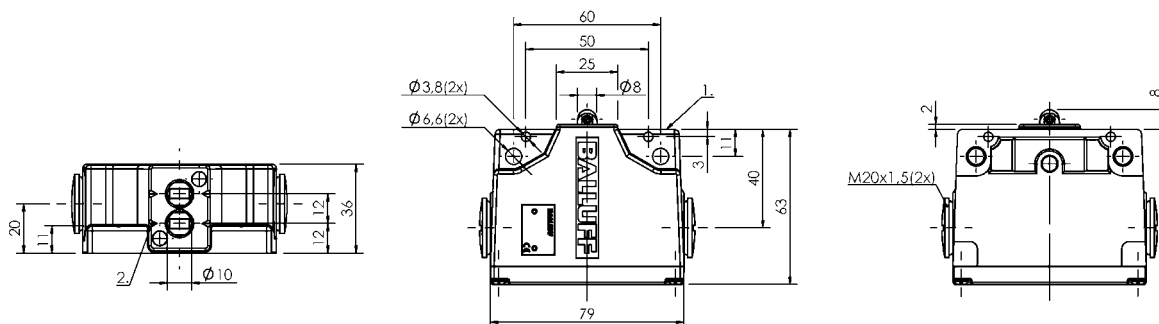




1) Reference edge, 2) Mark. Safety switch position



## Basic features

|                     |                                  |
|---------------------|----------------------------------|
| Approval/Conformity | CE<br>UKCA<br>CCC<br>WEEE        |
| Basic standard      | IEC 60947-5-1                    |
| Operating principle | 1-2. Switch position: Mechanical |
| Version             | Safety EN 60204-1                |

## Display/Operation

Function indicator 1-2. Switch position: None

## Electrical connection

Connection type 1-2. Switch position: Screw terminal

### Electrical data

|                               |                                                  |
|-------------------------------|--------------------------------------------------|
| Continuous current            | 1-2. Switch position: 6 A                        |
| Rated operating voltage Ue    | 1-2. Switch position: 250 V AC                   |
| Switching function mechanical | NC forced-opening per VDE<br>Double-interrupting |
| Switching rate                | 1-2. Switch position: 300/min                    |

## Environmental conditions

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

## Functional safety

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

## Material

|                                      |                                              |
|--------------------------------------|----------------------------------------------|
| Housing material                     | Aluminium, Anodized                          |
| Housing material, surface protection | Anodized                                     |
| Material contacts                    | 1-2. Switch position: Silver                 |
| Plunger material                     | 1-2. Switch position: 1.4034 stainless steel |

## Mechanical data

|                                            |                                                    |
|--------------------------------------------|----------------------------------------------------|
| <b>Approach direction</b>                  | longitudinal, parallel to attachment surface       |
| <b>Approach speed</b>                      | 1-2. Switch position: 60 m/min                     |
| <b>Dimension</b>                           | 79 x 36 x 63 mm                                    |
| <b>Distance cam - reference edge</b>       | 1-2. Switch position: 4.50...5.00 mm               |
| <b>Flange, feed-through</b>                | None                                               |
| <b>Installation</b>                        | Vertical                                           |
| <b>Life expectancy mechanical</b>          | 1-2. Switch position: 30 mil. switching operations |
| <b>Number of switching positions</b>       | 2x Roller Mechanical                               |
| <b>Plunger spacing 1st switch position</b> | 12 mm                                              |
| <b>Plunger style</b>                       | 1-2nd switch position: Roller                      |
| <b>Switch actuation force</b>              | 1-2. Switch position: 15 N                         |
| <b>Switching element</b>                   | 1-2. Switch position: BSE 61                       |

Range/Distance

Reproducibility  
Switch position spacing

1-2. Switch position:  $\pm 0.01$  mm  
12 mm

Wiring Diagrams

BSE 61

