

H0232-63/H0234-40 10kA

Residual Current Circuit Breaker With Overcurrent Protection (RCBO)

Overview

It is electro-mechanical in nature. The highlight here is that:

- It can be wired in either direction.
- It is accord with IEC 61009-2-1 (mains voltage independent RCBO), it is with electro-mechanical release that works safely even without supply voltage or line voltage lower than 50V.
- Type-a: protects against special forms of residual pulsating dc which have not been smoothed.
- 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.
- High breaking capacity up to 10kA. More secure.



Technical Data

ITEMS	DATA
Type	Electro-magnetic type
Residual current characteristics	AC, A F, B
Pole No.	1P+N, 3P+N
Rated short-circuit capacity	10000A
Rated current (A)	1P+N: 6, 10, 16, 20, 25, 32, 40, 50, 60A; 3P+N: 6, 10, 16, 20, 25, 32, 40A
Rated voltage	240V/415V AC
Rated frequency	50/60Hz
Rated residual operating current(mA)	10, 30, 100, 300
Tripping duration	Instantaneous 0.1s
Tripping characteristics	B C D
Rated short-circuit breaking capacity	10000A
Rated impulse withstand voltage	Uimp 4kV(1.2/50μs)
Endurance	
Electrical components	≥ 4,000 operating cycles
Mechanical components	≥ 1,0000 operating cycles
Connection terminal	Pillar terminal with clamp
Frame size	45 mm
Device height	80 mm
Device width	35 mm (2MU)
Mounting	3-position DIN rail clip, permits removal from existing busbar system
Degree of protection switch	IP20
Degree of protection, built-in	IP40
Upper and lower terminals	Open mouthed/lift terminals
Terminal protection	Finger and hand touch safe, DGUV VS3, EN 50274
Terminal capacity	1-25 mm ²
Terminal torque	2-2.4 Nm
Busbar thickness	0.8-2 mm
Operation temperature	-25°C to+ 40°C
Storage-and transport temperature	-35°C to+ 60°C
Resistance to climatic conditions	Acc. to IEC 68-2 (25..55°C /90..95% RH)

Residual Current Devices-General Data

Short description of the most important RCD types:

Symbol Description

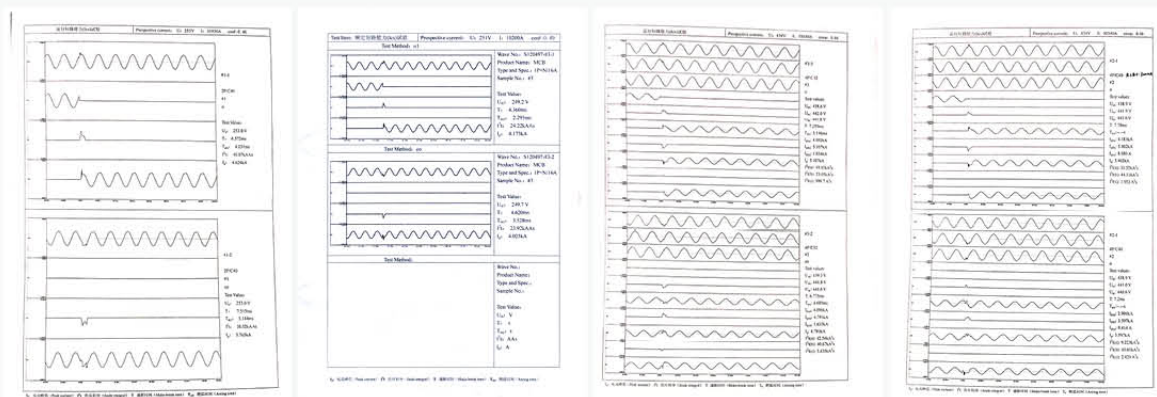
Type AC: AC current sensitive RCCB

Type A: AC and pulsating DC current sensitive RCCB

Trip also at frequency composition(10 Hz, 50 Hz, 1000 Hz) Type F: including TypeAC, TypeA

Type B: All-current sensitive RCD switchgear for applications where DC fault currents may occur. Non-selective non-delayed. Protection against all kinds of fault currents.

10ka breaking capacity test reports



Dimensions (mm)

