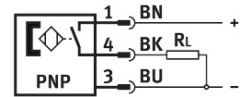


Proximity sensor SMT0-8E-PS-S-LED-24

Part number: 171178

FESTO



[General operating condition](#)

Data sheet

| Feature | Value |
|--|--|
| Design | For T-slot |
| Based on standard | EN 60947-5-2 |
| Symbol | 00991153 |
| Approval | RCM trademark |
| CE mark (see declaration of conformity) | To EU EMC Directive In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC To UK RoHS instructions |
| Note on materials | RoHS-compliant |
| Instructions on use | Support / actuator-sensor overview "The right sensor for the actuator" |
| Measured variable | Position |
| Measuring principle | Magneto-resistive |
| Ambient temperature | -20 °C ... 60 °C |
| Repetition accuracy | 0.2 mm |
| Switching output | PNP |
| Switching element function | N/O contact |
| Switch-on time | ≤1.3 ms |
| Switch-off time | ≤7.3 ms |
| Max. switching frequency | 130 Hz |
| Max. output current | 100 mA |
| Max. switching capacity DC | 2.8 W |
| Voltage drop | ≤1.8 V |
| Inductive protective circuit | Adapted to MZ, MY, ME coils |
| Off-state current | ≤0.01 mA |
| Short circuit current rating | Pulsed |
| Overload protection | Available |
| Operational voltage range DC | 10 V ... 30 V |
| Residual ripple | 10 % |
| Reverse polarity protection | For all electrical connections |
| Electrical connection 1, connection type | Plugs |
| Electrical connection 1, connector system | M8x1, A-coded, to EN 61076-2-104 |
| Electrical connection 1, number of connections/cores | 3 |
| Electrical connection 1, type of mounting | Snap-locking Screw-type lock Not rotatable |
| Electrical connection 1, compatible type of mounting | Compatible with latching lock Compatible with rotatable screw-type lock |

| Feature | Value |
|---|--|
| Electrical connection 1, connection pattern | 00991155 |
| Connection outlet orientation | Lateral |
| Material electrical contact | Gold-plated brass |
| Max. tightening torque connector | 0.3 Nm |
| Type of mounting | Clamped in T-slot With accessories Insertable in the slot from above |
| Tightening torque | 1 Nm |
| Mounting position | optional |
| Product weight | 12 g |
| Housing colour | Black |
| Material housing | TPE-U(PU) |
| Switching status indication | Yellow LED |
| Degree of protection | IP65 IP67 |
| LABS (PWIS) conformity | VDMA24364-B2-L |