



1) Reference edge, 2) Sealing ring, 3) Function indicator FD/FE/LL, 4) Cable passage



Basic features

| | |
|----------------------------|----------------------------------|
| Approval/Conformity | CE CCC WEEE |
| Basic standard | IEC 60947-5-1 |
| DIN switch | DIN 43697 |
| Operating principle | 1-2. Switch position: Mechanical |
| Version | Snap contact |

Display/Operation

| | |
|---------------------------|-------------------------------------|
| Function indicator | 1-2. Switch position: FD - 6...60 V |
|---------------------------|-------------------------------------|

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 | Double-interrupting galvanically isolated One NO and one NC Dual changeover |
| Switching rate | 1-2. Switch position: 300/min |

Environmental conditions

| | |
|----------------------------|------------|
| Ambient temperature | -5...85 °C |
| Protection degree | IP67 |

Functional safety

| | |
|------------------------------|--|
| B10d (EN ISO 13849-1) | BSE 30.0: 30 mil. Switching operations |
|------------------------------|--|

Material

| | |
|---|--|
| Housing material | Aluminum, Anodized |
| Housing material, surface protection | Anodized |
| Material contacts | 1-2. Switch position: Silver, gold plated |
| Plunger material | 1-2. Switch position: Stainless steel (1.4034) |

Mechanical data

| | |
|--|---|
| Approach direction | longitudinal, parallel to attachment surface |
| Approach speed | 1-2. Switch position: 40 m/min |
| Dimension | 120 x 70 x 85 mm |
| Distance cam - reference edge | 1-2. Switch position: 4.50...5.00 mm |
| Flange, feed-through | 2 threaded exit M25 |
| Installation | Vertical |
| Life expectancy mechanical | 1-2. Switch position: 30 million Switching operations |
| Number of switching positions | 2x Chisel |
| Plunger spacing 1st switch position | 30 mm |
| Plunger style | 1-2nd switch position: Chisel |
| Switch actuation force | 1-2. Switch position: 20 N |
| Switching element | 1-2. Switch position: BSE 30.0 |

Range/Distance

Reproducibility
Switch position spacing

1-2. Switch position: ± 0.002 mm
16 mm

Wiring Diagrams

BSE 30.0

