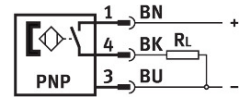


Proximity sensor SMT0-1-PS-S-LED-24-C

Part number: 151685

FESTO



[General operating condition](#)

Data sheet

| Feature | Value |
|--|--|
| Design | Block design |
| 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 |
| Measured variable | Position |
| Measuring principle | Magneto-inductive |
| Ambient temperature | -25 °C ... 70 °C |
| Repetition accuracy | 0.2 mm |
| Switching output | PNP |
| Switching element function | N/O contact |
| Hysteresis | 0.1 mm ... 1.5 mm |
| Switch-on time | ≤1 ms |
| Switch-off time | ≤1 ms |
| Max. switching frequency | 1000 Hz |
| Max. output current | 200 mA |
| Max. switching capacity DC | 6 W |
| Voltage drop | ≤3 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 | In-line |
| Material electrical contact | Gold-plated brass |
| Type of mounting | With accessories |
| Mounting position | optional |
| Product weight | 20 g |
| Housing colour | Black |
| Material housing | PC PET POM PUR Steel Die-cast zinc |
| Switching status indication | Yellow LED |
| Degree of protection | IP67 |
| LABS (PWIS) conformity | VDMA24364-B2-L |