



1) Reference edge



## Basic features

|                     |                                  |
|---------------------|----------------------------------|
| Approval/Conformity | CE<br>UKCA<br>CCC<br>WEEE        |
| Basic standard      | IEC 60947-5-1                    |
| Operating principle | 1-3. Switch position: Mechanical |
| Version             | Snap contact                     |

### Display/Operation

Function indicator 1-3. Switch position: None

## Electrical connection

Connection type 1-3. Switch position: Screw terminal

## Electrical data

|                               |                                |
|-------------------------------|--------------------------------|
| Continuous current            | 1-3. Switch position: 5 A      |
| Rated operating voltage Ue    | 1-3. Switch position: 250 V AC |
| Switching function mechanical | Single-pin changeover          |
| Switching rate                | 1-3. 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

|                                             |                                              |
|---------------------------------------------|----------------------------------------------|
| <b>Housing material</b>                     | Aluminium, Anodized                          |
| <b>Housing material, surface protection</b> | Anodized                                     |
| <b>Material contacts</b>                    | 1-3. Switch position: Silver                 |
| <b>Plunger material</b>                     | 1-3. Switch position: 1.4034 stainless steel |

## Mechanical data

|                                     |                                                    |
|-------------------------------------|----------------------------------------------------|
| Approach direction                  | longitudinal, parallel to attachment surface       |
| Approach speed                      | 1-3. Switch position: 20 m/min                     |
| Dimension                           | 40 x 42 x 48 mm                                    |
| Distance cam - reference edge       | 1-3. Switch position: 2.30...2.80 mm               |
| Flange, feed-through                | None                                               |
| Installation                        | Vertical                                           |
| Life expectancy mechanical          | 1-3. Switch position: 10 mil. switching operations |
| Number of switching positions       | 3x Chisel Mechanical                               |
| Plunger spacing 1st switch position | 13 mm                                              |
| Plunger style                       | 1-3rd switch position: Chisel                      |
| Switch actuation force              | 1-3. Switch position: 8 N                          |
| Switching element                   | 1-3. Switch position: BSE 70.1                     |

## Range/Distance

|                         |                                     |
|-------------------------|-------------------------------------|
| Reproducibility         | 1-3. Switch position: $\pm 0.02$ mm |
| Switch position spacing | 8 mm                                |

Wiring Diagrams

