

# JVL66-63 Residual Current Circuit Breaker

Standard: GB16916.1 IEC61008 



## Construction and Feature

- Detecting element and tripping element of product are set between the incoming terminal and outgoing terminal
- Operating characteristic of product cannot be changed by external mechanical device
- Operating mechanism has free tripping function
- The operating parts can not be taken off from the outside of shell, the product shell should not affect normal work of operating mechanism, the parts group instead of contact pressure should guarantee that the contact pressure of product will not change during running.
- Earthing fault, leakage and isolation protection functions
- High rated ultimate short-circuit breaking capacity
- Lifting type terminal may be connected to the conductor of bus bar.
- There is color signal indication window for indicating the contact position state.
- The enclosure and part is made of flame-resistance, high temperature-resistance and impact-resistance engineering plastic.
- The operating mechanism has the free tripping function.

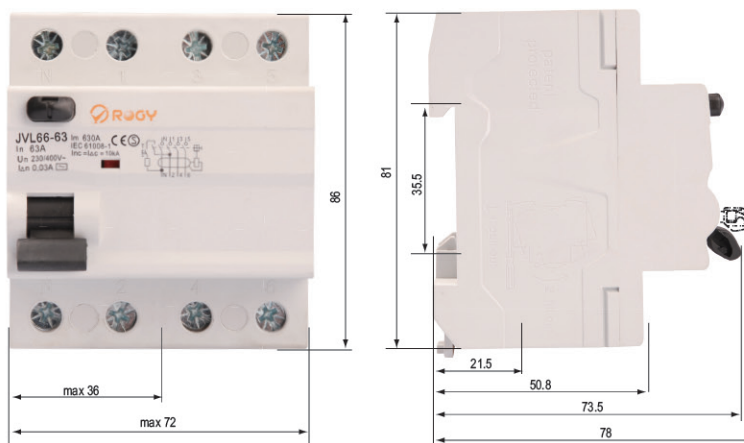
## Technical Data

- Model: JVL66-63
- Pole No.: 1P+N, 3P+N
- Rated current(A): 25, 32, 40, 63A
- Rated working voltage( $I\Delta n$ ): 30, 100, 300, 500mA
- Rated voltage(V): AC 230(240)/400(415)
- Rated frequency(Hz): 50/60
- Rated making and breaking capacity: 500( $I_n=25A, 32, 40A$ ), 630( $I_n=63A$ )
- Rated conditional short-circuit current  $I_{nc}$ : 6kA
- Rated conditional residual short-circuit Current  $I\Delta c$ : 6kA
- Rated residual non operating current  $I\Delta no$ :  $0.5I\Delta n$
- Residual operating current range:  $0.5I\Delta n \sim I\Delta n$
- Operating time:  $\leq 0.3s$
- Type: A and AC type
- Rated short-circuit breaking capacity: 6KA
- Mechanical life: Not less than 4000 times
- Degree of protection: IP20
- Classification of specification
- According to rated current( $I_n$ ), it is divided into 25A, 40A and 63A.
- According to rated operating current( $I\Delta n$ ), it is divided into 30A, 100A and 300mA.
- According to the pole, it is divided into:
  - Two-pole residual current operated circuit breaker (1P+N)
  - Four-pole residual current operated circuit breaker(3P+N)
- According to the residual current, it is divided into type A and type AC.
- According to the relation between operation function and line voltage, it is divided into electromagnetic type and electronic type.

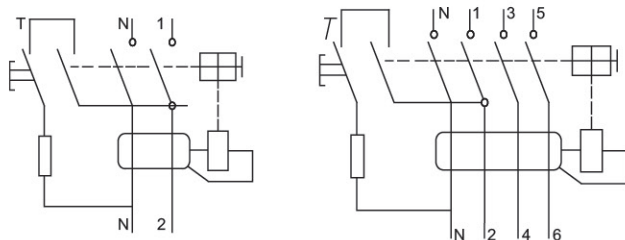
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## Overall & Installation Dimensions



## Wiring Diagram



## Residual Current Action Breaking Time

type	In/A	I $\Delta$ n/A	Residual Current (I $\Delta$ ) Is Corresponding To The Following Breaking Time (S)				
			I $\Delta$ n	2 I $\Delta$ n	5 I $\Delta$ n	5A, 10A, 20A, 50A, 100A, 200A, 500A	
general type	any value	any value	0.3	0.15	0.04	0.04	Max Break-time
S type	$\geq 25$	$> 0.03$	0.5	0.2	0.15	0.15	Max Break-time
			0.13	0.06	0.05	0.04	Min non-driving time

The general type RCBO whose current I $\Delta$ n is 0.03mA or less can use 0.25A instead of 5I $\Delta$ n.

