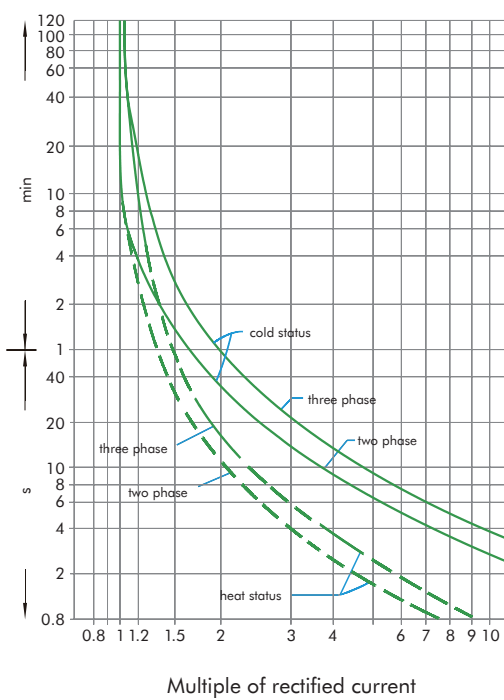


4. Technical data

4.1 Protection properties

Item	Series No.	Multiples of current Setting		Tripping time	Test condition
Overload protection	1	1.05		>2h	Start from cold state
	2	1.2		≤2h	Start from heat state, right after item No.1
	3	1.5		≤2min	Start from heat state, right after item No.1
	4	7.2		2s<Tp≤10s	Start from cold state
Phase failure protection	5	Any two phases	Another phase	>2h	Start from cold state
		1.0	0.9		
	6	1.15	0	≤2h	Start from heat state, right after item No.5

Curves



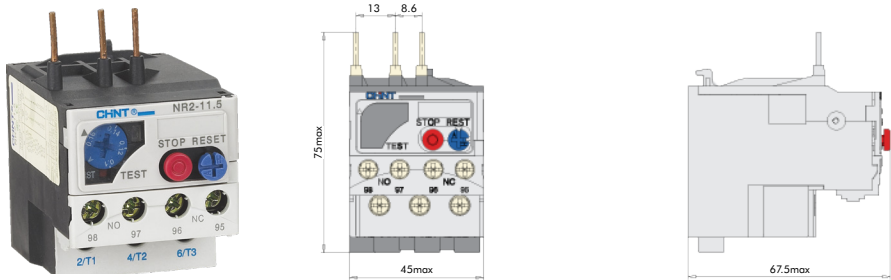
Model		NR2-11.5						
Picture								
Current class(A)		13						
Phase loss protection function		Yes						
Automatic & manual reset		Yes						
Temperature compensation		Yes						
Tripping indicator		Yes						
Test & stop pushbutton		Yes						
Auxiliary contacts	Plug-in	Yes						
	Independent	Yes						
	No. of contacts	1N/O+1N/C						
	Rated current (A) (AC-15 220V)	2.73						
	Rated current (A) (AC-15 380V)	1.58						
		Rated current (A) (DC-13 220V)						
		0.2						
Rated operational current(A)		Current setting range						
		0.1~0.16	0.16~0.25	0.25~0.40	0.40~0.63	0.63~1	1~1.6	1.25~2
Matched fuse	aM(A)	0.25	0.5	1	1	2	2	4
	gG(A)	2	2	2	2	4	4	6

Model		NR2-93						
Picture								
Current class(A)		93						
Phase failure protection function		Yes						
Automatic & manual reset		Yes						
Temperature compensation		Yes						
Tripping indicator		Yes						
Test & stop pushbutton		Yes						
Mounting mode	Plug-in	Yes						
	Independent	Yes						
Auxiliary contacts	Configuration of contacts	Rated						
		1N/O+1N/C						
	Rated current (A) (AC-15 220V)	2.73						
	Rated current (A) (AC-15 380V)	1.58						
		Rated current (A) (DC-13 220V)						
		0.2						
Rated operational current(A)		Current setting range						
		23~32	30~40	37~50	48~65	55~70	63~80	80~93
Matched fuse	aM(A)	40	40	63	63	80	80	100
		63	100	100	100	125	125	160

