



1) Reference edge, 2) Mark. Safety switch position



### Basic features

Approval/Conformity	CE WEEE
Basic standard	IEC 60947-5-1
Operating principle	1. Switch position: Mechanical with forced opening
Version	

### Display/Operation

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

Connection type	1. Switch position: Solder connection
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### Electrical data

Continuous current	1. Switch position: 5 A
Rated operating voltage U <sub>e</sub>	1. Switch position: 250 V AC
Switching function mechanical	NO forced-opening
Switching rate	1. Switch position: 200/min

### Environmental conditions

Ambient temperature	-5...80 °C
IP rating	IP67

### Functional safety

B10d (EN ISO 13849-1)	BSE 86: 10 mil. Switching operations
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### Material

Housing material	Aluminum, Anodized
Housing material, surface protection	Anodized
Material contacts	1. Switch position: Silver
Plunger material	1. Switch position: Stainless steel (1.4034)

### Mechanical data

Approach direction	longitudinal, parallel to attachment surface
Approach speed	1. Switch position: 9 m/min
Distance cam - reference edge	1. Switch position: 2.50...2.80 mm
Flange, feed-through	None
Installation	any
Life expectancy mechanical	1. Switch position: 10 million Switching operations
Number of switching positions	1x Ball
Plunger style	1st switch position: Ball
Switch actuation force	1. Switch position: 8 N
Switching element	1. Switch position: BSE 86

### Range/Distance

Reproducibility	1. Switch position: ±0.03 mm
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## Wiring Diagrams

