

AFDD7LE-63 2P Arc Fault Detection Device (AFDD+RCBO) CE

Model and Meaning



AFDD 7 LE - 63

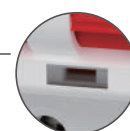
- Frame size rated current
- RCBO
- Design No.
- Arc Fault Detection Device

Contact position indication, red indicates closed, green indicates opened



Test/Release: During operation, short press to perform arc trip test.

Reset Button: After arc interruption, it will spring up and must be pressed to close.



Integrated RCD and AFDD LED indicator

General

The AFDD7LE-63 series Arc Fault Detection Device are assembled by residual current circuit breakers (RCBO) and arc detection modules. The AFDD7LE-63 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 AFDD7LE-63 Arc Fault Detection Device (AFDD+RCBO) 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 (note that it is the release trigger) to test the breaking function of the AFDD protector.
- Red light flashing state: arc fault alarm state
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 entering the setting state.

Press the "T key" again, the green light will flash to indicate the current working mode, and each press will switch once!

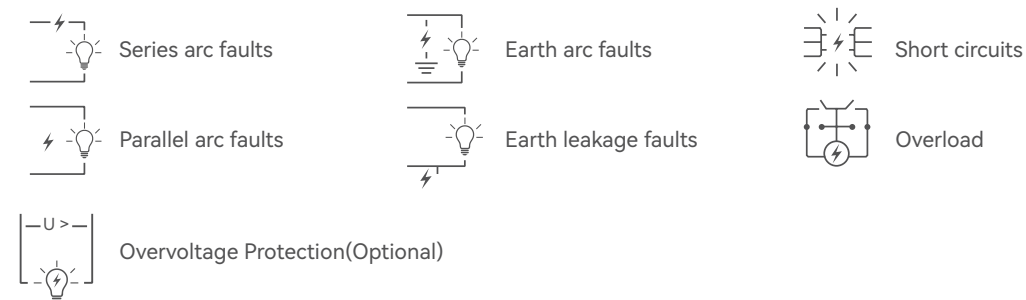
There are four working modes:

- 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 will take effect immediately. Wait for 10 seconds to automatically exit the setting state, or you can long press the "T key" to exit immediately.

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Maximum Protection

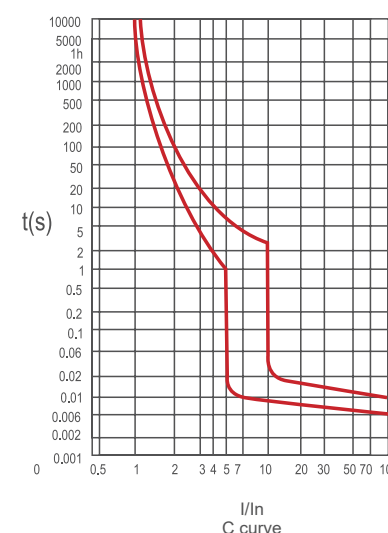
AFDD7LE-63 offers maximum protection against



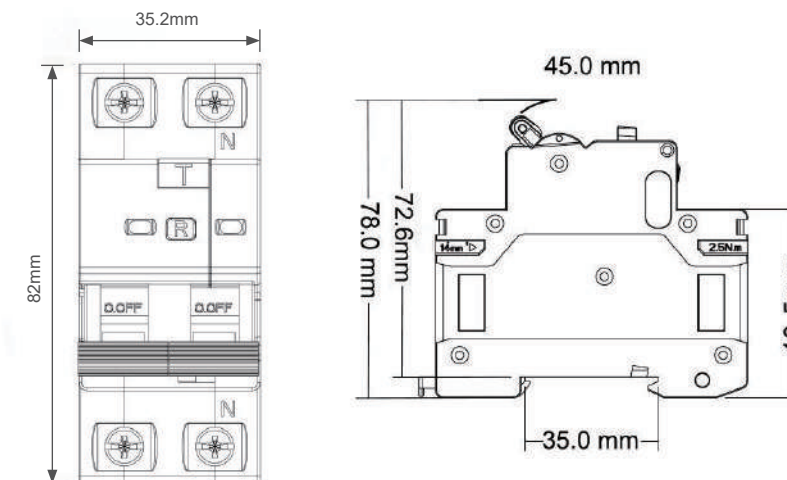
Technical Data

Content	Technical data
Rated voltage Ue,V	AC230/240
Approvals	CE
Rated frequency,Hz	50/60
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	2P(N-pole disconnectable)
Instantaneous tripping type	C
Sensitivity IΔn, mA	10,30,100,300
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

Tripping Curves



Overall and Mounting Dimensions (mm)



AFDD7LE-63 3P+N Arc Fault Detection Device (AFDD+RCBO)



Model and Meaning



AFDD 7 LE - 63

- Frame size rated current
- RCBO
- Design No.
- Arc Fault Detection Device

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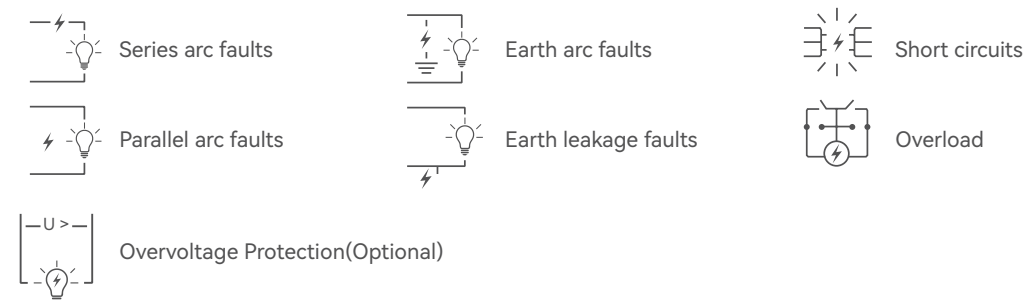
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Maximum Protection

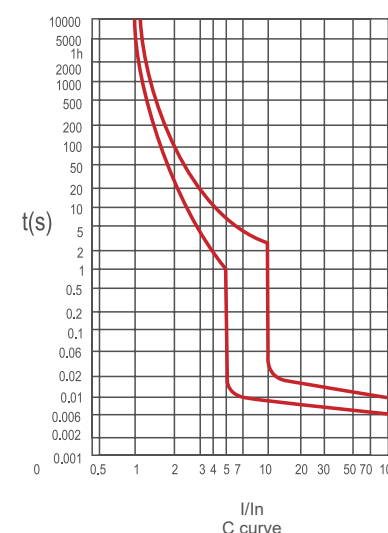
AFDD7LE-63 offers maximum protection against



Technical Data

Content	Technical data
Rated voltage Ue,V	AC400/415
Approvals	CE
Rated frequency,Hz	50/60
Rated insulation voltage Ui ,V	250(to earth) /500 (phase to phase)
Rated impulse withstand voltage Uimp,V	4000
Rated current In, A	6,10,16,20,25,32,40,50,63
Number of poles	3P+N(N-pole straight through)
Instantaneous tripping type	C
Sensitivity IΔn, mA	10,30,100,300
type of RCBO	AC,A
Rated short circuit breaking capacity Icn ,A	6000
Mechanical and electrical endurance,cycles	10000
Protection degree	IP20
Ambient temperature,°C	-25~+40
Standards	IEC 62606,IEC61009-1
RCD tripping type	Electronic

Tripping Curves



Overall and Mounting Dimensions (mm)

