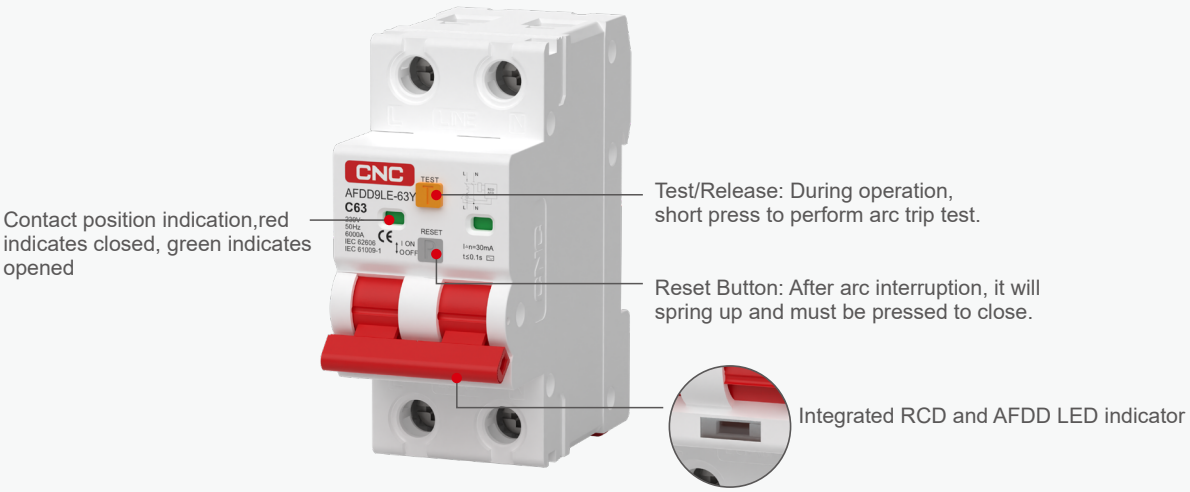
Final Distribution

AFDD9LE-63Y Arc Fault Detection Device



General

The AFDD9LE-63Y series Arc Fault Detection Device are assembled by residual current circuit breakers (RCBO) and arc detection modules. The AFDD9LE-63Y Arc Fault Detection Device possess the functions of short-circuit protection, overload protection, residual current protection and arc-fault protection. They are suitable for being installed in branch circuits and can quickly cut off the circuits to play a protective role when overcurrent, short-circuit, leakage or arc-fault occurs in the branch circuits.

T key: Test key --- multi-function key

- Green light status: running status
  Press the “T key” and release it quickly(ote that it is the release trigger) to test the breaking functionof the AFDD protector.
- Red light flashing state: arc fault alarm stat
  Pressing the “T key” will immediately cancel the alarm.

Set AFD detection mode:

When the green light is on, keep pressing the “T key” for about 3 seconds, the green light will go out, and it means enteringthe setting state. Press the “T key” again, the green light will fash to indicate the current working mode, and each presswill switch once!
There are four working modes:

- Flash once: Anti-interference mode
- Flashes twice: low sensitivity
- Flashes three times: standard mode
- Flashes four times: Enhanced mode (not a dedicated scenario, not recommended)

The switch wil take efect immediately, Wait for 10 seconds to automatically exit the setting state, or you can long press the”T key” to exitimmediately.

Type designation

AFDD 9 LE - 63Y

- 63Y — Frame size rated current
- LE — Electronic RCBO
- 9 — Design number
- AFDD — Arc Fault Detection Device

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Maximum Protection

AFDD9LE-63Y offers maximum protection against


Series arc faults


Earth arc faults


Short circuits


Parallel arc faults


Earth leakage faults


Overload

Technical data

Content	Technical data
Rated voltage Ue,V	AC230/240
Approvals	CE
Rated frequency,Hz	50
Rated insulation voltage Ui , V	500
Rated impulse withstand voltage Uimp,V	4000
Rated current In, A	6, 10, 16, 20, 25, 32, 40, 50, 63
Number of poles	1P+N (N-pole disconnectable)
Instantaneous tripping type	B, C
Sensitivity I∆n, mA	10,30, 100
type of RCBO	AC, A
Rated short circuit breaking capacity Icn ,A	6000
Mechanical and electrical endurance,cycles	4000
Protection degree	IP20
Ambient temperature,°C	-25~+40
Standards	IEC 62606, IEC61009-1
RCD tripping type	Electronic

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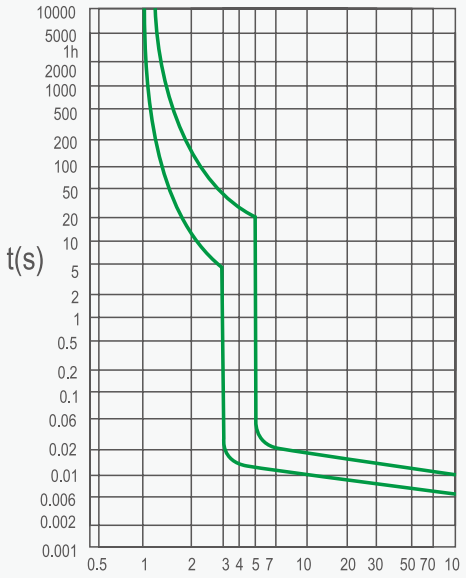
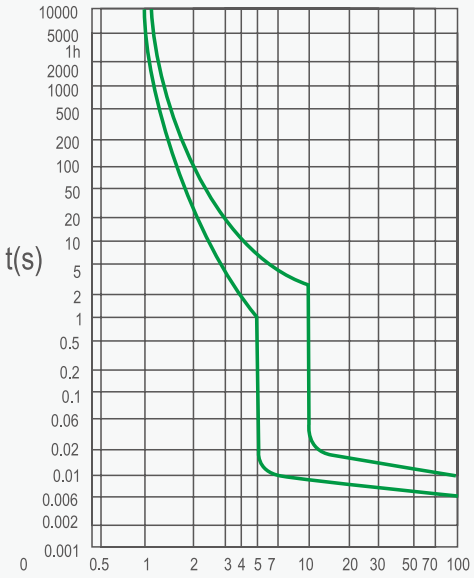
Tripping curves



I/In
B curve



I/In
C curve

Overall and mounting dimensions(mm)