1.Object:

Provide technical data of subject products for applications.

2.Scope:

RHN-5/□ □

3.Conformity to Standards:

VDE 0660 BS EN 60947-4-1 UL 508 □IEC 60947-4-1

JEM 1356 CNS C4084 JIS C8325

4.Performance, Specifications and Dimensions:

4.1Performance and Specifications:

Catalogue Number	RHN-5/□□	
Rated Insulation Voltage (Ui)	UL 600V	□IEC 690V
Nominal Current Designation	0.45, 0.67 ,1, 1.5 ,2.1 ,2.7 ,3.6 ,5,6 ,8.5 ,12.5	
Current Setting Range	See item 5.	
Function	1. Open phase and overload protection 2. Temperature compensated 3. Test (STOP) function.	
Reset Mode	Automatic, Manual	
Contacts Configuration	1NO + 1NC	
□Temperature Compensation Range	-5□ ~ 40□	
□Trip Class	10A	

Catalogue Number			RHN-5/□□
Contact Capacities	AC-15	120V	6A
		240V	3A
		380V	1.9A
		480V	1.5A
		500V	1.4A
		600V	1.2A
	Ith	N.C. Contact	6A
		N.O. Contact	6A
Type of Terminal	Source Side		Pin
	Load Side		Screw (M4)
Applicable Contactors			CN-5/-6

Note:(1) Maximum wire size applicable at load side of main terminal is AWG1 (8.4mm2)

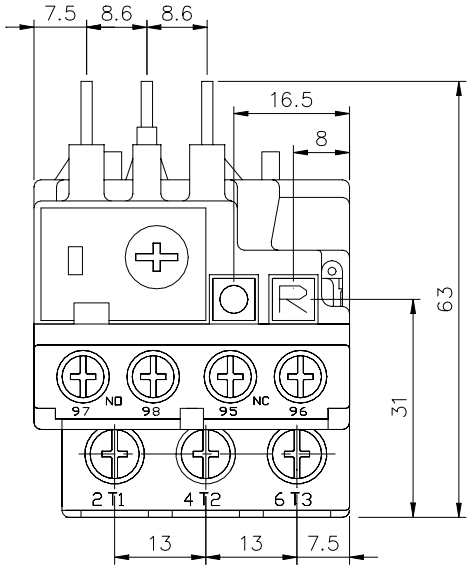
(2) Maximum width applicable of crimp-type terminal at source side is 8mm.

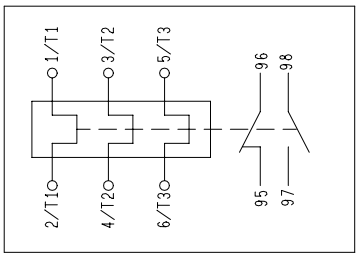
5 Applications:

5.1 RHN-5 Applicable current range 0.3A-12.5A:

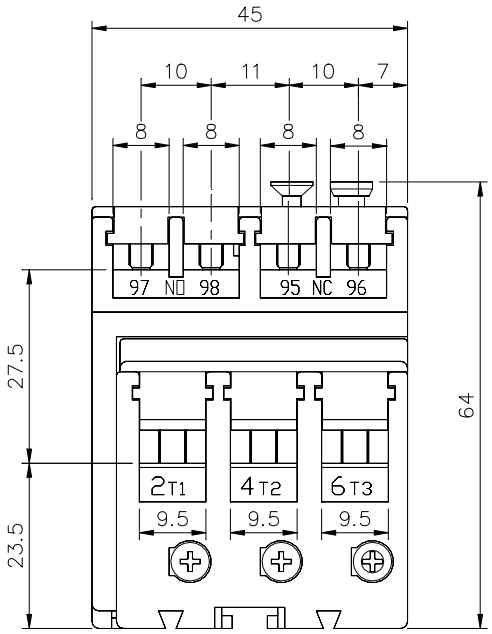
Motor Capacity (KW)					Applicable Thermal Relay		
Single-Phase Induction Motor		Three-Phase Induction Motor (V)			Current Setting	Nominal Current	Catalogue Number
110-120	220-240	220-240	380-415	440-480	Range (A)	Designation	
					0.3-0.45	0.45	RHN-5□□
				0.2	0.45-0.67	0.67	
			0.2	0.2,0.4	0.67-1	1	
	0.1	0.2	0.4	0.4,0.55	1-1.5	1.5	
	0.1	0.4	0.55,0.75	0.55,0.75	1.4-2.1	2.1	
0.1	0.2	0.4,0.55	0.75	0.75,1.1	1.8-2.7	2.7	
0.1	0.2,0.4	0.55,0.75	1.1,1.5	1.5	2.4-3.6	3.6	
	0.4,0.55	0.75,1.1	1.5	0.5,2.2	3.5-5.0	5	
0.2	0.55,0.75	1.1	2.2	2.2	4-6	6	
0.4	0.75	1.5	3.7	3.7	5.5-8.5	8.5	
0.55,0.75	1.1,1.5	2.2		5.5	8.5-12.5	12.5	

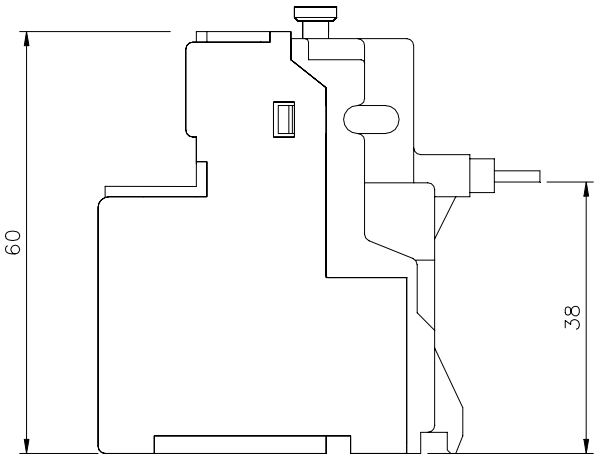
5.2.Overall Dimension:





