

Construction and Feature

- ◆ Provides protection against earth fault/leakage current, short-circuit, overload, and function of isolation
- Provides complementary protection against direct contact by human body
- ◆ Effectively protects electric equipment against insulating failure
- Provides comprehensive protection to household and commercial distribution systems

Technical Data

- ◆ Type: Electro-magnetic type
- ♠ Residual current characteristics: AC A
- ♦ 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, 40 ♦ Installation:
- ◆ Rated voltage: 240V AC
- ◆ Rated frequency: 50/60Hz
- ◆ Rated residual operating current(mA): 0.03, 0.1, 0.3
- ◆ Tripping duration: Instantaneous ≤0.1s

- ◆ Electro-mechanical endurance: 4000 cycles
- ◆ Connection terminal: pillar terminal with clamp
- Connection capacity: Rigid conductor 16mm² Terminal connection height: 21.5mm

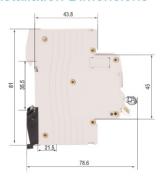
On symmetrical DIN rail 35mm

Panel mounting

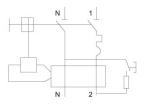
Wiring Diagram

Overall & Installation Dimensions





Wiring Diagram



Overload Current Protection Characteristics

Test Procedure	Туре	Test Current	Initial State	Tripping or Non-tripping Time Limit Expected Result		Remark
а	B, C, D	1.13ln	cold	t≥1h	no tripping	
b	B, C, D	1.45ln	after test a	after test a t < 1h tripping		Current in the 5s in the increase of stability
С	B, C, D	2.55ln	cold	1s <t<60s< td=""><td colspan="2">s < t < 60s tripping</td></t<60s<>	s < t < 60s tripping	
d	В	3ln		t≥0.1s	no tripping	Turn on the auxiliary switch to close the current
	С	5ln	cold			
	D	10ln				
е	В	5ln		t<0.1s	tripping	Turn on the auxiliary switch to close the current
	С	10ln	cold			
	D	20ln				

The terminology "cold state" refers 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)							
AC type	any value	any value	In	2ln	5In	5A,10A, 20A, 50A, 100A, 200A, 500A				
A type	any value	>0.01	1.4In	2.8In	7In					
			0.3	0.15	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.