



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



### Basic features

<b>Approval/Conformity</b>	CE CCC WEEE EAC
<b>Basic standard</b>	IEC 60947-5-1
<b>DIN switch</b>	DIN 43693
<b>Operating principle</b>	1. Switch position: Mechanical
<b>Version</b>	Safety EN 60204-1

### Display/Operation

<b>Function indicator</b>	1. Switch position: None
---------------------------	--------------------------

### Electrical connection

<b>Connection type</b>	1. Switch position: Screw terminal
------------------------	------------------------------------

### Electrical data

<b>Continuous current</b>	1. Switch position: 6 A
<b>Rated operating voltage U<sub>e</sub></b>	1. Switch position: 250 V AC
<b>Switching function mechanical</b>	NC forced-opening per VDE Double-interrupting galvanically isolated
<b>Switching rate</b>	1. Switch position: 300/min

### Environmental conditions

<b>Ambient temperature</b>	-5...85 °C
<b>IP rating</b>	IP67

### Functional safety

<b>B10d (EN ISO 13849-1)</b>	BSE 61: 30 mil. switching cycles
------------------------------	----------------------------------

### Material

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

### Mechanical data

<b>Approach direction</b>	longitudinal, parallel to attachment surface
<b>Approach speed</b>	1. Switch position: 40 m/min
<b>Dimension</b>	74 x 28 x 61 mm
<b>Distance cam - reference edge</b>	1. Switch position: 4.50...5.00 mm
<b>Flange, feed-through</b>	None
<b>Installation</b>	any
<b>Life expectancy mechanical</b>	1. Switch position: 30 million Switching operations
<b>Number of switching positions</b>	1x Chisel
<b>Plunger spacing 1st switch position</b>	14 mm
<b>Plunger style</b>	1st switch position: Chisel
<b>Switch actuation force</b>	1. Switch position: 15 N
<b>Switching element</b>	1. Switch position: BSE 61

### Range/Distance

<b>Reproducibility</b>	1. Switch position: ±0.002 mm
------------------------	-------------------------------

## Wiring Diagrams

BSE 61

