

Miniature Circuit Breaker  
BKN-b



General

|                                     |                                          |
|-------------------------------------|------------------------------------------|
| Product Code                        | 06120435R0                               |
| Product Description                 | BKN-b 2P B10 NEW ROGY                    |
| [In] Rated current                  | 10A at 30°C conforming to EN/IEC 60898-1 |
| [Ue] rated operational voltage      | 415V                                     |
| Poles description                   | 2P                                       |
| Number of protected poles           | 2                                        |
| Network type                        | AC (50/60 Hz)                            |
| Type of trip                        | Thermal-magnetic                         |
| Neutral position                    | -                                        |
| Earth-leakage sensitivity           | -                                        |
| Residual current off-time           | -                                        |
| Earth-leakage protection time delay | -                                        |
| Earth-leakage protection class      | -                                        |

Characteristics

|                                   |                   |
|-----------------------------------|-------------------|
| Max. operating voltage<br>Ub max. | 440 V AC          |
| Min. operating voltage Ub<br>min. | 24 V AC - 24 V DC |

|                                                           |                                          |
|-----------------------------------------------------------|------------------------------------------|
| [Uimp] rated impulse withstand voltage                    | 4 kV                                     |
| [Ui] rated insulation voltage                             | 500 V                                    |
| Residual current tripping technology                      | -                                        |
| Rated breaking and making capacity                        | -                                        |
| Rated residual breaking and making capacity               | -                                        |
| [Inc] rated conditional short-circuit current             | -                                        |
| Contact position indicator                                | -                                        |
| Mechanical durability                                     | 10000 cycles                             |
| Electrical durability (AC)                                | 4000 cycles                              |
| Electrical durability (DC)                                | -                                        |
| Utilisation category                                      | -                                        |
| Suitability for isolation                                 | Yes                                      |
| Reference standard                                        | IEC 60898-1                              |
| [Icu] rated Ultimate short-circuit breaking capacity      | -                                        |
| [Icn] rated short-circuit breaking capacity(IEC/EN 60898) | 10 kA at 415 V AC 50/60 Hz, IEC 60898-1  |
| [Ics] rated service breaking capacity                     | 7.5 kA at 415 V AC 50/60 Hz, IEC 60898-1 |
| [Icw] rated short-time withstand current                  | -                                        |
| Thermomagnetic release characteristic(IEC/EN 60898)       | B Curve                                  |
| [Ii] Instantaneous pick-up adjustment range               | -                                        |

#### Environment

|                  |   |
|------------------|---|
| Pollution degree | 3 |
|------------------|---|

|                                       |                                                         |
|---------------------------------------|---------------------------------------------------------|
| Degree of protection                  | IP20, IEC 60529                                         |
| Ambient air temperature for operation | -25...55 °C                                             |
| Ambient air temperature for storage   | -40...70 °C                                             |
| Relative humidity                     | 95% at 55°C                                             |
| Mounting                              | on DIN rail EN 60715(35mm) by means of fast clip device |
| Mounting mode                         | Fixed                                                   |
| Terminal type                         | Dual type(Lug&Screw type)                               |
| Terminal size top/bottom for cable    | 25mm <sup>2</sup> /25mm <sup>2</sup>                    |
| Terminal size top/bottom for busbar   |                                                         |
| Tightening torque                     | 2.0 N                                                   |
| Approvals <sup>1)</sup> (General)     | CE (Europe)                                             |
|                                       | -                                                       |
|                                       | -                                                       |
|                                       | EAC (Russia)                                            |
|                                       | -                                                       |
|                                       | SNI (Indonesia)                                         |
|                                       | -                                                       |
|                                       | RCM(Australia)                                          |
| Approvals (Marine)                    | -                                                       |
|                                       | -                                                       |
|                                       | -                                                       |
|                                       | -                                                       |
|                                       | -                                                       |
|                                       | -                                                       |
|                                       | -                                                       |
|                                       | -                                                       |

1) LS ELECTRIC's standard products are designed for CE.

To check the product with regional certificates, please contact LSE sales representatives.

Dimensions

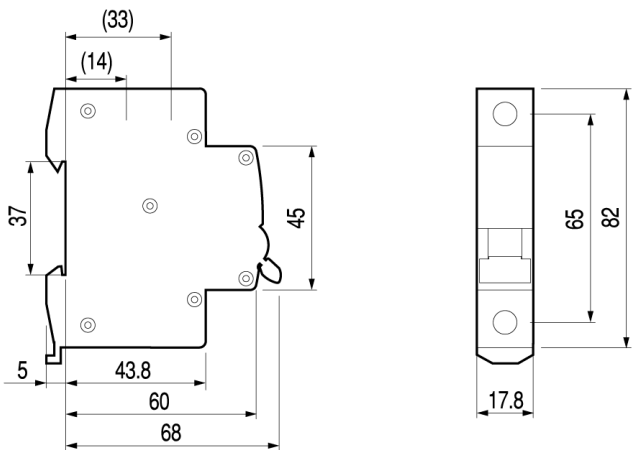
|               |                     |          |
|---------------|---------------------|----------|
| Product       | Width               | 35.2 mm  |
|               | Depth               | 68 mm    |
|               | Height              | 81 mm    |
|               | Weight              | 0.22 kg  |
| Inner Packing | Width               | 225 mm   |
|               | Depth               | 80 mm    |
|               | Height              | 88 mm    |
|               | Weight              | 1.4 kg   |
|               | Quantity (in a box) | 6 pcs.   |
| Outer Packing | Width               | 470 mm   |
|               | Depth               | 195 mm   |
|               | Height              | 230 mm   |
|               | Weight              | 15 kg    |
|               | Quantity (in a box) | 120 pcs. |

Combination with auxiliary elements

|                  |                                         |     |
|------------------|-----------------------------------------|-----|
| Combination with | Auxiliary elements                      | Yes |
| Combination with | Signal contact/auxiliary switch contact | Yes |
| Combination with | Shunt trip                              | Yes |
| Combination with | UVT/OVT release                         | Yes |

Overall dimensions<sup>2)</sup>

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2) Please multiple the number of poles when calculating the product width(W).