



1) Reference edge, 2) Sensing surface, 3) Function indicator FD/FE/LL, 4) Plastic, 5) Cable passage, 6) Sealing ring



Basic features

Additional features	Special switch
Approval/Conformity	CE UKCA WEEE
Basic standard	IEC 60947-5-2
DIN switch	DIN 43697
Operating principle	1-6. Switch position: Inductive
Version	Inductive

Display/Operation

Function indicator	1-6. Switch position: Optical fiber
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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	0...60 °C
IP rating	IP67

Functional safety

MTTF (40 °C)	BES 517-100-S44: 230 a BES 517-100-S43: 230 a BES 517-100-S42: 230 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

Distance cam - active surface	1-6. Switch position: 0...4.05 mm
Flange, feed-through	2 threaded exit M25
Installation	Vertical
Switching element	1. Switch position: BES 517-100-S42 2. Switch position: BES 517-100-S43 3. Switch position: BES 517-100-S44 4. Switch position: BES 517-100-S42 5. Switch position: BES 517-100-S43 6. Switch position: BES 517-100-S44

Mechanical Cam Switches
BNS 816-X603-B06-00-12-602-11
Order Code: BNS03LY



Range/Distance

Assured operating distance Sa 1-6. Switch position: 3.2 mm

Range

4 mm

Rated operating distance Sn

1-6. Switch position: 4 mm

Wiring Diagrams

