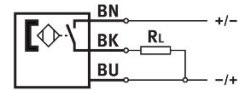


# Proximity sensor SMEO-4U-K-LED-24

Part number: 36198

**FESTO**



[PDF](#) General operating condition

## Data sheet

| Feature                                              | Value                                                 |
|------------------------------------------------------|-------------------------------------------------------|
| Design                                               | Round                                                 |
| Symbol                                               | 00991145                                              |
| Certification                                        | RCM compliance mark                                   |
| 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 |
| Measuring principle                                  | Magnetic reed                                         |
| Ambient temperature                                  | -20 °C ... 60 °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                                                |
| Max. switching capacity DC                           | 10 W                                                  |
| Inductive protective circuit                         | Adapted to MZ, MY and ME coils                        |
| Short-circuit protection                             | no                                                    |
| DC operating voltage range                           | 12 V ... 27 V                                         |
| Residual ripple                                      | 10 %                                                  |
| Reverse polarity protection                          | no                                                    |
| Electrical connection 1, connection type             | Cable                                                 |
| Electrical connection 1, connection technology       | Open end                                              |
| Electrical connection 1, number of pins/wires        | 3                                                     |
| Connection outlet orientation                        | Longitudinal                                          |
| Cable length                                         | 2.5 m                                                 |
| Color cable sheath                                   | Gray                                                  |
| Material of cable sheath                             | TPE-U(PUR)                                            |
| Type of mounting                                     | With accessories                                      |
| Mounting position                                    | Any                                                   |
| Product weight                                       | 70 g                                                  |
| Housing material                                     | PET                                                   |
| Switching status indication                          | LED yellow                                            |
| Ambient temperature with flexible cable installation | -5 °C ... 60 °C                                       |
| Degree of protection                                 | IP67                                                  |

| Feature                | Value          |
|------------------------|----------------|
| LABS (PWIS) conformity | VDMA24364-B2-L |