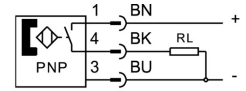


Proximity sensor SMTSO-8E-PS-M12-LED-24

Part number: 191986

FESTO



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 instructions for EMC To UK RoHS instructions |
| Special features | Welding field resistant Resistant to welding spatter |
| Note on materials | RoHS-compliant |
| Application note | Support / actuator-sensor overview "The right sensor for the actuator" |
| Measured variable | Position |
| Measuring principle | Magneto-inductive |
| Ambient temperature | -25 °C ... 70 °C |
| Repetition accuracy | 0.2 mm |
| Switching output | PNP |
| Switching characteristics during the welding process | Output signal freezes |
| Switching element function | N/O contact |
| On time | 38 ms |
| Switch-off time | 20 ms |
| Max. switching frequency | 14 Hz |
| Max. output current | 200 mA |
| Max. switching capacity DC | 6 W |
| Voltage drop | ≤3 V |
| Residual current | ≤0.01 mA |
| Short-circuit protection | Pulsed |
| Overload protection | Available |
| 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 | M12x1 A-coded as per EN 61076-2-101 |
| Electrical connection 1, number of pins/wires | 3 |
| Electrical connection 1, type of mounting | Screw-type lock |
| Electrical connection for input 1, connection pattern | 00995573 |

| Feature | Value |
|---|---|
| Connection outlet orientation | Transverse |
| Material of pin contacts | Brass, gold-plated |
| Type of mounting | Clamped in T slot Can be inserted in slot from above |
| Mounting position | Any |
| Product weight | 19 g |
| Housing colour | Black |
| Housing material | Wrought aluminum alloy PA TPE-U(PU) High-alloy stainless steel |
| Switching status indication | LED yellow |
| Degree of protection | IP65 IP67 |
| Resistance to interference from magnetic fields | 45 - 65 Hz Alternating magnetic field |
| LABS (PWIS) conformity | VDMA24364-B2-L |