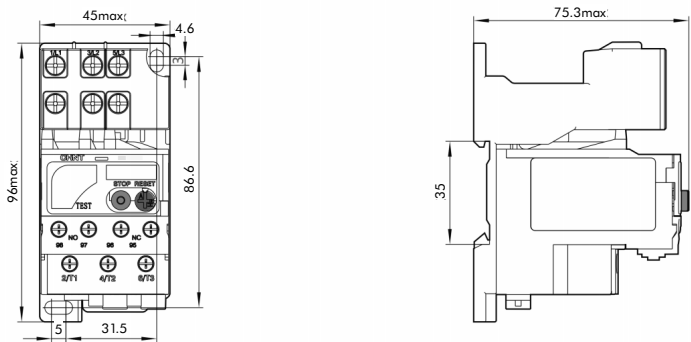
NR2-25								NR2-36	
									
25								36	
Yes								Yes	
Yes								Yes	
Yes								Yes	
Yes								Yes	
Yes								Yes	
Yes								Yes	
Yes								Yes	
Yes								Yes	
1N/O+1N/C								1N/O+1N/C	
2.73								2.73	
1.58								1.58	
0.2								0.2	
Current setting range								Current setting range	
1.6~2.5	2.5~4	4~6	5.5~8	7~10	9~13	12~18	17~25	23~32	28~36
4	6	8	12	12	16	20	25	40	40
6	10	16	20	20	25	35	50	63	80

NR2-150			NR2-200			NR2-630				
										
150			200			630				
Yes			Yes			Yes				
Yes			Yes			Yes				
Yes			Yes			Yes				
Yes			Yes			Yes				
Yes			Yes			Yes				
Yes			No			No				
No						Yes				
1N/O+1N/C						1N/O+1N/C				
2.73						2.73				
1.58						1.58				
0.2			0.2			0.2				
Current setting range			Current setting range			Current setting range				
80~104	95~120	110~150	80~125	100~160	125~200	160~250	200~315	250~400	315~500	400~630
125	125	160	125	160	200	250	315	400	500	630
250	250	250	200	250	315	400	500	630	800	800