Terminal Marking

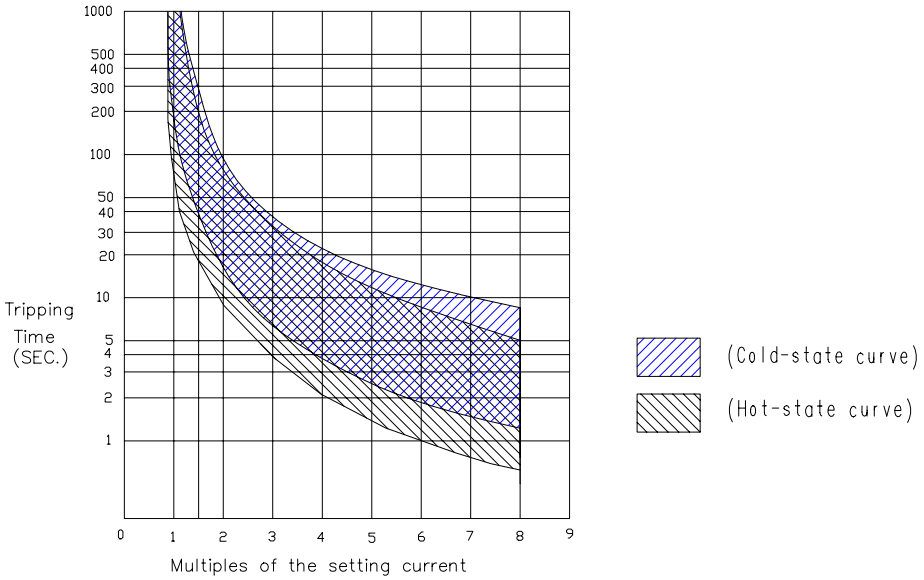




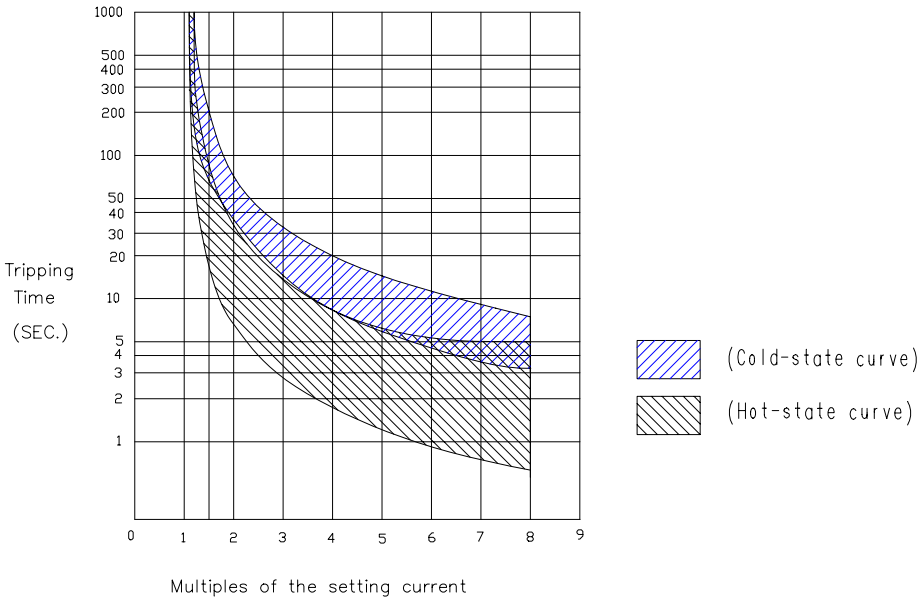
□

5.3.Tripping curve of thermal overload relays:

Catalogue Number	RHN-5/0.45A
Current Designation (A)	0.45
Current Setting Range (A)	0.3~0.45

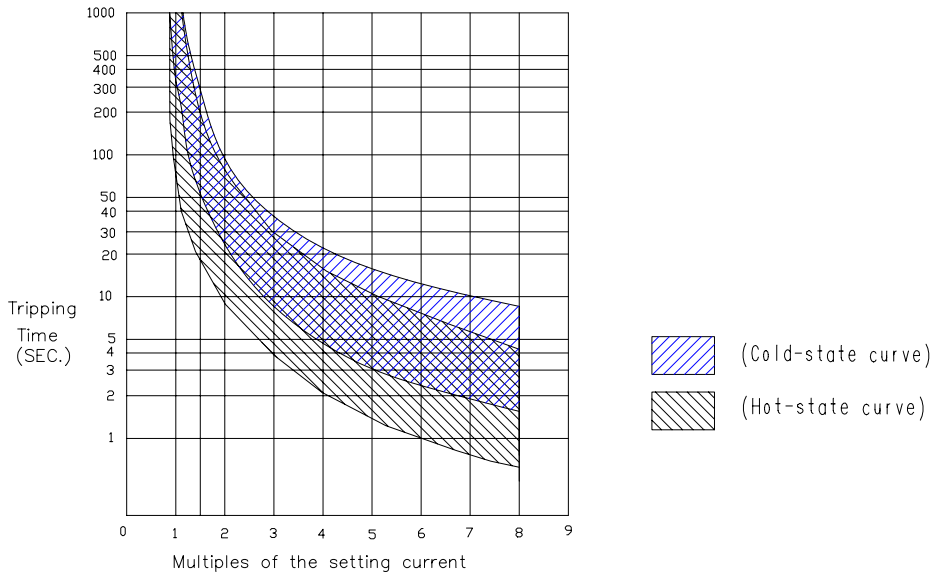


Single—Phase failure Protection Characteristic

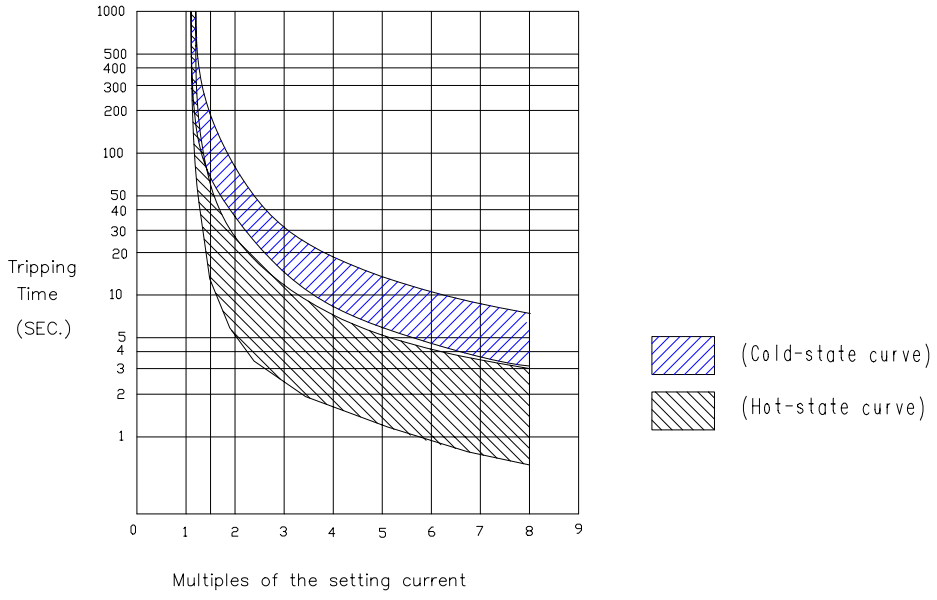


Three—Phase Protection Characteristic

Catalogue Number	RHN-5/0.67A
Current Designation (A)	0.67
Current Setting Range (A)	0.45~0.67

