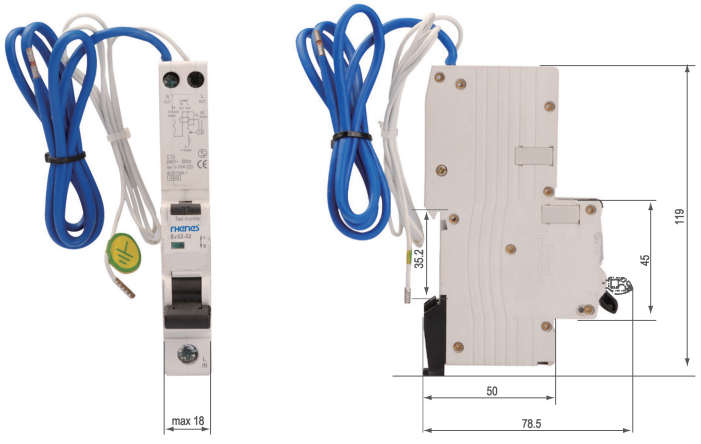
Construction and Feature

- 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, RCBO 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.
- RCBO handle can be locked either at "ON" position or at "OFF" position to prevent unwanted operation of the product.
- Provides protection against earth fault/leakage current, short-circuit and overload
- High short-circuit capacity
- Provides complementary protection against direct contact by human body.
- Effectively protects electric equipment against insulating failure
- Contact position indication
- Provides protection against over-voltage

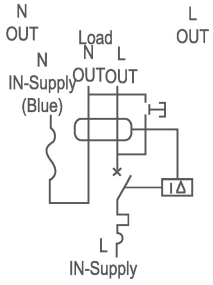
Technical Data

- Type: electronic type
- Residual current characteristics: A,AC
- Pole No.: 1P+N
- Tripping curve: B, C, D
- Rated short-circuit capacity: 10kA
- Rated current (A): 1, 2, 3, 4, 6, 10, 16, 20, 25, 32
- Rated voltage: 230V AC
- Rated frequency: 50/60Hz
- Rated residual operating current(mA): 0.03, 0.1, 0.3
- Tripping duration: Instantaneous＜0.1s
- Terminal Connection Height:
  H1=19mm H2=22mm H3=18mm
- Electro-mechanical endurance: 4000 cycles
- Connection terminal: pillar terminal with clamp
- Connection capacity:
  Rigid conductor 10mm^2
- Installation:
  On symmetrical DIN rail 35mm
  Panel mounting

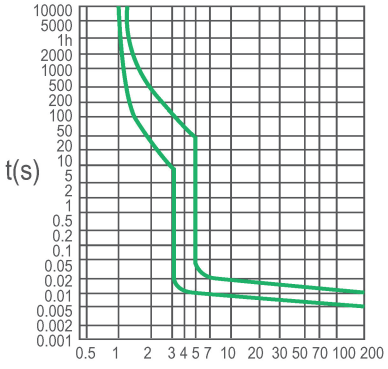
Overall & Installation Dimensions



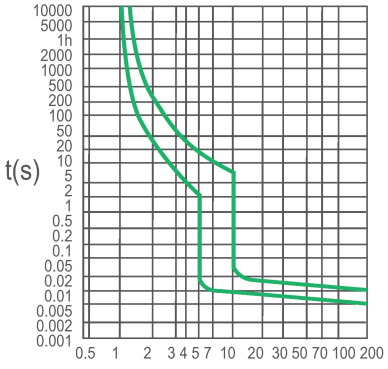
Wiring Diagram



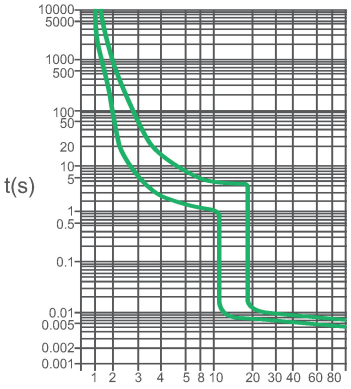
Characteristic Curve



I/In B curve



I/In C curve



I/In D curve

Overload Current Protection Characteristics

Test Procedure	Type	Test Current	Initial State	Tripping or Non-tripping Time Limit	Expected Result	Remark
A	B, C, D	1.13In	cold	t≤1h	no tripping	
B	B, C, D	1.45In	after test a	t<1h	tripping	Current in the 5 s in the increase of stability
C	B, C, D	2.55In	cold	1s<t<60s	tripping	
D	B	3In	cold	t≥0.1s	no tripping	Turn on the auxiliary switch to close the current
	C	5In				
	D	10In				
E	B	5In	cold	t<0.1s	tripping	Turn on the auxiliary switch to close the current
	C	10In				
	D	50In				

The terminology “cold state” refes to that no load is carried before testing at the reference setting temperature.

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	I△t	
General type	any value	any value	0.3	0.15	0.04	0.04	0.04	Max Break-time

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

Residual Current Operated Circuit Breaker Tripping Current Range

Tripping current IΔ/A		
0.5IΔn<IΔ<IΔn		
Lagging Angle	IΔn>0.01A	IΔn≤0.01A
0°	0.35IΔn	1.4IΔn
90°	0.25IΔn	
135°	0.11IΔn	