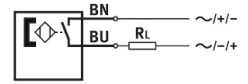


# Proximity sensor SMEO-1-S6-C

Part number: 151673

**FESTO**



 General operating condition

## Data sheet

| Feature                                              | Value                                                                                               |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Design                                               | Block design                                                                                        |
| Conforms to standard                                 | EN 60947-5-2                                                                                        |
| Symbol                                               | 00991624                                                                                            |
| CE mark (see declaration of conformity)              | To EU EMC Directive<br>To EU Low Voltage Directive<br>In accordance with EU RoHS Directive          |
| UKCA marking (see declaration of conformity)         | To UK instructions for EMC<br>To UK RoHS instructions<br>To UK regulations for electrical equipment |
| Note on materials                                    | RoHS-compliant                                                                                      |
| Measured variable                                    | Position                                                                                            |
| Measuring principle                                  | Magnetic reed                                                                                       |
| Ambient temperature                                  | -50 °C ... 120 °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                             | 500 Hz                                                                                              |
| Max. output current                                  | 1000 mA                                                                                             |
| Max. switching capacity AC                           | 40 VA                                                                                               |
| Max. switching capacity DC                           | 40 W                                                                                                |
| Voltage drop                                         | ≤0 V                                                                                                |
| Off-state current                                    | 0 mA                                                                                                |
| Short circuit current rating                         | no                                                                                                  |
| Overload protection                                  | Not available                                                                                       |
| Operational voltage range AC                         | 0 V ... 250 V                                                                                       |
| Operational voltage range DC                         | 0 V ... 200 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 | 2                                                                                                   |
| Connection outlet orientation                        | In-line                                                                                             |
| Cable length                                         | 2.5 m                                                                                               |
| Cable sheath colour                                  | Grey                                                                                                |
| Material cable sheath                                | TPE-S                                                                                               |
| Type of mounting                                     | With accessories                                                                                    |

| Feature                               | Value                                        |
|---------------------------------------|----------------------------------------------|
| Tightening torque                     | 2.9 Nm                                       |
| Mounting position                     | optional                                     |
| Product weight                        | 100 g                                        |
| Housing colour                        | Black                                        |
| Material housing                      | PC<br>PET<br>Steel<br>TPE-O<br>Die-cast zinc |
| Ambient temperature with moving cable | -40 °C ... 120 °C                            |
| Degree of protection                  | IP67                                         |
| Insulation voltage                    | 250 V                                        |
| Immunity to surge                     | 4 kV                                         |
| LABS (PWIS) conformity                | VDMA24364-B2-L                               |
| Pollution degree                      | 3                                            |