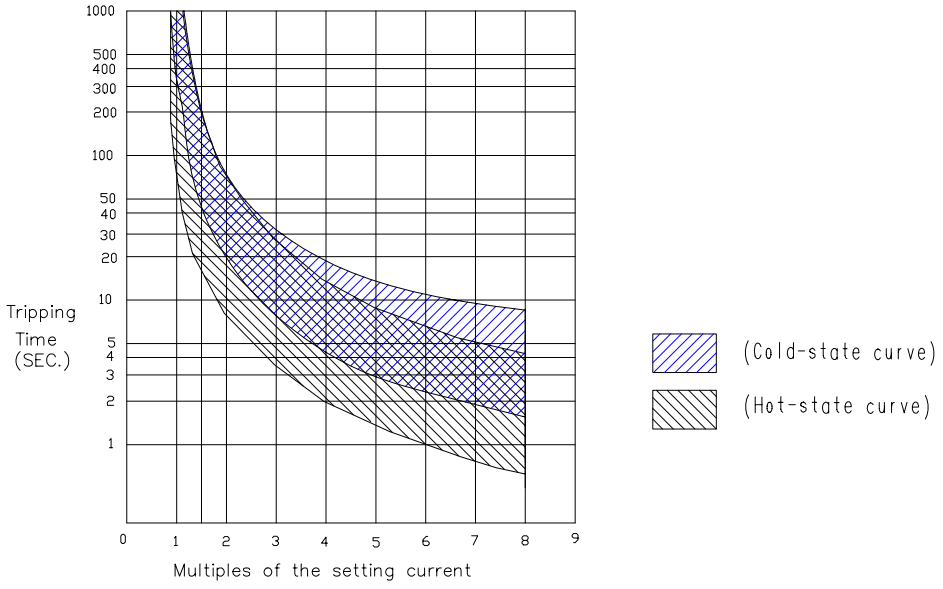


Single—Phase failure Protection Characteristic

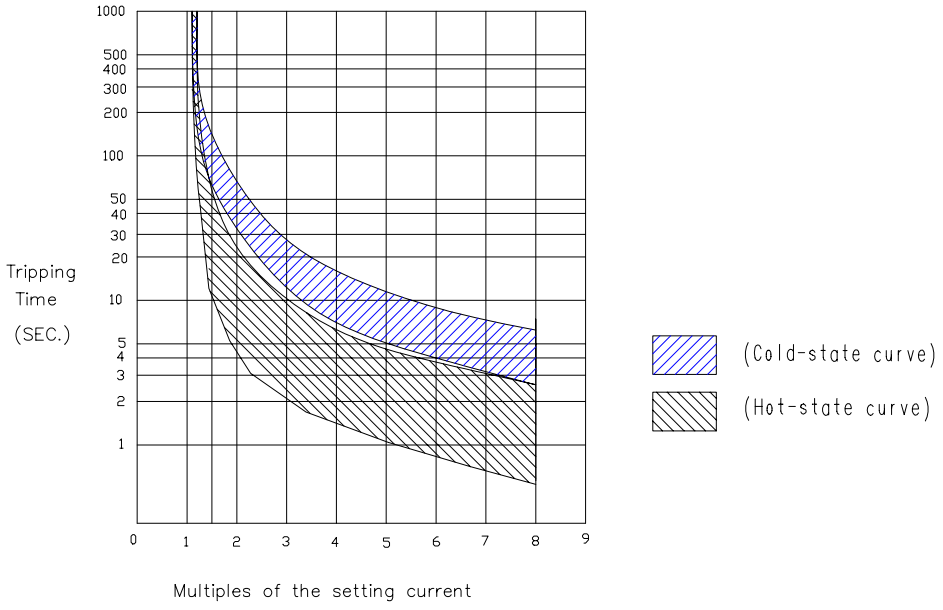


Three—Phase Protection Characteristic

Catalogue Number	RHN-5/1A
Current Designation (A)	1
Current Setting Range (A)	0.67~1

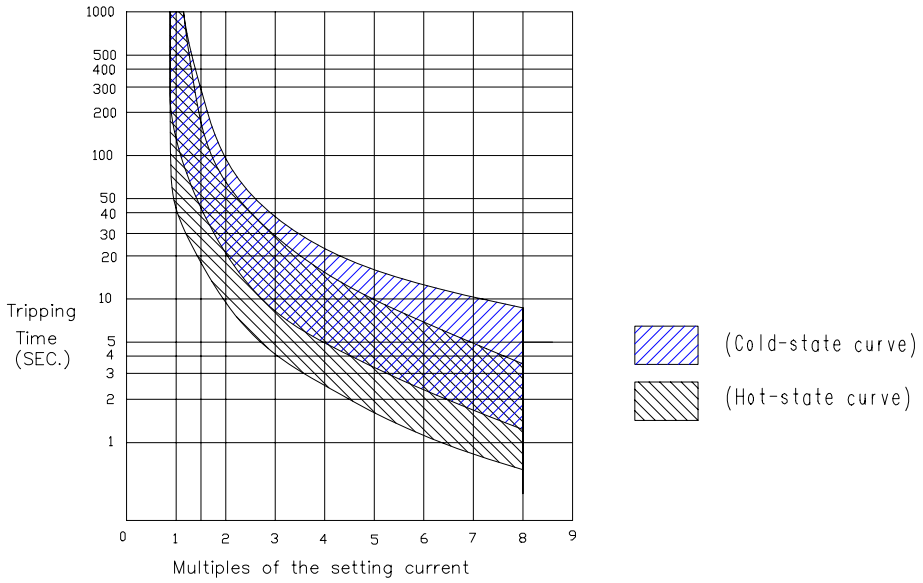


Single-Phase failure Protection Characteristic

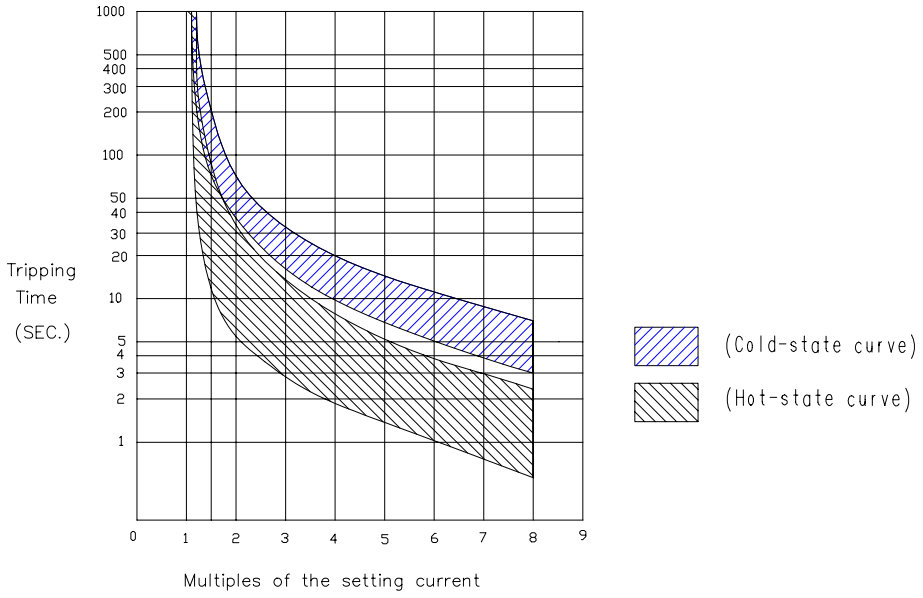


Three-Phase Protection Characteristic

Catalogue Number	RHN-5/1.5A
Current Designation (A)	1.5
Current Setting Range (A)	1~1.5

