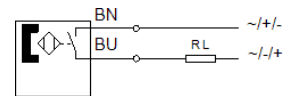
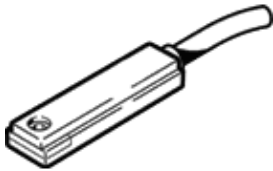


# proximity sensor SME-8-K-24-S6

Part number: 161756

**FESTO**



## Data sheet

| Feature                                              | Value                                                       |
|------------------------------------------------------|-------------------------------------------------------------|
| Design                                               | for T-slot                                                  |
| Conforms to standard                                 | EN 60947-5-2                                                |
| Materials note                                       | Free of copper and PTFE<br>Conforms to RoHS                 |
| Measuring principle                                  | Reed magnetic                                               |
| Ambient temperature                                  | -40 ... 120 °C                                              |
| Switch output                                        | with contact, bipolar                                       |
| Switching element function                           | Normally open contact                                       |
| Reproducibility of switching value                   | +/- 0,1 mm                                                  |
| Switch-on time                                       | <= 0.5 ms                                                   |
| Switch-off time                                      | <= 0.03 ms                                                  |
| Max. switching frequency                             | 800 Hz                                                      |
| Max. output current                                  | 500 mA                                                      |
| Max. contact rating AC                               | 10 VA                                                       |
| Max. contact rating DC                               | 10 W                                                        |
| Voltage drop                                         | <= 0 V                                                      |
| Short circuit strength                               | No                                                          |
| Overload withstand capability                        | Not available                                               |
| Operating voltage range AC                           | 0 ... 30 V                                                  |
| Operating voltage range DC                           | 0 ... 30 V                                                  |
| Polarity protected                                   | No                                                          |
| Electrical connection 1, connection type             | Cable                                                       |
| Electrical connection 1, connection technology       | Open end                                                    |
| Electrical connection 1, number of pins/wires        | 2                                                           |
| Connector exit direction                             | axial                                                       |
| Cable length                                         | 2.5 m                                                       |
| Material cable sheath                                | TPE-S                                                       |
| Mounting type                                        | Clamped in T-slot<br>Insertable into slot lengthwise        |
| Tightening torque                                    | 0.2 Nm                                                      |
| Product weight                                       | 50 g                                                        |
| Material housing                                     | Epoxy resin<br>PC<br>PET<br>High alloy steel, non-corrosive |
| Ambient temperature with flexible cable installation | -5 ... 120 °C                                               |
| Protection class                                     | IP67                                                        |
| Insulation voltage                                   | 50 V                                                        |
| Surge strength                                       | 0.8 kV                                                      |
| Degree of contamination                              | 3                                                           |