



1) Reference edge



### Basic features

Approval/Conformity	CE UKCA CCC WEEE
Basic standard	IEC 60947-5-1
Operating principle	1-6. Switch position: Mechanical
Version	Snap contact

### Display/Operation

Function indicator	1-6. Switch position: None
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### Electrical connection

Connection type	1-6. Switch position: Screw terminal
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### Electrical data

Continuous current	1-6. Switch position: 6 A
Rated operating voltage U <sub>e</sub>	1-6. Switch position: 250 V AC
Switching function mechanical	Double-interrupting galvanically isolated One NO and one NC Dual changeover
Switching rate	1-6. Switch position: 300/min

### Environmental conditions

Ambient temperature	-5...85 °C
IP rating	IP67

### Functional safety

B10d (EN ISO 13849-1)	BSE 30.0: 30 mil. switching cycles
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### Material

Housing material	Aluminium, Anodized
Housing material, surface protection	Anodized
Material contacts	1-6. Switch position: Silver, gold plated
Plunger material	1-6. Switch position: 1.4034 stainless steel

### Mechanical data

Approach direction	longitudinal, parallel to attachment surface
Approach speed	1-6. Switch position: 10 m/min
Dimension	79 x 84 x 63 mm
Distance cam - reference edge	1-6. Switch position: 4.50...5.00 mm
Flange, feed-through	None
Installation	Vertical
Life expectancy mechanical	1-6. Switch position: 30 mil. switching operations
Number of switching positions	6x Ball Mechanical
Plunger spacing 1st switch position	12 mm
Plunger style	1-6th switch position: Ball
Switch actuation force	1-6. Switch position: 20 N
Switching element	1-6. Switch position: BSE 30.0

Range/Distance

Reproducibility  
Switch position spacing

1-6. Switch position:  $\pm 0.002$  mm  
12 mm

## Wiring Diagrams

BSE 30.0

