

HCA3-40 ARC FAULT DETECTION DEVICES (AFDDs)

- ◇ CIRCUIT BREAKER
- ◇ With AFD+RCBO protection
- ◇ With Over-vol. protection
- ◇ Total length, 115mm

Certifications/Standards:

- ◇ IEC/EN 62606 & IEC 61009-1



Product Model:

HCA3 - 40 / C 40 /1P+N 30mA AC

HIITIO AFDD+RCBO

Frame size : 40

Trip curve : B、C、D

Rated current(A) 6A、10A、16A、20A、
25A、32A、40A

Number of poles 1 poles+N

Rated residual
operating current: 30: 30mA, 100: 100mA, 300: 300mA;Residual current type: AC: Sinusoidal AC residual current.
A: Residual current of sinusoidal AC and half wave pulsating DC component

Product data sheet

Electrical features	Standard	IEC 61009-1, GB16917.1
	Rated curretn(In)	6A,10A, 16A, 20A,25A, 32A, 40A
	Trip curve	B, C, D
	Model	Electronic
	RCD Type	AC,A
	Pole	1P +N
	Rate voltage(Ue)	240V
	Insulation voltage(Ui)	500V
	Rated frequency	50Hz
	Energy limiting class	3
	Rated residual operating current(I△n)	30mA, 100mA, 300mA
	Rated breaking capacity (Icn)	6KA
	Rated operating short circuit breaking capacity(Ics)	6KA
	Rated residual making and breaking capacity	(2000A)
	Rated impulse withstand voltage(Uimp)	4KV
	Surge current resistance/at(8/20)us	3KA
	Electrical life	4,000
	Protection degree	2
	Mechanical life	Mechanical features
Pollution degree		IP20
Ambient temperature(with daily averages35°C)		-25°C +40°C
Storage temperature		-25°C +70°C
Installation	Terminal connection type	Cable, busbar
	Connection capacity(input)	25mm²
	Connection capacity(output)	16mm²
	Tightening torque(input)	2.5Nm
	Tightening torque(output)	1.2Nm
	35mm DIN rai1	

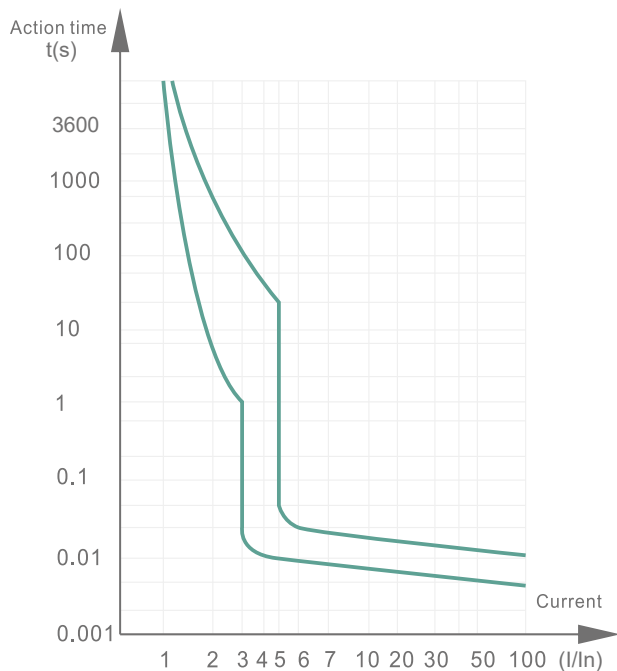
LED Indication

The following table describes all possible LED states:

[illegible]

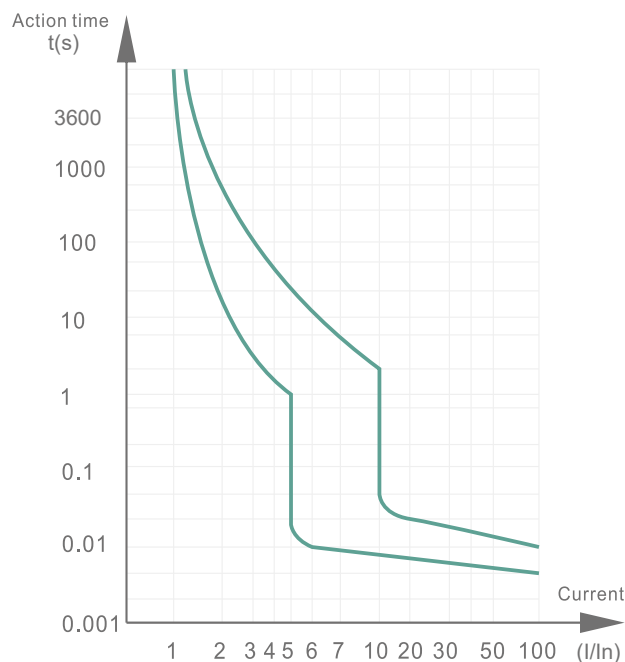
Tripping Curve

B Curve 3~5I_n



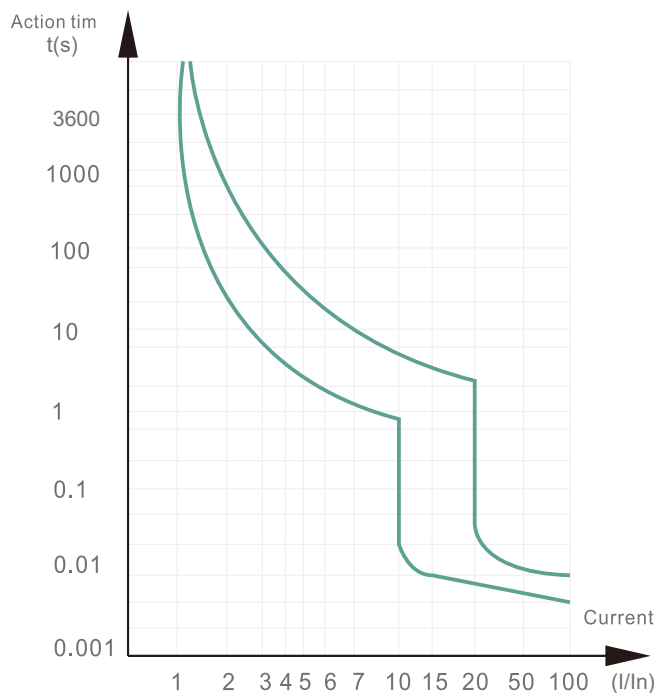
Suitable for pure resistive load and micro-inductive circuit

C Curve 5~10I_n



Suitable for general load and power distribution circuit

D Curve 10~20I_n



Suitable for electric motors or inductive circuits