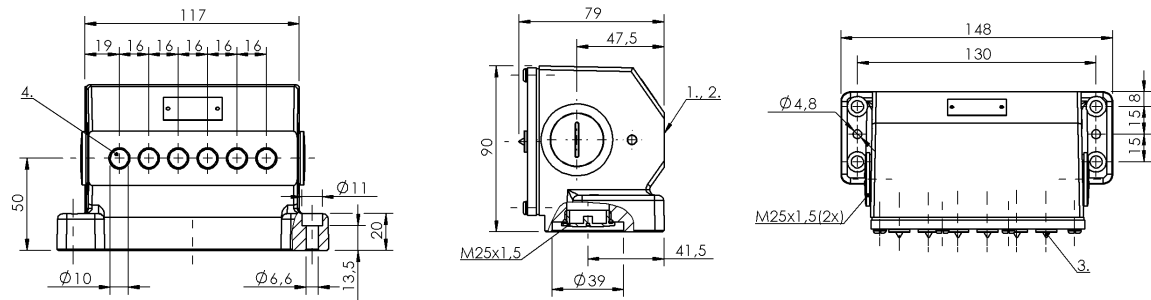




1) Reference edge, 2) Sensing surface, 3) Function indicator FD/FE/LL, 4) 1st pos.



Basic features

|                     |                                 |
|---------------------|---------------------------------|
| Approval/Conformity | CE<br>UKCA<br>WEEE              |
| Basic standard      | IEC 60947-5-2                   |
| Operating principle | 1-6. Switch position: Inductive |
| Version             | Inductive                       |

Display/Operation

|                    |                                     |
|--------------------|-------------------------------------|
| Function indicator | 1-6. Switch position: Optical fiber |
|--------------------|-------------------------------------|

Electrical connection

|                    |                                      |
|--------------------|--------------------------------------|
| Connection type    | 1-6. Switch position: Screw terminal |
| Electrical version | 3-/4-wire                            |

Electrical data

|                            |                               |
|----------------------------|-------------------------------|
| Continuous current         | 1-6. Switch position: 0.2 A   |
| Rated operating voltage Ue | 1-6. 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

|                               |                                   |
|-------------------------------|-----------------------------------|
| Distance cam - active surface | 1-6. Switch position: 0...1.62 mm |
| Flange, feed-through          | 1 threaded exit M25               |
| Installation                  | parallel                          |
| Switching element             | 1-6. Switch position: BES 517-110 |

Range/Distance

|                               |                              |
|-------------------------------|------------------------------|
| Assured operating distance Sa | 1-6. Switch position: 1.6 mm |
| Range                         | 2 mm                         |
| Rated operating distance Sn   | 1-6. Switch position: 2.0 mm |

Wiring Diagrams (Schematic)