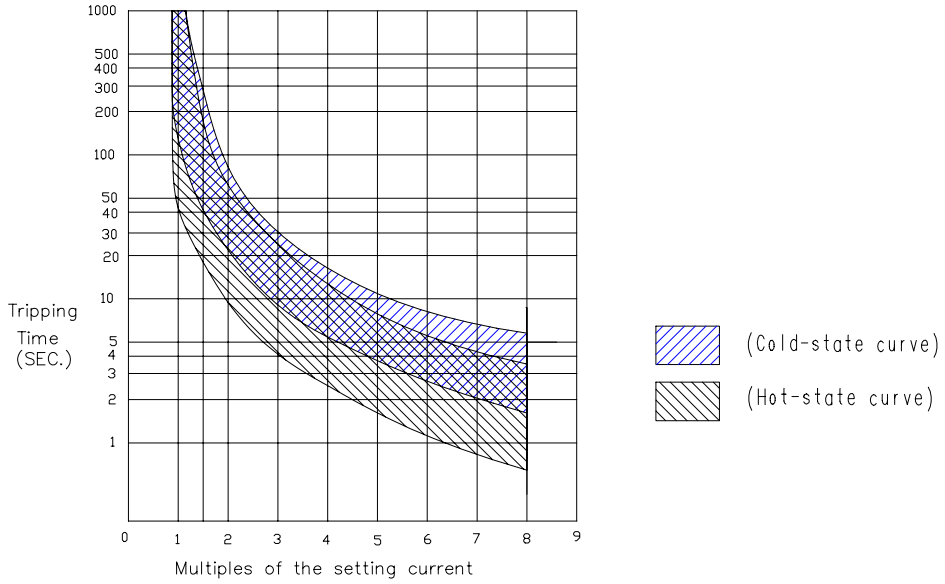


Single—Phase failure Protection Characteristic

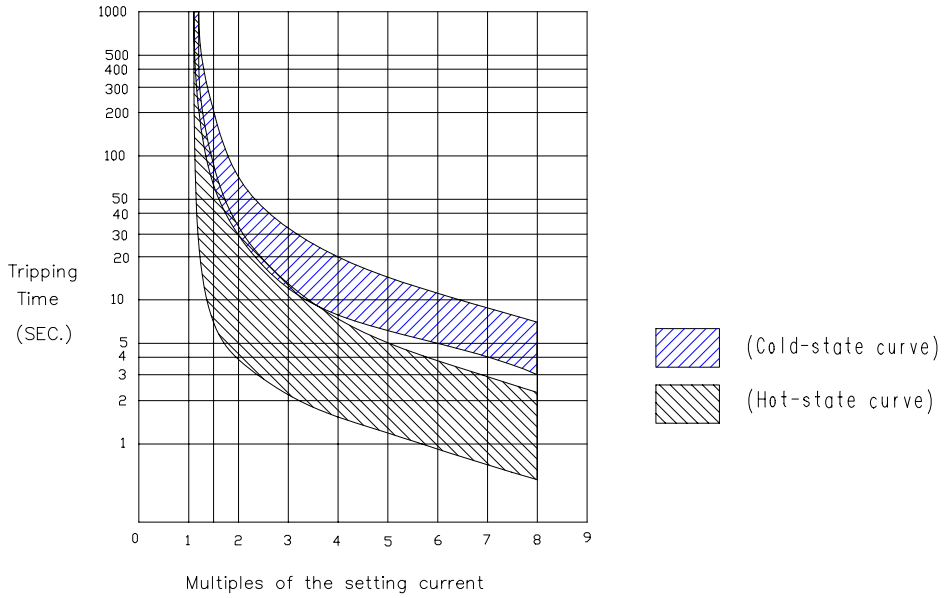


Three—Phase Protection Characteristic

Catalogue Number	RHN-5/2.1A
Current Designation (A)	2.1
Current Setting Range (A)	1.4~2.1

