



1) Reference edge, 2) Sealing ring, 3) Function indicator FD/FE/LL, 4) Sensing surface



**Basic features**

|                     |                                 |
|---------------------|---------------------------------|
| Approval/Conformity | CE<br>UKCA<br>WEEE              |
| Basic standard      | IEC 60947-5-2                   |
| DIN switch          | DIN 43697                       |
| Operating principle | 1-3. Switch position: Inductive |
| Version             | Inductive                       |

**Display/Operation**

|                    |                                     |
|--------------------|-------------------------------------|
| Function indicator | 1-3. Switch position: Optical fiber |
|--------------------|-------------------------------------|

**Electrical connection**

|                    |                                      |
|--------------------|--------------------------------------|
| Connection type    | 1-3. Switch position: Screw terminal |
| Electrical version | 3-/4-wire                            |

**Electrical data**

|                            |                               |
|----------------------------|-------------------------------|
| Continuous current         | 1-3. Switch position: 0.2 A   |
| Rated operating voltage Ue | 1-3. Switch position: 24 V DC |

**Environmental conditions**

|                     |             |
|---------------------|-------------|
| Ambient temperature | -25...70 °C |
| IP rating           | IP67        |

**Functional safety**

|              |                    |
|--------------|--------------------|
| MTTF (40 °C) | BES 517-110: 490 a |
|--------------|--------------------|

**Interface**

|                  |                   |
|------------------|-------------------|
| Switching output | PNP complementary |
|------------------|-------------------|

**Material**

|                                      |                     |
|--------------------------------------|---------------------|
| Housing material                     | Aluminium, Anodized |
| Housing material, surface protection | Anodized            |

**Mechanical data**

|                                     |                                   |
|-------------------------------------|-----------------------------------|
| Dimension                           | 120 x 90 x 87 mm                  |
| Distance cam - active surface       | 1-3. Switch position: 0...1.62 mm |
| Flange, feed-through                | 2 threaded exit M25               |
| Installation                        | Vertical                          |
| Plunger spacing 1st switch position | 30 mm                             |
| Switching element                   | 1-3. Switch position: BES 517-110 |

**Range/Distance**

|                               |                              |
|-------------------------------|------------------------------|
| Assured operating distance Sa | 1-3. Switch position: 1.6 mm |
| Range                         | 2 mm                         |
| Rated operating distance Sn   | 1-3. Switch position: 2.0 mm |
| Switch position spacing       | 16 mm                        |

## Wiring Diagrams (Schematic)

