



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



### Basic features

|                            |                                 |
|----------------------------|---------------------------------|
| <b>Approval/Conformity</b> | CE<br>UKCA<br>WEEE              |
| <b>Basic standard</b>      | IEC 60947-5-2                   |
| <b>Operating principle</b> | 1-4. Switch position: Inductive |
| <b>Version</b>             | Inductive                       |

### Display/Operation

|                           |                                     |
|---------------------------|-------------------------------------|
| <b>Function indicator</b> | 1-4. Switch position: Optical fiber |
|---------------------------|-------------------------------------|

### Electrical connection

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

### Electrical data

|                                   |                               |
|-----------------------------------|-------------------------------|
| <b>Continuous current</b>         | 1-4. Switch position: 0.2 A   |
| <b>Rated operating voltage Ue</b> | 1-4. Switch position: 24 V DC |

### Environmental conditions

|                            |             |
|----------------------------|-------------|
| <b>Ambient temperature</b> | -25...70 °C |
| <b>IP rating</b>           | IP67        |

### Functional safety

|                     |                    |
|---------------------|--------------------|
| <b>MTTF (40 °C)</b> | BES 517-110: 490 a |
|---------------------|--------------------|

### Interface

|                         |                   |
|-------------------------|-------------------|
| <b>Switching output</b> | PNP complementary |
|-------------------------|-------------------|

### Material

|   |                     |
|---|---------------------|
| <b>Housing material</b>                     | Aluminium, Anodized |
| <b>Housing material, surface protection</b> | Anodized            |

### Mechanical data

|  |                                   |
|--|-----------------------------------|
| <b>Dimension</b>                           | 79 x 60 x 77.5 mm                 |
| <b>Distance cam - active surface</b>       | 1-4. Switch position: 0...1.62 mm |
| <b>Flange, feed-through</b>                | None                              |
| <b>Installation</b>                        | Vertical                          |
| <b>Plunger spacing 1st switch position</b> | 12 mm                             |
| <b>Switching element</b>                   | 1-4. Switch position: BES 517-110 |

### Range/Distance

|                                      |                              |
|--------------------------------------|------------------------------|
| <b>Assured operating distance Sa</b> | 1-4. Switch position: 1.6 mm |
| <b>Range</b>                         | 2 mm                         |
| <b>Rated operating distance Sn</b>   | 1-4. Switch position: 2.0 mm |
| <b>Switch position spacing</b>       | 12 mm                        |

## Wiring Diagrams