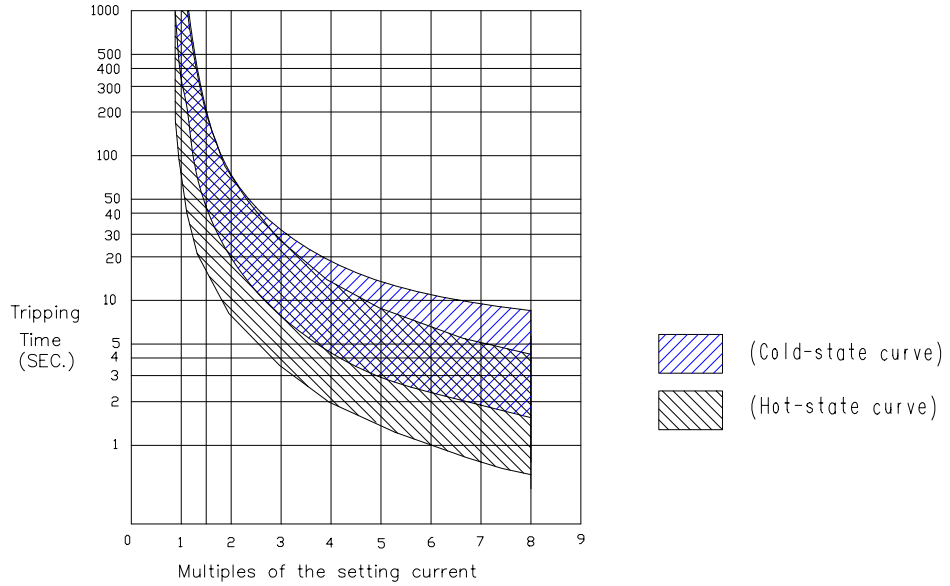


Single—Phase failure Protection Characteristic

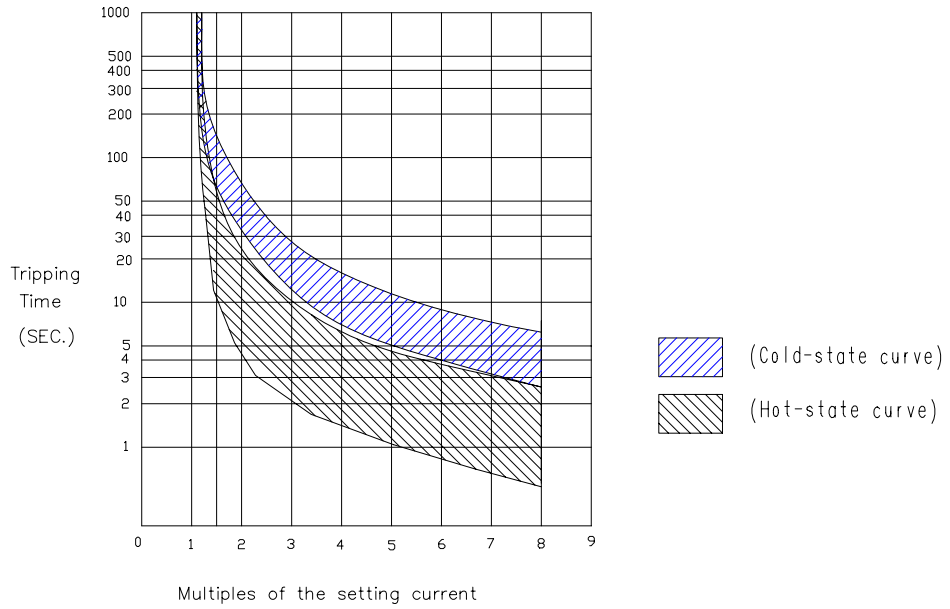


Three—Phase Protection Characteristic

Catalogue Number	RHN-5/2.7A
Current Designation (A)	2.7
Current Setting Range (A)	1.8~2.7

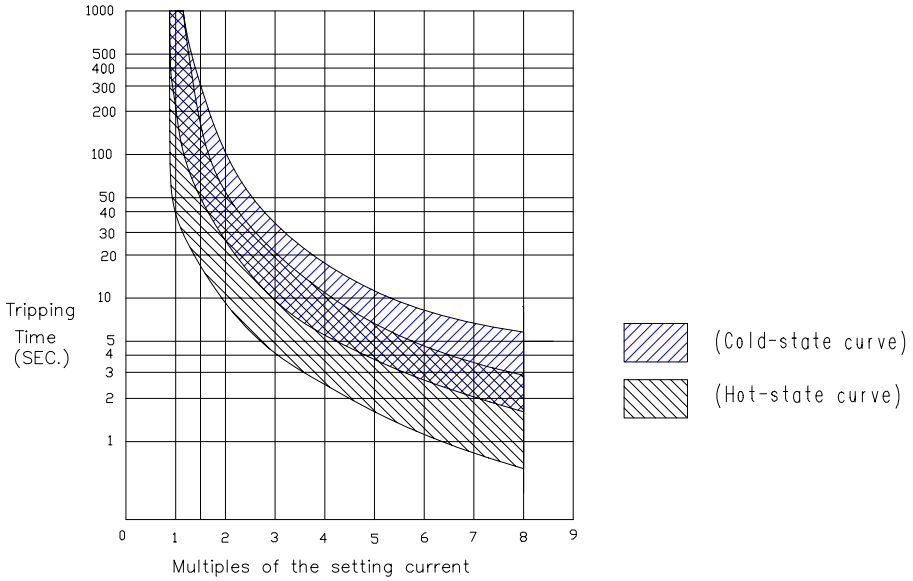


Single—Phase failure Protection Characteristic

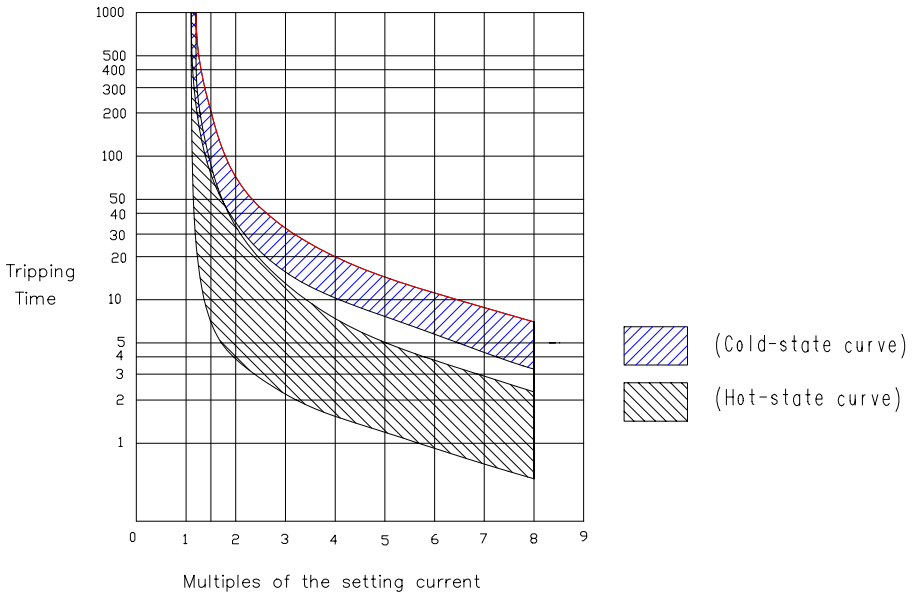


Three—Phase Protection Characteristic

Catalogue Number	RHN-5/3.6A
Current Designation (A)	3.6
Current Setting Range (A)	2.4~3.6

