

HCRO6-63 RCBO Specifications

Electrical parameters:

- ◇ Pole: 1P+N, 2P, 3P, 3P+N, 4P
- ◇ Rated breaking capacity(I_{cn}) : 6/10kA
- ◇ Electrical and Mechanical life(cycles) : 20000
- ◇ Energy limiting class:3
- ◇ Rated current:6~63A
- ◇ Rated voltage:240/415V
- ◇ Current (I_{Δn}):30/100/300mA
- ◇ Mode:Electronic



Certifications/Standards:

- ◇ CCC
- ◇ CE
- ◇ IEC61009-1, GB16917.1

Product Model:

HCRO6- 63 / C 63 /1P+N 30mA AC

HIITIO RCBO

Frame size : 63

Trip curve : B、 C、 D

Rated current(A) 6A、 10A、 16A、 20A、 25A、 32A、 40A、 50A、 63A

Number of poles 1pole 1P+N 2 poles 3 poles 3P+N 4 poles

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

Installation

Fault current indicator	YES
Protection degree	IP20
Ambient temperature	-25℃~+40℃ and its average over a period of 24h does not exceed +35℃
Storage temperature	-25℃~+70℃
Terminal connertion type	Cable/U-type busbar/Pin-type busbar
Terminal size top for cable	25mm ²
Tightening torque	2.5N.m
Mounting	On DIN rail FN 60715 (35mm) by means of fast clip device
Connection	Top and bottom

Overload Current Protection Characteristics

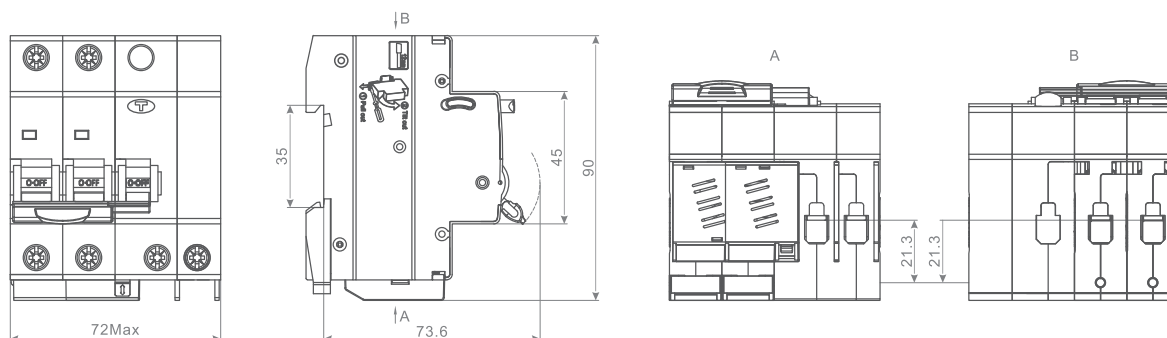
Test Procedure	Type		Initial State	Tripping or Non-tripping Time Limit	Expected Result	Remark
A	B、C、D	1.13In	cold	$t \leq 1h$	no tripping	
B	B、C、D	1.45In	after test A	$t < 1h$	tripping	The current steadily rises to the specified value within 5s
C	B、C、D	2.55In	cold	$1s < t < 60s$	tripping	
D	B	3In	cold	$t \leq 0.1s$	no tripping	Turn on the auxiliary switch to close the current
	C	5In				
	D	10In				
E	B	5In	cold	$t < 0.1s$	tripping	Turn on the auxiliary switch to close the current
	C	10In				
	D	20In				

Residual Current Operating Breaking Time

Type	In/A	IΔn/A	Residual Current(IΔ)Is Corresponding To The Following Breaking Time(S)				
AC Type	any value	any value	In	2In	5In	5A,10A,20A,50A,100A,200A,500A	
A Type		>0.01	1.4In	2.8In	7In		
			0.3	0.15	0.04	0.04	max breaking time

