

Arc Fault Protector AFDD-63L



www.dada-ele.com

Product introduction

The fault arc protector, hereinafter referred to as the protector, effectively detects the fault arc in the access line, including the fault parallel arc and the fault series arc. When it detects that there is a fault arc that causes a fire in the line, the outlet power-off function can be carried out to achieve the purpose of warning of the occurrence of a fire.

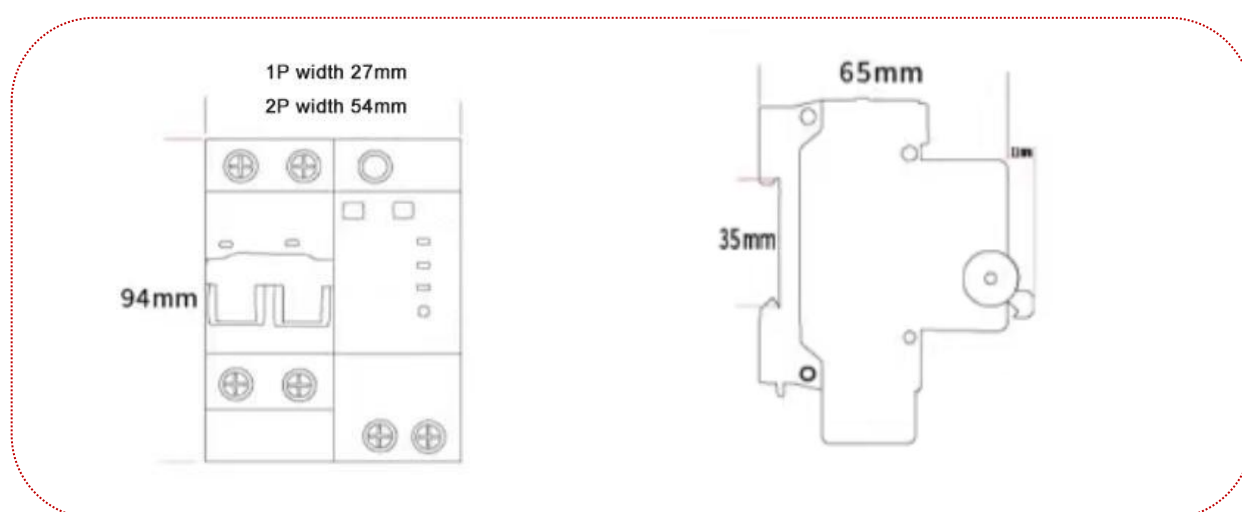
The fault arc protector is suitable for electrical lines of 10KW and below in industrial and civil buildings, and the length of the protection line should not be more than 100 meters.

The product follows the GB/T 31143-2014 IEC62602 standard, which can't it is suitable for nursing homes, schools, commercial buildings, hotels, factories, warehouses, libraries, offices, family residences, and entertainment venues, etc.

Technical parameters of the product

Product	Data
Model	AFDD-63L
Working power supply	Rated voltage AC230V
Rated frequency	50 Hz
Monitor and alarm	Fault arc alarm Load below AC40A
Voltage	Rated value AC230V
Power supply	Rated value AC63A and below
External size	1P+N/95.5*36*72.5
Installation method	35mm rail installation
Ability to split	Rated short-circuit breaking capacity $i_{cn}(KA):6.0$
Cable of wiring	1 to 25 mm ²
Characteristics of release	C, D
Electrostatic discharge anti-drying	Air discharge >8; contact discharge >6
Pulse group anti-interference	4KA.
Surge impact interference	4KA.
Use ambient temperature	-23~+55°C
Moisture and heat resistance	Category 2
Height above sea level	2000 m
Installation environment	Places without significant vibration and impact

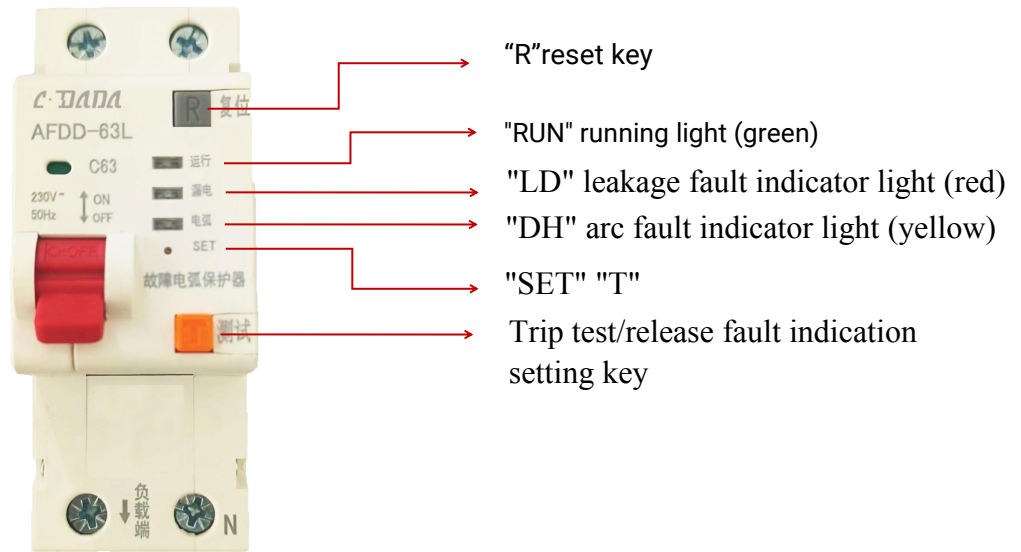
Product size and structural definition



Operating instructions

1. **Operating indicator (green)**, when the product is powered on and running normally, the RUN indicator light is on, indicating that the faulty arc function is turned on.
2. **Leakage indicator (red)**, when the product is separated due to leakage failure, the next time the gate is closed, the leakage indicator light will flash the alarm, and the alarm will be automatically lifted after 60 seconds.
3. **Arc indicator (yellow)**, when the product is separated due to an arc failure, the next time the gate is closed, the arc indicator light flashes to alarm, and the alarm will be automatically lifted after 60 seconds.
4. **Product reset.** When the product is disconnected due to an arc or leakage failure, the R button will pop up, and you need to press it to close the gate.
5. **Detachment experiment.** When there is no alarm, press the "T" key, and the product will be subjected to the unbuttoning experiment to verify whether the product's unbuttoning function is normal. When the product is in the leakage or fault arc alarm indication, Press and hold the T key for 2 seconds to forcibly release the alarm indication.
6. **Query and switch the working mode of fault arc.** Press the SET key for a short time to query the current working mode. Press the SET key for a long time to switch between 4 modes. At this time, the RUN light flashes. The number indicates the working mode (please do not adjust it if it is not necessary).
 - **Flash 1 time:** disable mode. At this time, the arc detection function is turned off, and the RUN running light will be turned off.
 - **Flashing 2 times:** anti-interference mode
 - **Flash 3 times:** standard mode (default)
 - **Flashing 4 times:** hypersensitive mode

Product interface description



***Note:**

- ① When the product is in alarm mode, the detection function works normally.
- ② When the product is in the alarm indication, the alarm needs to be lifted before the unlocking experiment can be carried out.
- ③ After turning off the arc detection function, the leakage function can work normal