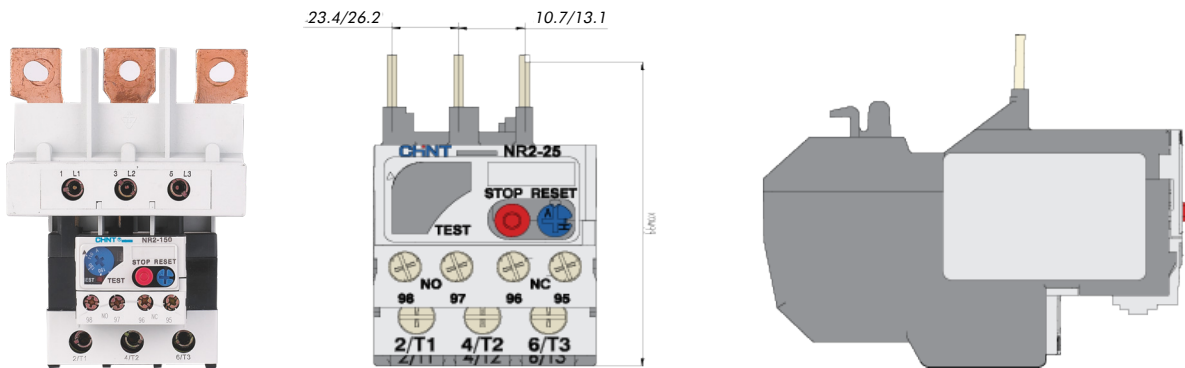
NR2-11.5



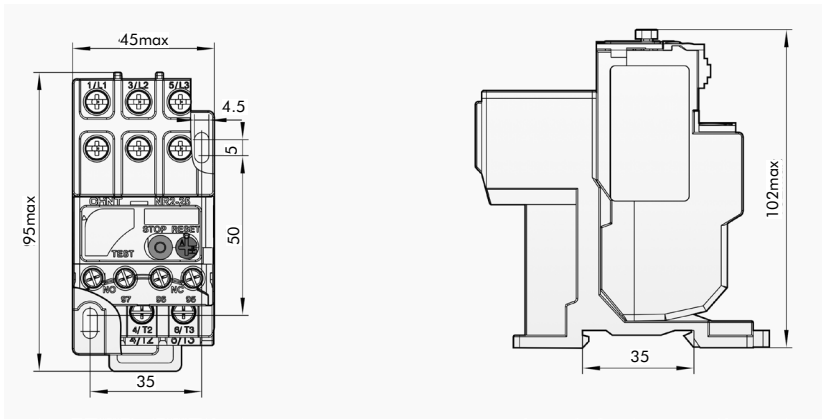
NR2-11.5 with MB-1



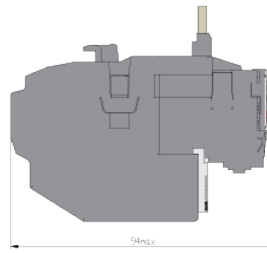
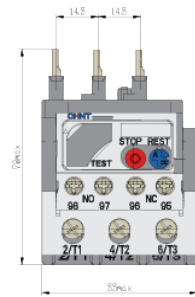
NR2-25



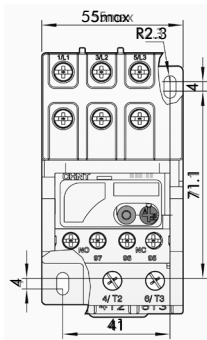
NR2-25 with MB-2



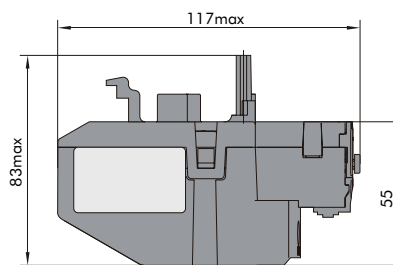
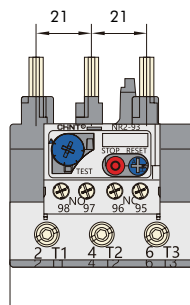
NR2-36



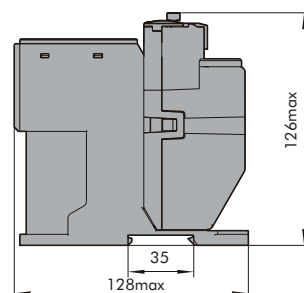
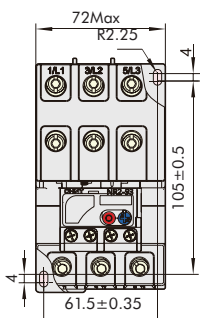
NR2-36 with MB-3



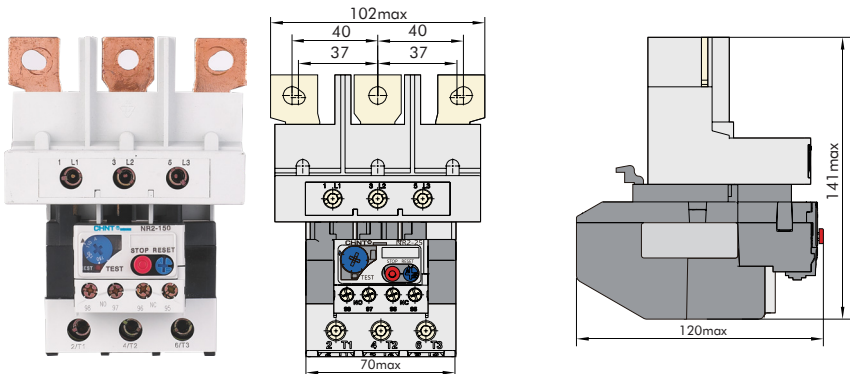
NR2-93



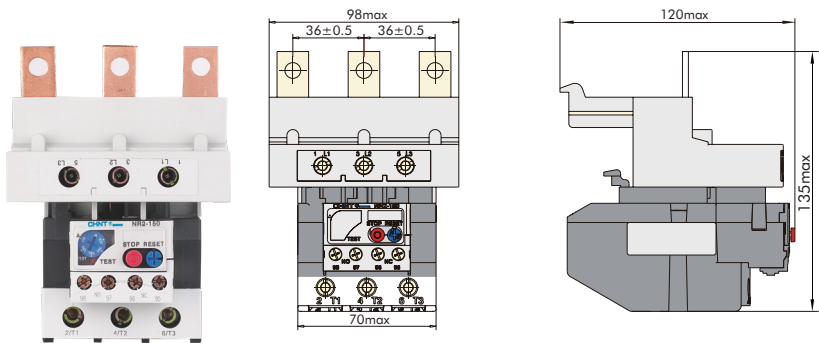
NR2-93 with MB-4



NR2-150(matched with NC2)



NR2-150(matched with NC7)



Note:Dimension with ^{**} for the product over 400A.

