

Final Distribution

AFD9-63 Arc Fault Detection Device (AFDD+Isolator)



General

AFD9-63, a three phase four wire Arc Fault Detection Device (AFDD), designed to reduce the risk of electric fire, can effectively detect electric arc faults, disconnects the affected circuit and offers complete protection in residential, non-residential building, energy sources, industry and infrastructures. Installation of AFDD is strongly recommended in location with sleeping accommodations, place with fire risks due to big quantity flammable materials, place with combustible building materials, place with irreplaceable goods and beyond.

LED Indication

LED illumination for AFDD operation and arc fault identification

1. LEDs of phase L1, L2, L3 turn GREEN, AFDD is operating properly
2. LEDs of phase L1, L2, L3 flash together in RED for 5 times and turn off when AFDD is re-closed after tripping, the tripping is caused by arc fault
3. LEDs of phase L1, L2, L3 turn RED or flash in RED, AFDD is operating improperly and shall be replaced by professionals.

Type designation



Maximum Protection

AFD9-63 offers maximum protection against:



Series arc faults



Parallel arc faults




Earth arc faults

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Technical data

| Rated voltage Ue,V | Technical data |
|---|---|
| Rated frequency,Hz | AC400/415 |
| Rated insulation voltage Ui, V | 50 |
| Rated impulse withstand voltage Uimp,V | 500 |
| Rated current In,A | 4000 |
| Number of poles | 6, 10, 16, 20, 25, 32, 40, 50, 63 |
| Rated conditional short-circuit current Inc,A | 3+N |
| Rated making and breaking capacity IΔm ,A | 10000 |
| SCPD fuse |  10000 |
| Mechanical and electrical endurance,cycles | 4000 |
| Protection degree | Ip20 |
| Ambient temperature,°C | -25~+40 |
| Standards | IEC 62606 |

Overall and mounting dimensions(mm)

