

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 norm | EN 60947-5-2 |
| Symbol | 00991153 |
| Certification | RCM compliance mark |
| CE marking (see declaration of conformity) | As per EU EMC directive As per EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK RoHS instructions |
| Note on materials | RoHS compliant |
| Application note | 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 |
| 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 and ME coils |
| Residual current | ≤0.01 mA |
| Short-circuit protection | Yes |
| Overload protection | Yes |
| DC operating voltage range | 10 V ... 30 V |
| Residual ripple | 10% |
| Reverse polarity protection | for all electrical connections |
| Electrical connection 1, connection type | Plug |
| Electrical connection 1, connection technology | M8x1 A-coded as per EN 61076-2-104 |
| Electrical connection 1, number of pins/wires | 3 |
| Electrical connection 1, type of mounting | not rotatable |
| Electrical connection 1, type of mounting | Compatible with snap-locking Compatible with rotatable screw-type lock |
| Electrical connection for input 1, connection pattern | 00991155 |
| Connection outlet orientation | Transverse |

| Feature | Value |
|-----------------------------|---|
| Material of pin contacts | Gold-plated brass |
| Material of screw-type lock | Brass, nickel-plated |
| Max. tightening torque plug | 0.3 Nm |
| Type of mounting | Clamped in T slot With accessories Can be inserted in slot from above |
| Tightening torque | 1 Nm |
| Mounting position | Any |
| Product weight | 12 g |
| Housing colour | Black |
| Housing material | TPE-U(PU) |
| Switching status indication | Yellow LED |
| Degree of protection | IP65 IP67 |
| LABS (PWIS) conformity | VDMA24364-B2-L |