Ev31-125 2P

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 protect 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.

Ev31-125 4P

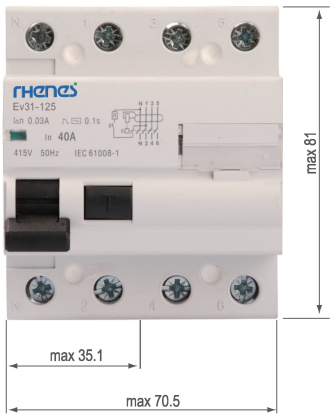
Technical Data

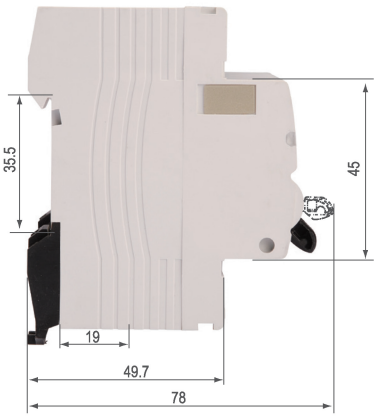
- Mode: electro-magnetic type & electronic type(≤30mA)
- Residual current characteristics: A, AC,G,S, B
- Pole No.: 2, 4
- Rated making and breaking capacity: 500A(In=25A,40A) or 630A(In=63A)
- Rated current(A): 25, 40, 63, 80,100,125
- Rated voltage: AC 230(240)/400(415)
- Rated frequency: 50/60Hz
- Rated residual operating current I△n(A): 0.01, 0.03, 0.1, 0.3, 0.5
- Rated residual non operating current I△no: 0.5I△n
- Rated conditional short-circuit current Inc: 6kA, 10kA
- Rated conditional residual short-circuit Current I△c: 6kA, 10kA
- Residual tripping current range: 0.5I△n~I△n
- Terminal Connection Height: 19mm
- Electro-mechanical endurance: 4000 cycles
- Connection capacity: Rigid conductor 25mm^2
  Connection terminal:Screw terminal
  Pillar terminal with clamp
- Fastening torque: 2.0Nm
- Installation:
  On symmetrical DIN rail 35mm
  Panel mounting
- Protection class: IP20

Ev51-63 2P

Ev51-63 4P

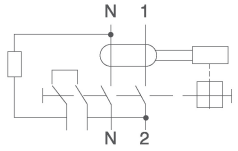
Overall & Installation Dimensions

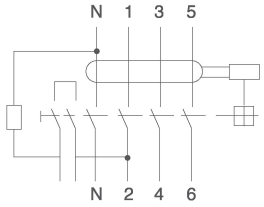




Terminal Electronic Series

Wiring Diagram





Residual Current Action Breaking Time

Type	In/A	I Δ n/A	Residual Current (I Δ) Is Corresponding To The Following Breaking Time (S)				
			I Δ n	2 I Δ n	5 I Δ 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

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≤0.01A
	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

The Frequency is different from the 50/60Hz(B type)

Frequency(Hz)	Residual non operating current	Residual operating current
150	0.5IΔn	2.4IΔn
400	0.5IΔn	6IΔn
1000	IΔn	14IΔn