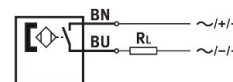


# Proximity sensor SME-8-K-24-S6

Part number: 161756

FESTO



## Data sheet

| Feature                                        | Value                                                 |
|------------------------------------------------|-------------------------------------------------------|
| Design                                         | for T-slot                                            |
| Conforms to standard                           | EN 60947-5-2                                          |
| CE marking (see declaration of conformity)     | As per EU EMC directive<br>As per EU RoHS directive   |
| UKCA marking (see declaration of conformity)   | To UK instructions for EMC<br>To UK RoHS instructions |
| Note on materials                              | RoHS-compliant                                        |
| Application note                               | Only for fixed cable installation                     |
| Measured variable                              | Position                                              |
| Measuring principle                            | Magnetic reed                                         |
| Ambient temperature                            | -40 °C...120 °C                                       |
| Repetition accuracy                            | 0.2 mm                                                |
| Switching output                               | Contact-based, bipolar                                |
| Switching element function                     | N/O contact                                           |
| On time                                        | 0.5 ms                                                |
| Switch-off time                                | 0.03 ms                                               |
| Max. switching frequency                       | 800 Hz                                                |
| Max. output current                            | 500 mA                                                |
| Min. switching capacity AC                     | 10 VA                                                 |
| Max. switching capacity DC                     | 10 W                                                  |
| Voltage drop                                   | 0 V                                                   |
| Minimum load current                           | 0 mA                                                  |
| Short-circuit protection                       | no                                                    |
| Overload protection                            | Not available                                         |
| Operating voltage range AC                     | 0 V...30 V                                            |
| DC operating voltage range                     | 0 V...30 V                                            |
| Reverse polarity protection                    | no                                                    |
| Electrical connection 1, connection type       | Cable                                                 |
| Electrical connection 1, connection technology | Open end                                              |
| Electrical connection 1, number of pins/wires  | 2                                                     |
| Connection outlet orientation                  | Longitudinal                                          |
| Cable length                                   | 2.5 m                                                 |

| Feature                                              | Value                                                   |
|------------------------------------------------------|---------------------------------------------------------|
| Material of cable sheath                             | TPE-S                                                   |
| Type of mounting                                     | Clamped in T slot<br>Can be inserted in slot lengthwise |
| Tightening torque                                    | 0.2 Nm                                                  |
| Mounting position                                    | Any                                                     |
| Product weight                                       | 50 g                                                    |
| Housing colour                                       | Black                                                   |
| Housing material                                     | Epoxy resin<br>PET<br>High-alloy stainless steel        |
| Ambient temperature with flexible cable installation | -5 °C...120 °C                                          |
| Degree of protection                                 | IP67                                                    |
| Insulation voltage                                   | 50 V                                                    |
| Surge resistance                                     | 0.8 kV                                                  |
| Vibration resistance to DIN/IEC 68 Part 2-6          | Tested as per severity level 2                          |
| Continuous shock resistance to DIN/IEC 68 Part 2-82  | Tested as per severity level 2                          |
| LABS (PWIS) conformity                               | VDMA24364-B2-L                                          |
| Contamination level                                  | 3                                                       |