6. Wiring

Items			NR2-11.5	NR2-25	NR2-36	NR2-93	NR2-150	NR2-200N	NR2-630
	Main circuit	Single core or stranded wire	1~4	1~4	4~10	4~35	25~50	50~95	120-2x185
		Wiring screw	M3.5	M4	M4	M10	M6/M8	M8	M10
	Auxiliary circuit	Single core or stranded wire	1~2.5	1~2.5	1~2.5	1~2.5	1~2.5	1~2.5	1~2.5
		Wiring screw	M3.5	M3.5	M3.5	M3.5	M3.5	M3.5	M3.5

Modle Size	NR2-11.5	NR2-25				NR2-36	NR2-93			
	NC6-09	NC1-09-25	NC1-32	NC7-09 ~ 22	NC7-25 ~ 32	NC1-32 NC7-32 ~ 38	NC1-40 ~ 65	NC1-80 ~ 95	NC7-40 ~ 65	NC7-80 ~ 95
A max (mm)	50	47	57	47	57	58	77	87	77	87
B max (mm)	119	122	135	125	135	142	178	178	178	178
C max (mm)	74	102	115	102	115	102	128	128	128	128

7. Accessories

No.		Description	Application
1		MB-1	Incorporate with NR2-11.5 relay to form an independently mounted product
2		MB-2	Incorporate with NR2-25 relay to form an independently mounted product
3		MB-3	Incorporate with NR2-36 relay to form an independently mounted product
4		MB-4	Incorporate with NR2-93 relay to form an independently mounted product

8. Assembly with contactor

Model of overload relay	Rated current(A)	Recommended fuse type (RT16 is recommended)		Model of contactor
		aM	gG	
 NR2-11.5	0.1~0.16	0.25	2	NC6-09
	0.16~0.25	0.5	2	
	0.25~0.4	1	2	
	0.4~0.63	1	2	
	0.63~1	2	4	
	1~1.6	2	4	
	1.25~2	4	6	
	1.6~2.5	4	6	
	2.5~4	6	10	
	4~6	8	16	
	5.5~8	12	20	
	7~10	12	20	
	9~13	16	25	
	0.1~0.16	0.25	0.25	
 NR2-25	0.16~0.25	0.5	0.5	NC1-09 NC1-12 NC1-18 NC1-25 NC1-32 NC7-09~22 NC7-25~32
	0.25~0.4	1	1	
	0.4~0.63	1	1	
	0.63~1	2	2	
	1~1.6	2	2	
	1.25~2	4	4	
	1.6~2.5	4	4	
	2.5~4	6	6	
	4~6	8	8	
	5.5~8	12	12	
	7~10	12	12	
	9~13	16	16	
	12~18	20	20	
	17~25	25	25	

Model of overload relay	Rated current(A)	Recommended fuse type (RT16 is recommended)		Model of contactor
		aM	gG	
 NR2-36	23~32	40	63	NC1-32 NC7-32~38
	28~36	40	80	
 NR2-93	23~32	40	63	NC1-40 NC1-50 NC1-65 NC1-80 NC1-95 NC7-40~65 NC7-80~95
	30~40	40	100	
	37~50	63	100	
	48~65	63	100	
	55~70	80	125	
	63~80	80	125	
	80~93	100	160	
 NR2-150(matched with NC2)	80~104	125	250	NC2-115 NC2-150
	95~120	125	250	
	110~150	160	250	
 NR2-150(matched with NC7)	80~104	125	250	NC7-115 NC7-150 NC7-170
	95~120	125	250	
	110~150	160	250	
 NR2-200	80~125	125	200	NC2-115 NC2-150 NC2-185 NC2-225 NC7-115~170 NC7-205
	100~160	160	250	
	125~200	200	315	
 NR2-630	160~250	250	400	NC2-185 NC2-225 NC2-265 NC2-330 NC2-400 NC2-500 NC2-630 NC7-205~300 NC7-410~475 NC7-620
	200~315	315	500	
	250~400	400	630	
	315~500	500	800	
	400~630	630	800	