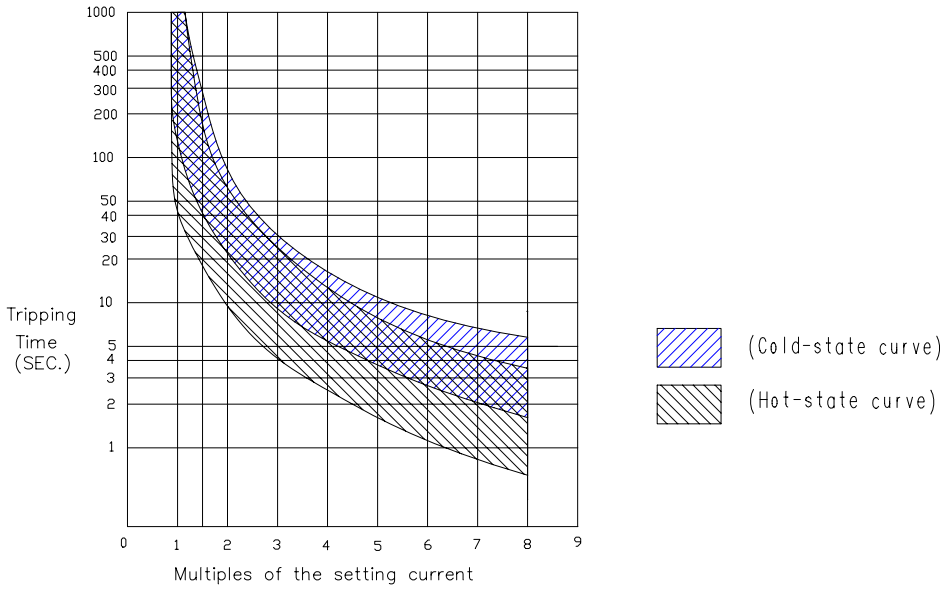


Single—Phase failure Protection Characteristic

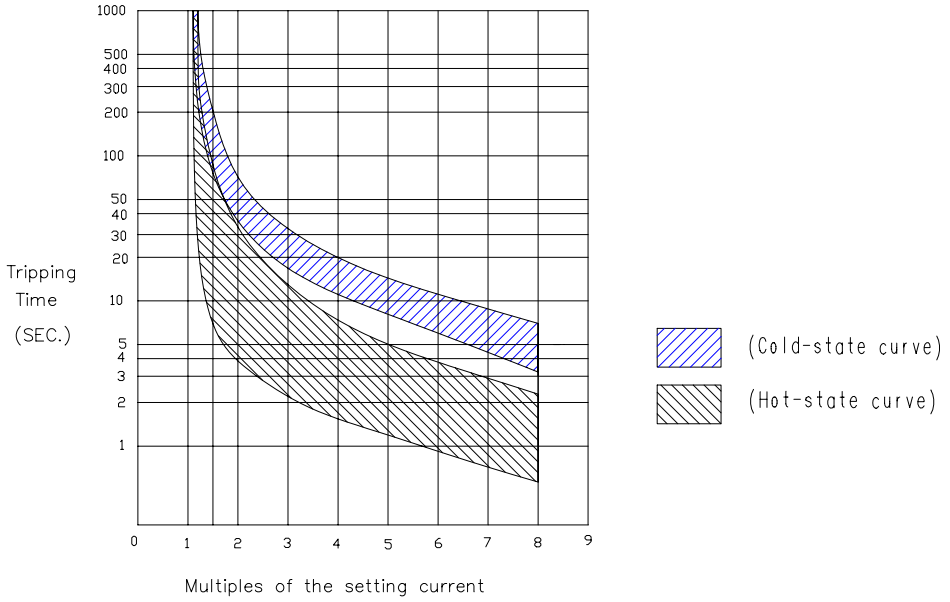


Three—Phase Protection Characteristic

Catalogue Number	RHN-5/5A
Current Designation (A)	5
Current Setting Range (A)	3.5~5

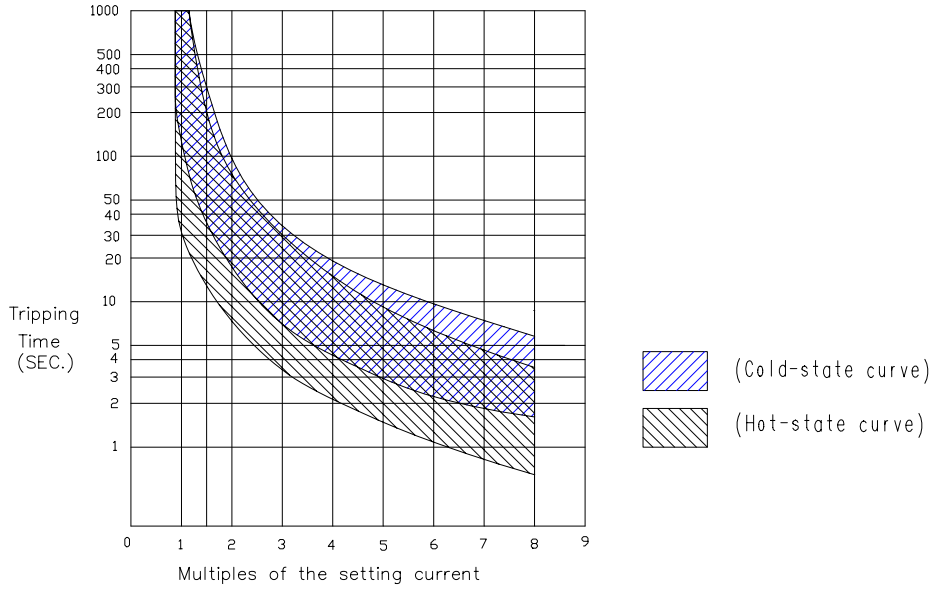


Single—Phase failure Protection Characteristic

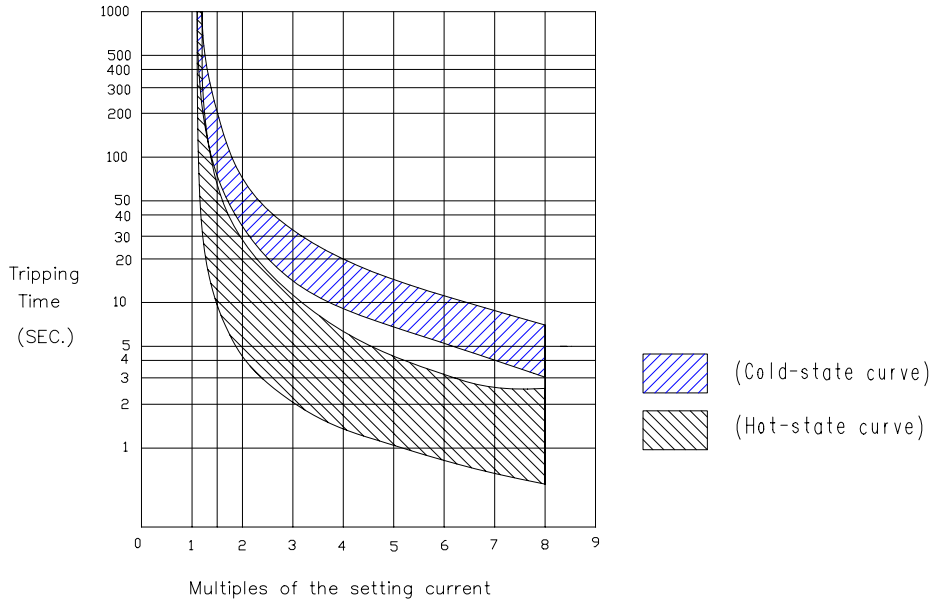


Three—Phase Protection Characteristic

Catalogue Number	RHN-5/6A
Current Designation (A)	6
Current Setting Range (A)	4~6

