



1) Reference edge, 2) Sensing surface, 3) Function indicator FD/FE/LL, 4) Sealing ring, 5) Cable passage



### Basic features

Approval/Conformity	CE UKCA WEEE
Basic standard	IEC 60947-5-2
DIN switch	DIN 43697
Operating principle	1-4. Switch position: Inductive
Version	Inductive

### Display/Operation

Function indicator	1-4. Switch position: Optical fiber
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### Electrical connection

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

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

### Functional safety

MTTF (40 °C)	BES 517-142-Y: 1680 a
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### Interface

Switching output	PNP complementary
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### Material

Housing material	Aluminium, Anodized
Housing material, surface protection	Anodized

### Mechanical data

Dimension	120 x 105 x 87 mm
Distance cam - active surface	1-4. Switch position: 0...4.05 mm
Flange, feed-through	2 threaded exit M25
Installation	Vertical
Plunger spacing 1st switch position	30 mm
Switching element	1-4. Switch position: BES 517-142-Y

### Range/Distance

Assured operating distance Sa	1-4. Switch position: 4 mm
Range	5 mm
Rated operating distance Sn	1-4. Switch position: 5.0 mm
Switch position spacing	16 mm

## Wiring Diagrams (Schematic)

