



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



Basic features

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

Display/Operation

| | |
|---------------------------|-------------------------------------|
| Function indicator | 1-4. Switch position: Optical fiber |
|---------------------------|-------------------------------------|

Electrical connection

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

Electrical data

| | |
|-----------------------------------|-------------------------------|
| Continuous current | 1-4. Switch position: 0.13 A |
| Rated operating voltage Ue | 1-4. Switch position: 24 V DC |

Environmental conditions

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

Functional safety

| | |
|---------------------|-----------------------|
| MTTF (40 °C) | BES 517-312-Y: 1620 a |
|---------------------|-----------------------|

Interface

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|-------------------------|------------------------|
| Switching output | PNP normally open (NO) |
|-------------------------|------------------------|

Material

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

Mechanical data

| | |
|--|-------------------------------------|
| Distance cam - active surface | 1-4. Switch position: 0...0.90 mm |
| Flange, feed-through | None |
| Installation | Vertical |
| Plunger spacing 1st switch position | 13 mm |
| Switching element | 1-4. Switch position: BES 517-312-Y |

Range/Distance

| | |
|--------------------------------------|------------------------------|
| Assured operating distance Sa | 1-4. Switch position: 0.9 mm |
| Range | 1.1 mm |
| Rated operating distance Sn | 1-4. Switch position: 1.1 mm |
| Switch position spacing | 8 mm |

Wiring Diagrams

