



JXB1L-63 Series

Residual Current Circuit Breaker
With Over Current Protection



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JXB1L-63 Series



1P+N

Main Technical Parameter

- Main technical parameter (see table 1)
- Time-current character (see table 2)
- Residual current protection character
 - Rated residual operating current $I_{\Delta n}$:30mA,50mA,100mA, 300mA
 - Rated residual non-operating current $I_{\Delta no}$:15mA,25mA,50mA,150mA
 - Rated residual making and breaking capability $I_{\Delta m}$:2000A
 - Residual current breaking time(see table 3)
- Mechanical/ Electric lifetime (times)
 - Electric lifetime:2000; ○ Mechanical life:4000
- Nominal cross-section of wire (see table 4)
- Standard:IEC 61009-1

Table 1

Frame rated current I_{nm} A	Rated current I_n A	Rated voltage V	Breaking capacity of rated short-circuit		Instantaneous release type
			$I_{cs}(A)$	$COS\Phi$	
63	6,10,16,20,25,32,40,50,63	230	6000	0.65-0.70	C

Table 2

Ambient temperature	Initial status	Test current	Test time	Expected result	Note
$30\pm 2^{\circ}C$	Cold position	$1.13I_n$	$t \geq 1h$	Non-release	-
	Carried out immediately after previous test	$1.45I_n$	$t < 1h$	Release	-
	Cold position	$2.55I_n$	$1s < t < 60s$ ($I_n \leq 32A$)	Release	Current smoothly rises to specified value within 5s
	Cold position	$2.55I_n$	$1s < t < 120s$ ($I_n > 32A$)	Release	
$-5\sim +40^{\circ}C$	Cold position	$3I_n$	$t \leq 0.1s$	Non-release	Type B
	Cold position	$5I_n$	$t < 0.1s$	Release	Type B
	Cold position	$5I_n$	$t \geq 0.1s$	Non-release	Type C
	Cold position	$10I_n$	$t < 0.1s$	Release	Type C
	Cold position	$10I_n$	$t \geq 0.1s$	Non-release	Type D
	Cold position	$20I_n$	$t < 0.1s$	Release	Type D

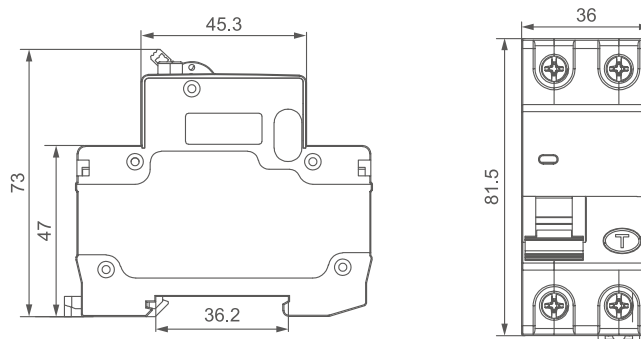
Table 3

$I_n(A)$	$I_{\Delta n}(A)$	The breaking time(s) when residual current is at the following corresponding value		
		$I_{\Delta n}$	$2I_{\Delta n}$	$5I_{\Delta n}$
6-63	0.03	0.3	0.15	0.04

Table 4

Rated current $I_n(A)$	$I_n \leq 6$	$6 < I_n \leq 6$	$13 < I_n \leq 20$	$20 < I_n \leq 25$	$25 < I_n \leq 32$	$32 < I_n \leq 50$	$I_n=63$
Nominal cross-section of wire(mm^2)	1	1.5	2.5	4	6	10	16

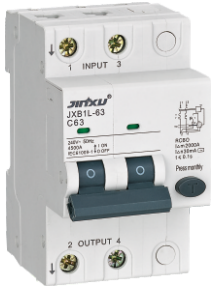
Outline & Installation Dimension



JXB1L-63 Series(extended type)



1P+N



2P



3P



3P+N



4P

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 - Rated residual making and breaking capability $I_{\Delta m}$:2000A
 - Residual current breaking time(see table 3)
- Mechanical/ Electric lifetime (times)
 - Electric lifetime:2000; Mechanical life:4000
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Ambient temperature	Initial status	Test current	Test time	Expected result	Note
30±2°C	Cold position	1.13I _n	t ≥ 1h	Non-release	-
	Carried out immediately after previous test	1.45I _n	t<1h	Release	-
	Cold position	2.55I _n	1s<t<60s (I _n ≤ 32A)	Release	Current smoothly rises to specified value within 5s
-5~+40°C	Cold position	2.55I _n	1s<t<120s (I _n >32A)	Release	
	Cold position	3I _n	t ≤ 0.1s	Non-release	Type B
	Cold position	5I _n	t<0.1s	Release	Type B
	Cold position	5I _n	t ≥ 0.1s	Non-release	Type C
	Cold position	10I _n	t<0.1s	Release	Type C
	Cold position	10I _n	t ≥ 0.1s	Non-release	Type D
	Cold position	20I _n	t<0.1s	Release	Type D

Table 3

I _n (A)	I _{Δn} (A)	The breaking time(s) when residual current is at the following corresponding value		
		I _{Δn}	2I _{Δn}	5I _{Δn}
6-63	0.03	0.3	0.15	0.04

Table 4

Rated current I _n (A)	I _n ≤ 6	6 < I _n ≤ 6	13 < I _n ≤ 20	20 < I _n ≤ 25	25 < I _n ≤ 32	32 < I _n ≤ 50	I _n =63
Nominal cross-section of wire(mm ²)	1	1.5	2.5	4	6	10	16

Outline & Installation Dimension