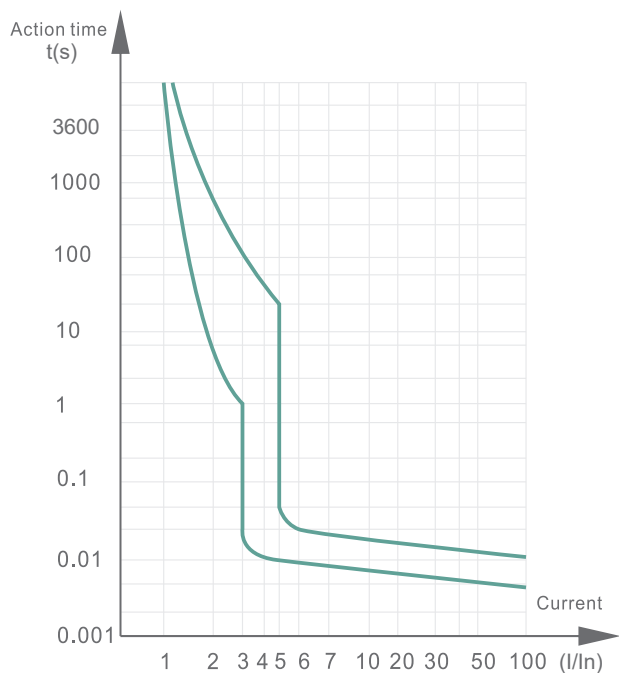
The general type RCBO whose current IΔn is 0.03mA less can use 0.25A instead of 5IΔn

The Wiring diagram



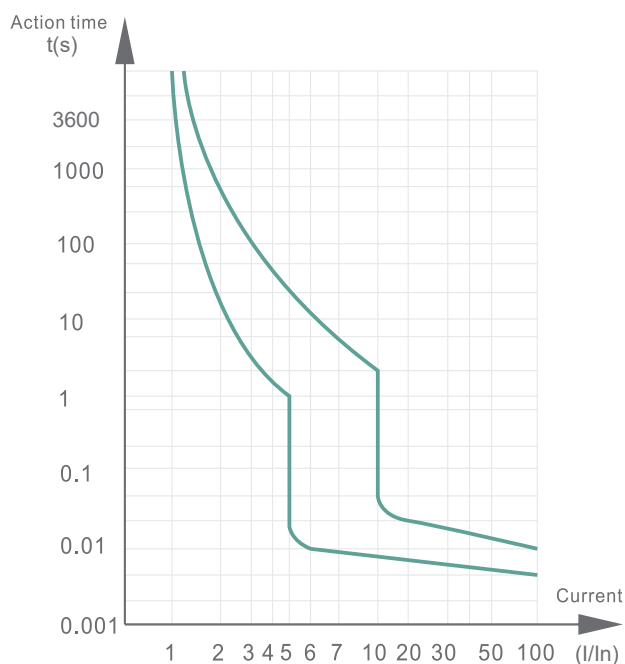
Tripping Curve

B Curve 3~5I_n



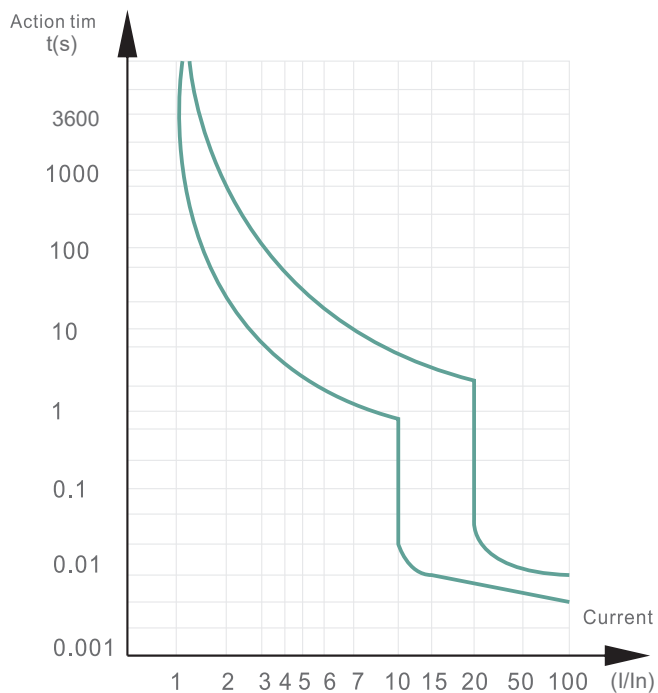
Suitable for pure resistive load and micro-inductive circuit

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