



1) Reference edge



Basic features

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

Display/Operation

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|---------------------------|----------------------------|
| Function indicator | 1-2. Switch position: None |
|---------------------------|----------------------------|

Electrical connection

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|------------------------|--------------------------------------|
| Connection type | 1-2. Switch position: Screw terminal |
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Electrical data

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|--------------------------------------|---|
| 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

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

Functional safety

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

Material

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

Mechanical data

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|--|--|
| Approach direction | longitudinal, parallel to attachment surface |
| Approach speed | 1-2. Switch position: 60 m/min |
| Dimension | 79 x 60 x 63 mm |
| Distance cam - reference edge | 1-2. Switch position: 4.50...5.00 mm |
| Flange, feed-through | 1 threaded exit M20 |
| Installation | Vertical |
| Life expectancy mechanical | 1-2. Switch position: 30 mil. switching operations |
| Number of switching positions | 2x Roller Mechanical |
| Plunger spacing 1st switch position | 30 mm |
| Plunger style | 1-2nd switch position: Roller |
| 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: ± 0.01 mm
16 mm

Wiring Diagrams

BSE 30.0

