

Proximity sensor SME-8-K5-LED-24

Part number: 175404

FESTO



General operating condition

Data sheet

| Feature | Value |
|------------------------------------------------------|------------------------------------------------------------------------|
| Design | For T-slot |
| Conforms to standard | EN 60947-5-2 |
| Symbol | 00991620 |
| 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 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 | Magnetic reed |
| Ambient temperature | -40 °C ... 70 °C |
| Repetition accuracy | 0.2 mm |
| Switching output | Contacting, bipolar |
| Switching element function | N/O contact |
| Switch-on time | ≤0.5 ms |
| Switch-off time | 0.03 ms |
| Max. switching frequency | 800 Hz |
| Max. output current | 500 mA |
| Max. switching capacity AC | 10 VA |
| Max. switching capacity DC | 10 W |
| Voltage drop | 0 V |
| Inductive protective circuit | Adapted to MZ, MY, ME coils |
| Short circuit current rating | no |
| Overload protection | Not available |
| Operational voltage range AC | 12 V ... 30 V |
| Operational voltage range DC | 12 V ... 30 V |
| Reverse polarity protection | no |
| Electrical connection 1, connection type | Cable |
| Electrical connection 1, connector system | Open end |
| Electrical connection 1, number of connections/cores | 3 |
| Connection outlet orientation | In-line |
| Cable length | 5 m |
| Cable sheath colour | Grey |
| Material cable sheath | TPE-U(PUR) |

| Feature | Value |
|---------------------------------------|--------------------------------------------------------|
| Type of mounting | Clamped in T-slot Insertable in the slot lengthwise |
| Tightening torque | 0.2 Nm |
| Mounting position | optional |
| Product weight | 60 g |
| Housing colour | Black |
| Material housing | PC PET High-alloy stainless steel |
| Switching status indication | Yellow LED |
| Ambient temperature with moving cable | -5 °C ... 70 °C |
| Degree of protection | IP65 IP67 |
| Insulation voltage | 50 V |
| Immunity to surge | 0.8 kV |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Pollution degree | 3 |