



1) Reference edge, 2) Function indicator FD/FE/LL



Basic features

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|----------------------------|----------------------------------|
| Approval/Conformity | CE 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: FD - 6...60 V |
|---------------------------|-------------------------------------|

Electrical connection

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

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 operations |
|------------------------------|--|

Material

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|---|--|
| 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

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|--|---|
| Approach direction | longitudinal, parallel to attachment surface |
| Approach speed | 1-2. Switch position: 60 m/min |
| Dimension | 79 x 48 x 85.5 mm |
| Distance cam - reference edge | 1-2. Switch position: 4.50...5.00 mm |
| Flange, feed-through | None |
| Installation | Vertical |
| Life expectancy mechanical | 1-2. Switch position: 30 million Switching operations |
| Number of switching positions | 2x Roller |
| Plunger spacing 1st switch position | 16 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