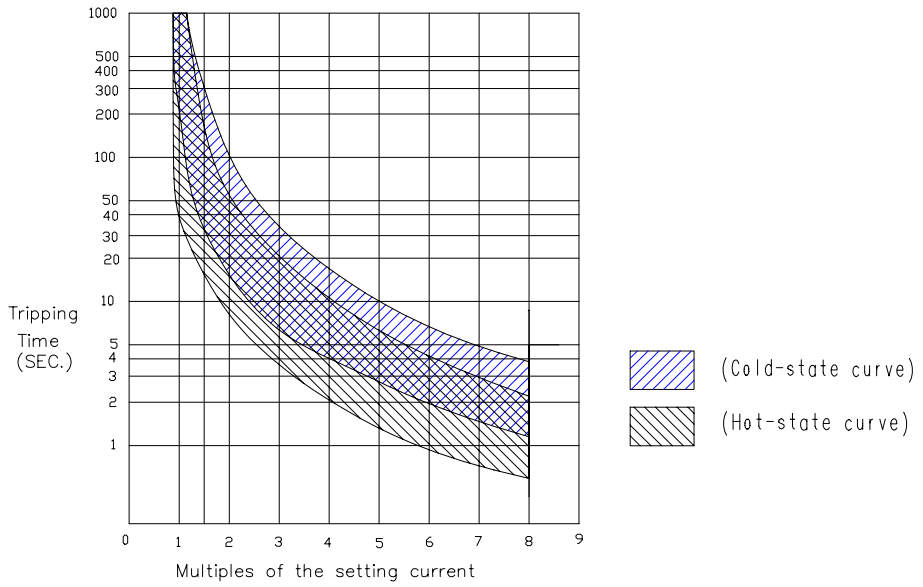


Single—Phase failure Protection Characteristic

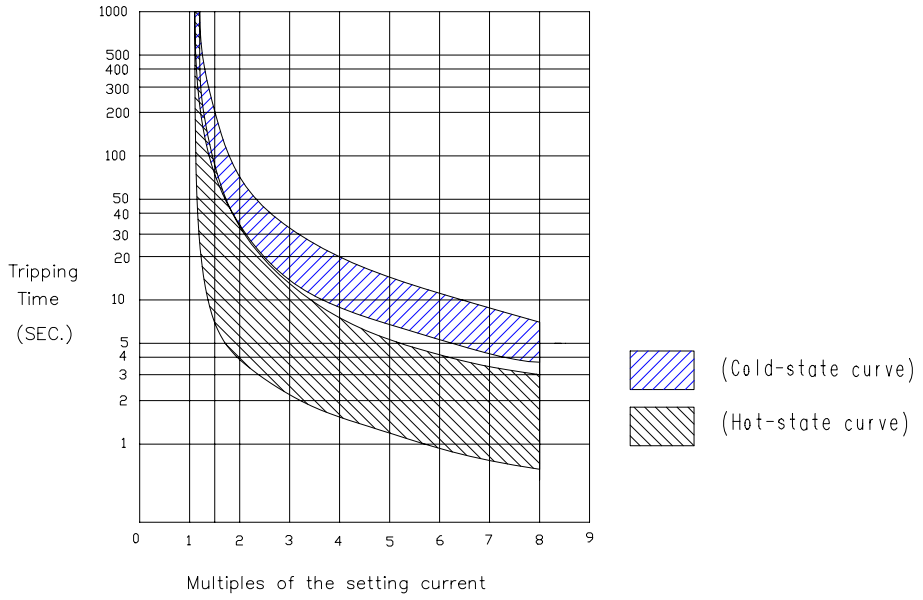


Three—Phase Protection Characteristic

Catalogue Number	RHN-5/8.5A
Current Designation (A)	8.5
Current Setting Range (A)	5.5~8.5

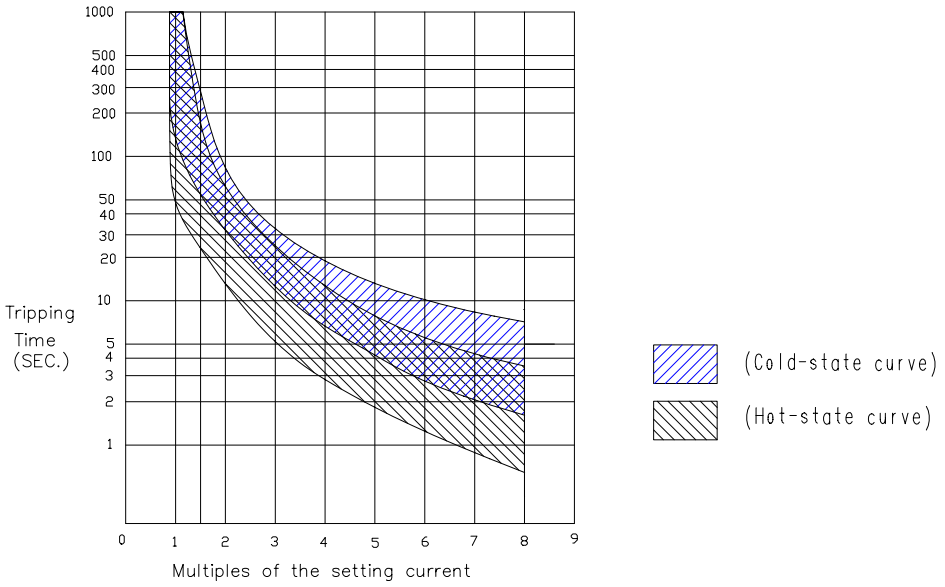


Single—Phase failure Protection Characteristic

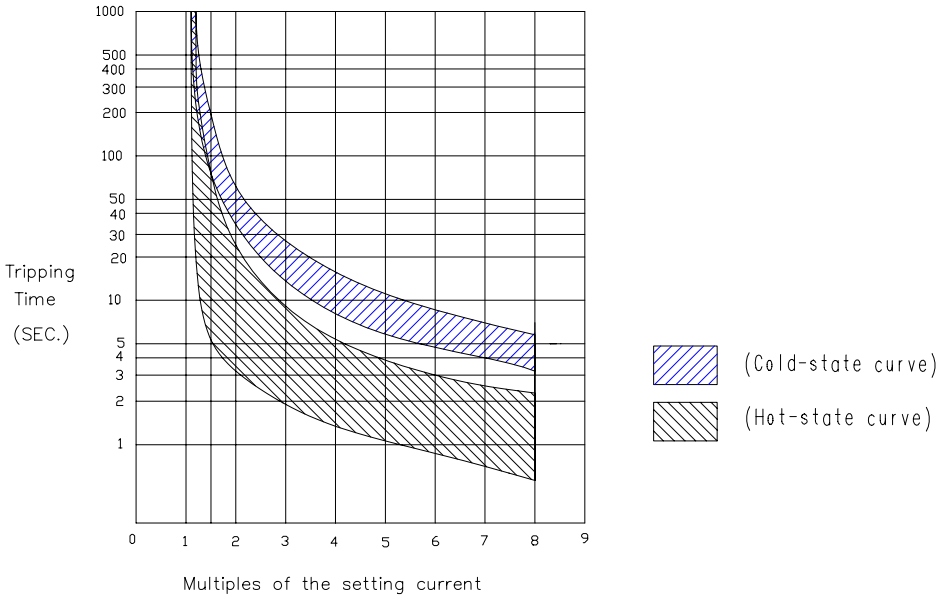


Three—Phase Protection Characteristic

Catalogue Number	RHN-5/12.5A
Current Designation (A)	12.5
Current Setting Range (A)	8.5~12.5



