

Proximity sensor SMT-C1-PS-24V-K-0,3-M12

Part number: 571341

FESTO



 [General operating condition](#)

Data sheet

| Feature | Value |
|---|--|
| Design | Block design |
| 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 Halogen-free |
| Application note | Support / actuator-sensor overview "The right sensor for the actuator" |
| Measured variable | Position |
| Measuring principle | Magneto-inductive |
| Ambient temperature | -20 °C ... 70 °C |
| Switching output | PNP |
| Switching element function | N/O contact |
| Hysteresis | ≤2 mm |
| On time | ≤0.5 ms |
| Switch-off time | ≤0.5 ms |
| Max. output current | 200 mA |
| Max. switching capacity DC | 6 W |
| Voltage drop | <1.8 V |
| Inductive protective circuit | Adapted to MZ, MY and ME coils |
| Minimum load current | 0 mA |
| Residual current | <0.1 mA |
| Short-circuit protection | yes |
| Overload protection | Yes |
| Rated operating voltage DC | 24 V |
| DC operating voltage range | 10 V ... 30 V |
| Residual ripple | 10 % |
| Reverse polarity protection | for all electrical connections |
| Electrical connection 1, connection type | Cable with plug |
| Electrical connection 1, connection technology | M12x1 A-coded as per EN 61076-2-101 |
| Electrical connection 1, number of pins/wires | 3 |
| Electrical connection 1, type of mounting | rotatable |
| Electrical connection 1, type of mounting | Compatible with rotatable/non-rotatable screw-type lock |
| Electrical connection for input 1, connection pattern | 00995573 |

| Feature | Value |
|--|---|
| Connection outlet orientation | Longitudinal |
| Material of pin contacts | Brass, gold-plated |
| Material of screw-type lock | Brass, nickel-plated |
| Cable length | 0.3 m |
| Color cable sheath | Gray |
| Material of cable sheath | TPE-O |
| Type of mounting | Clamped |
| Tightening torque | 1.2 Nm |
| Mounting position | Any |
| Product weight | 32.6 g |
| Housing colour | Black |
| Housing material | Wrought aluminum alloy TPE-U(PU) High-alloy stainless steel |
| Switching status indication | LED yellow |
| Ambient temperature with flexible cable installation | -20 °C ... 70 °C |
| Degree of protection | IP65 IP68 as per IEC 60529 |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| For use in the food industry | See supplementary material information |