

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



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 | Safety EN 60204-1 |

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

Electrical data

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|--|--------------------------------|
| Continuous current | 1-2. Switch position: 6 A |
| Rated operating voltage U_e | 1-2. Switch position: 250 V AC |
| 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 BSE 61: 30 mil. switching cycles |
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Material

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

Mechanical Cam Switches
BNS 813-B02-R12-61-A-10-01
Order Code: BNS02FN



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 36 x 63 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 mil. switching operations |

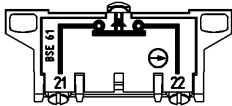
| | |
|--|--|
| Number of switching positions | 2x Roller Mechanical |
| Plunger spacing 1st switch position | 12 mm |
| Plunger style | 1-2nd switch position: Roller |
| Switch actuation force | 1. Switch position: 15 N 2. Switch position: 20 N |
| Switching element | 1. Switch position: BSE 61 2. Switch position: BSE 30.0 |

Range/Distance

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|--------------------------------|--------------------------------|
| Reproducibility | 1-2. Switch position: ±0.01 mm |
| Switch position spacing | 12 mm |

Wiring Diagrams

BSE 61



BSE 30.0

