JVL16-63 Residual Current Circuit Breaker

Standard: IEC 61008 CB CE RoHS

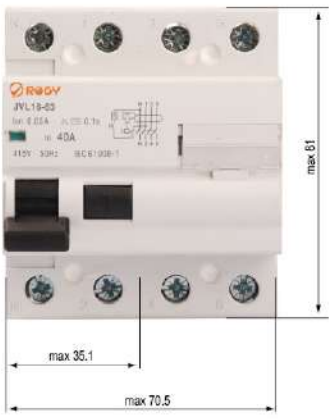
Construction and feature

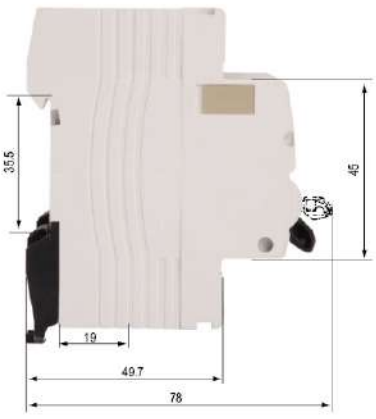
- Elegant appearance; cover and handle in arc shape make comfortable operation.
- Contact position indicating window
- Transparent cover designed to carry label.
- In case of overload to protected circuit, RCCB handle trips and stays at central position, which enables a quick solution to the faulty line. The handle cannot stay in such position when operated manually.
- Provides protection against earth fault/leakage current and function of isolation.
- High short-circuit current withstand capacity
- Applicable to terminal and pin/fork type busbar connection
- Equipped with finger protected connection terminals
- Fire resistant plastic parts endures abnormal heating and strong impact
- Automatically disconnect the circuit when earth fault/leakage current occurs and exceeds the rated sensitivity.
- Independent of power supply and line voltage, and free from external interference, voltage fluctuation.

Technical data

- Mode: electro-magnetic type
- Residual current characteristics: A, AC,G,S
- Pole No.: 2, 4
- Rated making and breaking capacity: 500A(In=25A,40A) or 630A(In=63A)
- Rated current(A): 25, 40, 63
- Rated voltage: AC 230(240)/400(415)
- Rated frequency: 50/60Hz
- Rated residual operating current I△n(A):0.03, 0.1, 0.3, 0.5
- Rated residual non operating current I△no: 0.5I△n
- Rated conditional short-circuit current Inc: 10kA
- Rated conditional residual short-circuit Current I△c: 10kA
- Residual tripping current range: 0.5I△n~I△n
- Terminal Connection Height: 19mm
- Electro-mechanical endurance: 4000 cycles
- Connection capacity: Rigid conductor 25mm²
- □ Connection terminal:Screw terminal
- □ Pillar terminal with clamp
- Fastening torque: 2.0Nm
- Installation:
- □ On symmetrical DIN rail 35mm
- □ Panel mounting
- Protection class:IP20

Overall & installation dimensions





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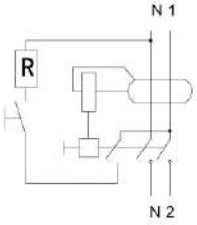
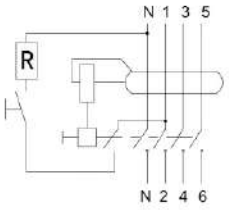
Wiring diagram





Residual current action breaking time

type	In/A	I△n/A	Residual Current (I△) Is Corresponding To The Following Breaking Time (S)				
			I△n	2 I△n	5 I△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	⩾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
G type	any value	any value	0.5	0.2	0.15	0.15	Max Break-time
			0.01	0.01	0.01	0.01	Min Non-driving time

The general type RCBO whose current IΔn is 0.03mA or less can use 0.25A instead of 5IΔn.

Residual Current Operated Circuit Breaker Tripping Current Range

Type	Tripping current IΔ/A		
AC	0.5IΔn<IΔ<IΔn		
A	Lagging Angle	IΔn>0.01A	IΔn⩽0.011A
	0°	0.35IΔn⩽IΔ⩽1.4IΔn	0.35IΔn⩽IΔ⩽2IΔn
	90°	0.25IΔn⩽IΔ⩽1.4IΔn	0.25IΔn⩽IΔ⩽2IΔn
	135°	0.11IΔn⩽IΔ⩽1.4IΔn	0.11IΔn⩽IΔ⩽2IΔn