | Wrought Aluminium alloy<br>TPE-U(PU)<br>High alloy steel, non-corrosive |
| Operating status display                       | Yellow LED  |
| Protection class                               | IP65<br>IP67  |