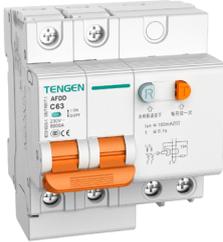


AFDD Arc Fault Protection Circuit Breaker



1 Application

AFDD has an outstanding function to detect the arc fault in the line and to isolate the arcing fault, and is recommended to use in crowded places or places with concentrated flammable materials, such as family, school, hotels, and library.

Available standard: IEC62606

Protection functions: Arc fault protection, short-circuit protection, and overload protection

2 Main parameters

Rated working voltage	230V
Rated current	6A, 10A, 16A, 20A
Rated frequency	50Hz
Trip curve	Type C: (5In - 10In)
Number of poles	1P+N
Rated short-circuit capacity, Icn	6KA

3 Electrical characteristics

Rated insulation voltage, Ui	250 (phase to ground) / 500 (phase to phase)
Rated impulse withstand voltage, Uimp	4kV
Isolating function	Yes
Pollution level	2
Trip type	Thermal magnetic
Electrical and mechanical accessory	■

4 Mechanical properties

Mechanical life	20,000 times
Electrical life	10,000 times
Protection grade Installed in the distribution box Installed directly	IP40 IP20
Mechanical shock resistance	30g, 3 shocks, with the duration of 11ms (places without obvious shocks)
Vibration resistance (IEC/EN 60068-2)	Places without obvious vibrations
Damp and hot resistance (IEC 60068-2)	Class 2, 28 cycles The relative humidity is ranged 90% to 96% at the temperature 55 C The relative humidity is ranged 95% to 100% at the temperature 25 C
Reference temperature environment	30 C
Use environment temperature (the daily mean temperature is ≤35 C)	-35 - +70 C
Storage temperature	-40 - +85 C

5 Installation features

Terminal type	Tunnel-type terminal
Wiring capacity	16mm ² and below
Max. ultimate torque	2N.m
Tools	Cross screwdriver or slotted screwdriver
Installation	Installed on the standard DIN rail (35mm)
Incoming method	Upper incoming

AFDD Arc Fault Protection Circuit Breaker

6 AFDD arcing fault protection circuit

Product name	Number of poles	Trip type	Rated current
AFDD	1	C	
	↓	↓	↓
	1: 1P+N	C: C type	6: 6A 10: 10A 16: 16A 20: 20A

Selection example: AFDD1C16, indicating: AFDD 1P+N, C type, 16A

7 Outline and installation dimensions