Single—Phase failure Protection Characteristic

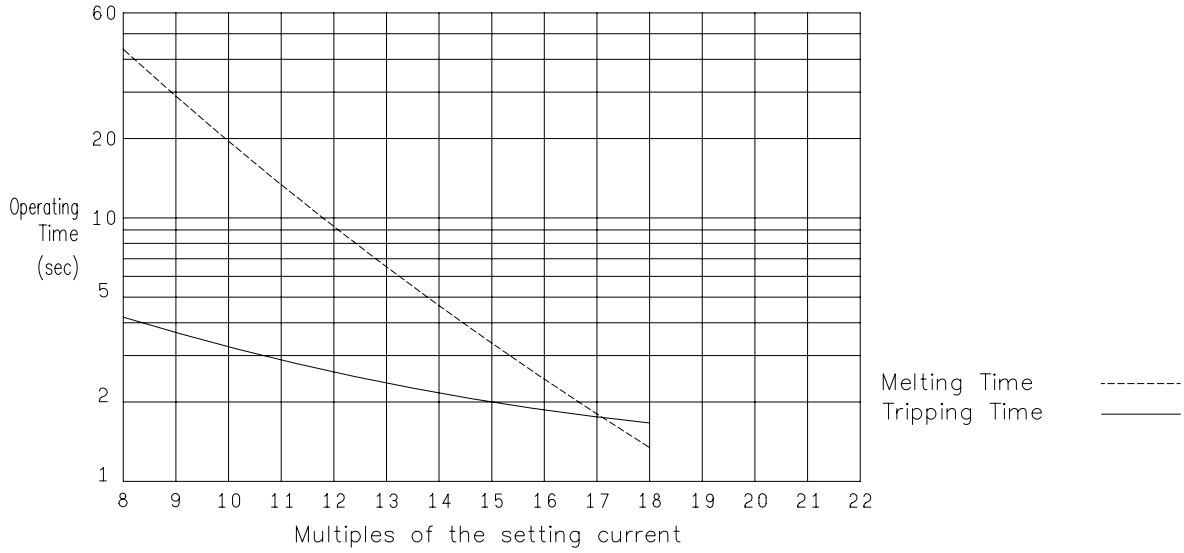


Three—Phase Protection Characteristic

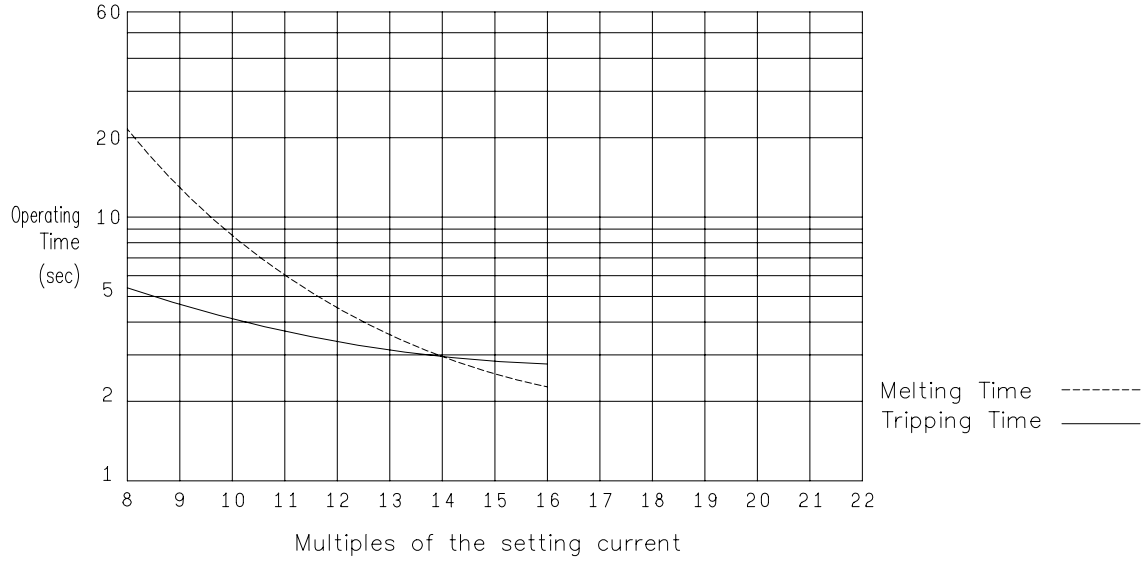
□

5.4.The limit of destruction:

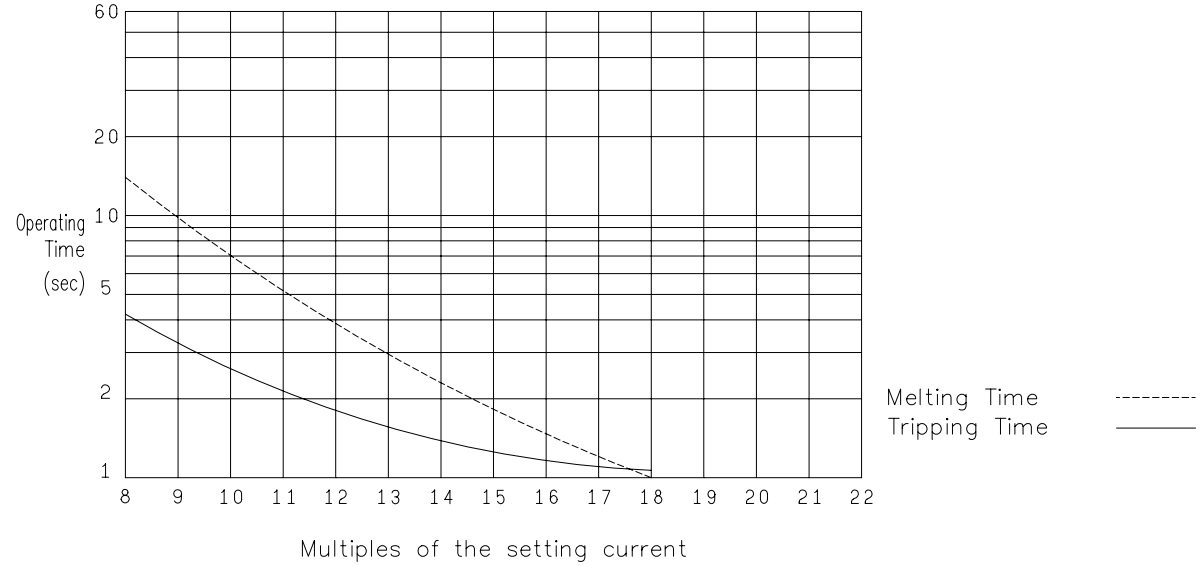
Catalogue Number	RHN-5/0.45A	RHN-5/0.67A	RHN-5/1A	RHN-5/1.5A
Current Designation (A)	0.45	0.67	1	1.5
Current Setting Range (A)	0.3~0.45	0.45~0.67	0.67~1	1~1.5



Catalogue Number	RHN-5/2.1 A	RHN-5/2.7A	RHN-5/3.6A
Current Designation (A)	2.1	2.7	3.6
Current Setting Range (A)	1.4~2.1	1.8~2.7	2.4~3.6



Catalogue Number	RHN-5/5A	RHN-5/6A	RHN-5/8.5A
Current Designation (A)	5	6	8.5
Current Setting Range (A)	3.5~5	4~6	5.5~8.5



Catalogue Number	RHN-5/12.5A
Current Designation (A)	12.5
Current Setting Range (A)	8.5~12.5