Product Data Sheet Characteristics



Miniature Circuit Breaker

BKN

General

Product Code	06130077R0
Product Description	BKN 3P B50 NEW ROGY
[In] Rated current	50A at 30°C conforming to EN/IEC 60898-1
[Ue] rated operational voltage	400V
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)	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	25mm2/25mm2
Terminal size top/bottom for busbar	
Tightening torque	2.0 N
Approvals[1)] (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

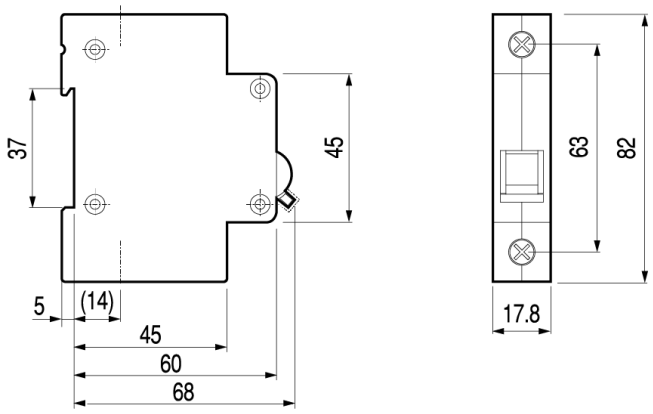
Product	Width	53.4 mm
	Depth	68 mm
	Height	81 mm
	Weight	0.30 kg
Inner Packing	Width	225 mm
	Depth	80 mm
	Height	88 mm
	Weight	1.25 kg
	Quantity (in a box)	4 pcs.
Outter Packing	Width	470 mm
	Depth	195 mm
	Height	230 mm
	Weight	14 kg
	Quantity (in a box)	40 pcs.

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[2)]

BKN



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