

## Miniature Circuit Breaker

### BKN-b



#### General

Product Code	06120448R0
Product Description	BKN-b 3P B10 NEW ROGY
[In] Rated current	10A at 30°C conforming to EN/IEC 60898-1
[Ue] rated operational voltage	415V
Poles description	3P
Number of protected poles	3
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 Ub max.	440 V AC
Min. operating voltage Ub 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
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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	52.8 mm
	Depth	68 mm
	Height	81 mm
	Weight	0.33 kg
Inner Packing	Width	225 mm
	Depth	80 mm
	Height	88 mm
	Weight	1.4 kg
	Quantity (in a box)	4 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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<sup>2)</sup> Please multiple the number of poles when calculating the product width(W).