

# LLB1A-63 Series Miniature Circuit Breaker



LLB1A-63 1P

## Application

LLB1A-63 is applicable to a line of AC 50Hz/60Hz, 230V in single pole, 400V in double, three, four poles for protecting overload and short circuit, and rated current up to 63A. It can also be used for infrequent line conversion under the normal condition. The breaker is applicable to lighting distribution system in industrial enterprise, commercially district, high-rise building and dwelling house. It conforms with the standards of IEC60898.

## Main Technical Parameter

Type	LLB1A-63			
Pole	1P		2P,3P,4P	
Rated current (A)	6,10,16,20,25,32,40,50,63			
Rated voltage (V)	230		400	
Ambient temperature	-5°C ~ +40°C			
Type of instantaneous release	C	D	C	D
Rated short circuit breaking capacity (KA)	1-32A: 6 50-63A: 4	4	1-32A: 6 50-63A: 4	4



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## Applicable conducting wire

Rated current (A)	Nominal cross section of wire mm <sup>2</sup>
1-6A	1
10A	1.5
16,20A	2.5
25A	4
32A	6
40,50A	10
63A	16

## The over-current protection property

Ambient Temperature	Initial Status	Test Current	Expected Result	Expected Result	Note
30±2°C	Cold position	1.13I <sub>n</sub>	t ≥ 1h	Non-release	-
	Carried out immediately after previous test	1.45I <sub>n</sub>	t < 1h	Release	-
	Cold position	2.55I <sub>n</sub>	1s < t < 60s (I <sub>n</sub> ≤ 32A)	Release	Current smoothly rises to specified value with 5s
	Cold position	2.55I <sub>n</sub>	1s < t < 120s (I <sub>n</sub> > 32A)	Release	
-5°C ~ +40°C	Cold position	3I <sub>n</sub>	t ≥ 0.1s	Non-release	Type B
	Cold position	5I <sub>n</sub>	t < 0.1s	Release	Type B
	Cold position	5I <sub>n</sub>	T ≥ 0.1s	Non-release	Type C
	Cold position	10I <sub>n</sub>	t < 0.1s	Release	Type C
	Cold position	10I <sub>n</sub>	t ≥ 0.1s	Non-release	Type D
	Cold position	20I <sub>n</sub>	t < 0.1s	Release	Type D



LLB1A-63 3P

## Dimension



LLB1A-63 4P

