

Arc Fault Protective

AFDD Arc Fault Protective

Scope of application

ADDF-32 incorporating MCB and arc fault detection module, provides protection against short circuit, overload, leakage current and arc fault. Arc fault module detects arc fault, which enables the product effectively disconnect the protected circuit.



Application

ADDF-32 is suitable for AC circuits rated up to 32A and is widely used in household and similar equipment. The arc fault detection module of ADDF-32 can effectively detect and identify arc faults that occur on different circuits in series, parallel and grounding, due to insulation failure because of aging, damage or high humidity. When an arc fault is detected, the product trips and cuts off the protected circuit.

Technical Parameter

Rated voltage	Rated frequency	Rated Insulation voltage (Ui)	Rated impulse withstand voltage (Uimp)	Rated current (In)
AC230V	50Hz±2%	400V	4KV	6A、10A、16A、20A、25A、32A
Magnetic trip classification	Rated working short circuit capacity (Ics)	Rated short circuit capacity (Icn)	Insulation material classification	Grid length (mm)
B、C	6KA	6KA	IIIa	40

Classification

Classification by rated current	6A、10A、16A、20A、25A、32A	Classification by magnetic trip	B和C
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Normal Operating Conditions

The ambient temperature is 5°C or +40°C, and the daily average maximum temperature is +35°C.
Relative humidity: 50% maximum at 40°C, 90% maximum at 20°C

Arc Fault Protective

AFDD2 Arc Fault Protective

Scope of application

ADDF2-40 series arc fault protector protects the line from overload and short circuit, and also acts as indirect contact protection and direct contact backup protection for people. The arc fault protection unit of the protector can detect and identify the series arc fault in the line, Parallel arc fault and ground arc fault.



Technical Parameter

Rated voltage	Rated frequency	Rated Insulation voltage (Ui)	Rated impulse withstand voltage (Uimp)	Rated current (In)
AC230V	50Hz±2%	400V	4KV	6A, 10A, 16A, 20A, 25A, 32A, 40A
Magnetic trip classification	Rated working short circuit capacity (Ics)	Rated residual operating current (I Δ n)	Operating characteristics when residual current with DC component	Grid length (mm)
B, C	6KA	30mA	AC, A type	40

Classification

Classification by rated current	6A, 10A, 16A, 20A, 25A, 32A, 40A	Classification by magnetic trip	B, C
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Normal Operating Conditions

The ambient temperature is 5°C or +40°C, and the daily average maximum temperature is +35°C. Relative humidity: 50% maximum at 40°C, 90% maximum at 20°C