

KBKN-63 Series Miniature Circuit Breaker

Application

KBKN-63 miniature circuit breaker 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		KBKN-63				
Pole		1P		2P,3P,4P		
Rated current (A)		6,10,16,20,25,32,40,50,63				
Rated voltage (V)		230		400		
Type of instantaneous release		C	D	C	D	
Rated short circuit breaking capacity Icn (KA)		1-40A: 6 50-63A: 4.5	4.5	1-40A: 6 50-63A: 4.5	4.5	
Life (times)	1-32A	Electric life				4000
		Mechanical life				6000
		Operation frequency				240 times per hour
	40-63A	Electric life				4000
		Mechanical life				6000
		Operation frequency				120 times per hour

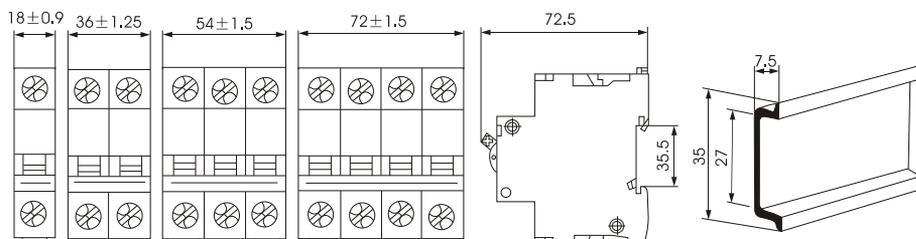
Applicable conducting wire

Rated current (A)	Nominal cross section of wire mm ²
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℃	Cold position	1.13In	t≥1h	Non-release	-
	Carried out immediately after previous test	1.45In	t<1h	Release	-
	Cold position	2.55In	1s<t<60s (In≤32A)	Release	Current smoothly rises to
	Cold position	2.55In	1s<t<120s (In>32A)	Release	specified value with 5s
-5℃~+40℃	Cold position	3In	t≥0.1s	Non-release	Type B
	Cold position	5In	t<0.1s	Release	Type B
	Cold position	5In	t≥0.1s	Non-release	Type C
	Cold position	10In	t<0.1s	Release	Type C
	Cold position	10In	t≥0.1s	Non-release	Type D
Cold position	20In	t<0.1s	Release	Type D	

Dimension



KBKN-63 1P



KBKN-63 2P



KBKN-63 3P



KBKN-63 4P