



1) Reference edge



### Basic features

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

### Display/Operation

|                    |                          |
|--------------------|--------------------------|
| Function indicator | 1. Switch position: None |
|--------------------|--------------------------|

### Electrical connection

|                 |                                    |
|-----------------|------------------------------------|
| Connection type | 1. Switch position: Screw terminal |
|-----------------|------------------------------------|

### Electrical data

|                               |                              |
|-------------------------------|------------------------------|
| Continuous current            | 1. Switch position: 5 A      |
| Rated operating voltage Ue    | 1. Switch position: 250 V AC |
| Switching function mechanical | Single-pin changeover        |
| Switching rate                | 1. Switch position: 200/min  |

### Environmental conditions

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

### Functional safety

|                       |                                    |
|-----------------------|------------------------------------|
| B10d (EN ISO 13849-1) | BSE 70.1: 10 mil. switching cycles |
|-----------------------|------------------------------------|

### Material

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

### Mechanical data

|                                     |  |
|-------------------------------------|--|
| Approach direction                  | lateral or at right angles to mounting surface   |
| Approach speed                      | 1. Switch position: 60 m/min                     |
| Dimension                           | 42 x 22 x 47 mm                                  |
| Distance cam - reference edge       | 1. Switch position: 2.30...2.80 mm               |
| Flange, feed-through                | None   |
| Installation                        | any  |
| Life expectancy mechanical          | 1. Switch position: 10 mil. switching operations |
| Number of switching positions       | Roller Mechanical                                |
| Plunger spacing 1st switch position | 11 mm  |
| Plunger style                       | 1st switch position: Roller                      |
| Switch actuation force              | 1. Switch position: 8 N                          |
| Switching element                   | 1. Switch position: BSE 70.1                     |

### Range/Distance

|               |                              |
|---------------|------------------------------|
| Repeatability | 1. Switch position: ±0.05 mm |
|---------------|------------------------------|

## Wiring Diagrams (Schematic)

