



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



Basic features

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

Display/Operation

| | |
|---------------------------|-------------------------------------|
| Function indicator | 1-2. Switch position: Optical fiber |
|---------------------------|-------------------------------------|

Electrical connection

| | |
|---------------------------|--------------------------------------|
| Connection type | 1-2. Switch position: Screw terminal |
| Electrical version | 3-/4-wire |

Electrical data

| | |
|-----------------------------------|-------------------------------|
| Continuous current | 1-2. Switch position: 0.2 A |
| Rated operating voltage Ue | 1-2. 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 |
|---------------------|--------------------|

Material

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

Mechanical data

| | |
|--------------------------------------------|-----------------------------------|
| Dimension | 120 x 70 x 87 mm |
| Distance cam - active surface | 1-2. Switch position: 0...1.62 mm |
| Flange, feed-through | 2 threaded exit M25 |
| Installation | Vertical |
| Plunger spacing 1st switch position | 30 mm |
| Switching element | 1-2. Switch position: BES 517-110 |

Output/Interface

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

Range/Distance

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

Wiring Diagrams

