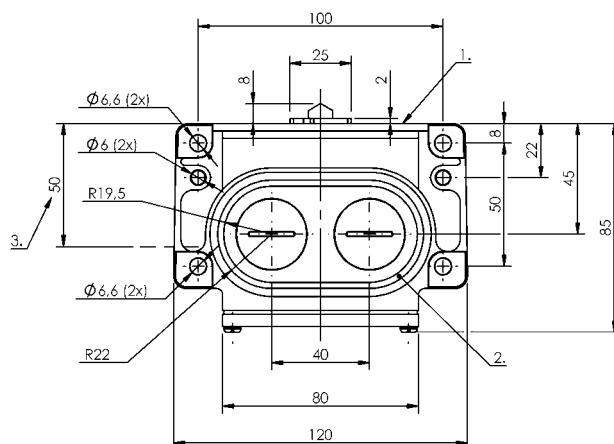
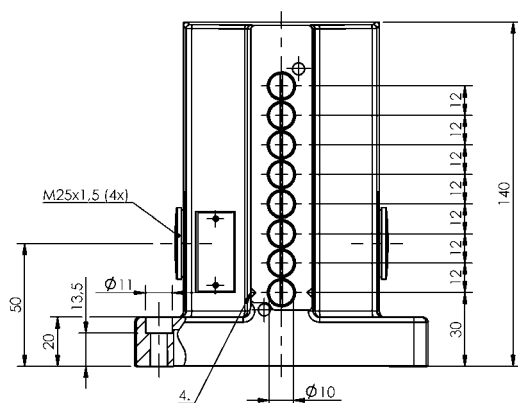




1) Reference edge, 2) Sealing ring, 3) Cable passage, 4) Mark. Safety switch position



## Basic features

|                     |                                  |
|---------------------|----------------------------------|
| Approval/Conformity | CE<br>UKCA<br>CCC<br>WEEE        |
| Basic standard      | IEC 60947-5-1                    |
| DIN switch          | DIN 43697                        |
| Operating principle | 1-8. Switch position: Mechanical |
| Version             | Safety EN 60204-1                |

## Display/Operation

Function indicator 1-8. Switch position: None

## Electrical connection

Connection type 1-8. Switch position: Screw terminal

## Electrical data

|                            |                                |
|----------------------------|--------------------------------|
| Continuous current         | 1-8. Switch position: 6 A      |
| Rated operating voltage Ue | 1-8. Switch position: 250 V AC |
| Switching rate             | 1-8. Switch position: 300/min  |

## Environmental conditions

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

## Functional safety

|                       |                                                                        |
|-----------------------|------------------------------------------------------------------------|
| B10d (EN ISO 13849-1) | BSE 30.0: 30 mil. switching cycles<br>BSE 61: 30 mil. switching cycles |
|-----------------------|------------------------------------------------------------------------|

## Material

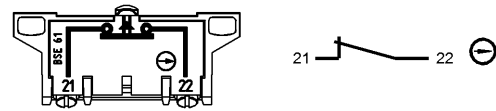
|                                      |                                                                         |
|--------------------------------------|-------------------------------------------------------------------------|
| Housing material                     | Aluminium, Anodized                                                     |
| Housing material, surface protection | Anodized                                                                |
| Material contacts                    | 1. Switch position: Silver<br>2-8. Switch position: Silver, gold plated |
| Plunger material                     | 1-8. Switch position: 1.4034 stainless steel                            |

## Mechanical data

|                               |                                                              |
|-------------------------------|--------------------------------------------------------------|
| Approach direction            | longitudinal, parallel to attachment surface                 |
| Approach speed                | 1-8. Switch position: 40 m/min                               |
| Distance cam - reference edge | 1-8. Switch position: 4.50...5.00 mm                         |
| Flange, feed-through          | 2 threaded exit M25                                          |
| Installation                  | Vertical                                                     |
| Life expectancy mechanical    | 1-8. Switch position: 30 mil. switching operations           |
| Number of switching positions | 8x Chisel Mechanical                                         |
| Plunger style                 | 1-8th switch position: Chisel                                |
| Switch actuation force        | 1. Switch position: 15 N<br>2-8. Switch position: 20 N       |
| Switching element             | 1. Switch position: BSE 61<br>2-8. Switch position: BSE 30.0 |

Wiring Diagrams

BSE 61



BSE 30.0

