

Miniature Circuit Breaker  
BKN



General

|                                     |                                          |
|-------------------------------------|------------------------------------------|
| Product Code                        | 06120273R0                               |
| Product Description                 | BKN 2P B40 NEW ROGY                      |
| [In] Rated current                  | 40A at 30°C conforming to EN/IEC 60898-1 |
| [Ue] rated operational voltage      | 400V                                     |
| 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) | 6 kA at 400 V AC 50/60 Hz, IEC 60898-1 |
| [Ics] rated service breaking capacity                     | 6 kA at 400 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                         | Lug 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)                                             |
|                                       | -                                                       |
|                                       | CCC (China)                                             |
|                                       | 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

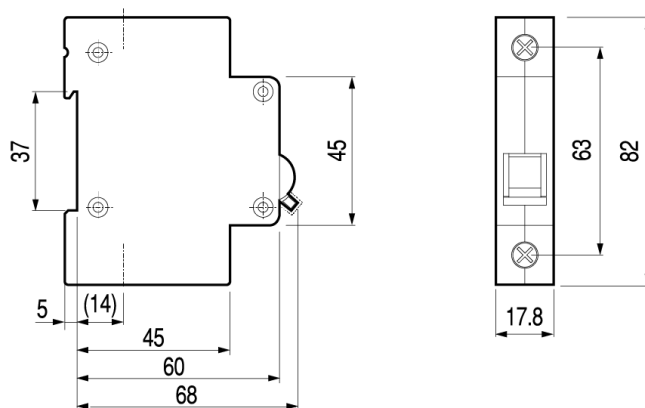
|               |                     |         |
|---------------|---------------------|---------|
| Product       | Width               | 35.6 mm |
|               | Depth               | 68 mm   |
|               | Height              | 81 mm   |
|               | Weight              | 0.20 kg |
| Inner Packing | Width               | 225 mm  |
|               | Depth               | 80 mm   |
|               | Height              | 88 mm   |
|               | Weight              | 1.25 kg |
|               | Quantity (in a box) | 6 pcs.  |
| Outer Packing | Width               | 470 mm  |
|               | Depth               | 195 mm  |
|               | Height              | 230 mm  |
|               | Weight              | 14 kg   |
|               | Quantity (in a box) | 60 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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<sup>2)</sup> Please multiple the number of poles when calculating the product width(W).