



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



**Basic features**

<b>Approval/Conformity</b>	CE WEEE EAC
<b>Basic standard</b>	IEC 60947-5-2
<b>DIN switch</b>	DIN 43697
<b>Operating principle</b>	1-6. Switch position: Inductive
<b>Version</b>	Inductive

**Display/Operation**

<b>Function indicator</b>	1-6. Switch position: Optical fiber
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**Electrical connection**

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

**Electrical data**

<b>Continuous current</b>	1-6. Switch position: 0.2 A
<b>Rated operating voltage Ue</b>	1-6. 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
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**Material**

<b>Housing material</b>	Aluminum, Anodized
<b>Housing material, surface protection</b>	Anodized

**Mechanical data**

<b>Dimension</b>	120 x 140 x 86.5 mm
<b>Distance cam - active surface</b>	1-6. Switch position: 0...1.62 mm
<b>Flange, feed-through</b>	2 threaded exit M25
<b>Installation</b>	Vertical
<b>Plunger spacing 1st switch position</b>	30 mm
<b>Switching element</b>	1-6. Switch position: BES 517-110

**Output/Interface**

<b>Switching output</b>	PNP complementary
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**Range/Distance**

<b>Assured operating distance Sa</b>	1-6. Switch position: 1.6 mm
<b>Range</b>	2 mm
<b>Rated operating distance Sn</b>	1-6. Switch position: 2.0 mm
<b>Switch position spacing</b>	16 mm

## Wiring Diagrams

