

NR2 Series Thermal Relays

General



Certifications: UL, CB, CE, VDE, PCT



Standards: IEC60947



Electrical system: 50/60Hz,690V AC 0.1A~630A

Technical Data

Type		NR2(JR28)-11.5	NR2(JR28)-25													
Picture																
Current class (A)		13	25													
Open-phase protection function		Yes	Yes													
Auto & manual reset		Yes	Yes													
Temperature compensation		Yes	Yes													
Releasing indicator		Yes	Yes													
Test & stop pushbutton		Yes	Yes													
Installation type	Plug-in	Yes	Yes													
	Independent	Yes	Yes													
Auxiliary contacts	No. of contacts	1NO+1NC	1NO+1NC													
	Rated current (A) (AC-15 220V)	2.73	2.73													
	Rated current (A) (AC-15 380V)	1.58	1.58													
	Rated current (A) (DC-15 220V)	0.2	0.2													
Rated operational current (A)		Current setting range						Current setting range								
		0.1~0.6	0.16~0.25	0.25~0.40	0.40~0.63	0.63~1	1~1.6	1.25~2	1.6~2.5	2.5~4	4~6	5.5~8	7~10	9~13	12~18	17~25
Matched fuse	aM (A)	0.25	0.25	1	1	2	2	4	4	6	8	12	12	16	20	25
	gG (A)	2	2	2	2	4	4	6	6	10	16	20	20	25	35	50

Features

- Bimetallic type
- Temperature compensation
- Phase failure protection
- Current setting continuously readjustable
- Releasing indicator
- Auto and manual reset buttons
- Test and stop button

NR2(JR28)-36		NR2(JR28)-93						
								
36		93						
Yes		Yes						
Yes		Yes						
Yes		Yes						
Yes		Yes						
Yes		Yes						
Yes		Yes						
Yes		Yes						
1NO+1NC		1NO+1NC						
2.73		2.73						
1.58		1.58						
0.2		0.2						
Current setting range		Current setting range						
23~32	28~36	23~32	30~40	37~50	48~65	55~70	63~80	80~93
40	40	40	40	60	63	80	80	100
63	80	63	100	100	100	125	125	160



Protection Property

◆ Overload Protection

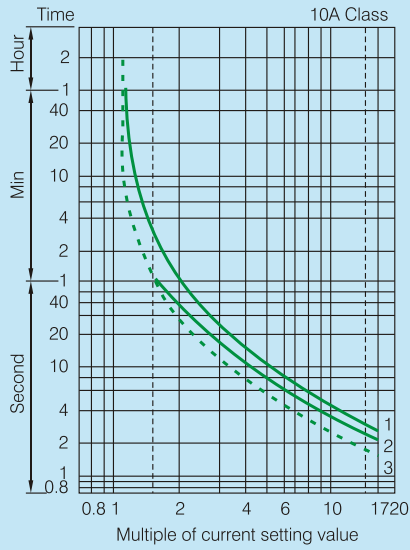
Item	Current setting multiple	Operating time	Initial status
1	1.05	>2h	Cold state
2	1.2	≤2h	After test item 1
3	1.5	≤2min	After test item 1
4	7.2	2s<Tp≤10s	Cold state

◆ Phase Failure Protection

Item	Current setting multiple		Operating time	Initial status
5	Any two phases	Another phase	>2h	Cold State
	1.0	0.9		
6	1.15	0	≤2h	After item 5

Type		NR2(JR28)-200			NR2(JR28)-630				
Picture									
Current class (A)		200			630				
Open-phase protection function		Yes			Yes				
Auto & manual reset		Yes			Yes				
Temperature compensation		Yes			Yes				
Releasing indicator		Yes			Yes				
Test & stop pushbutton		Yes			Yes				
Installation type	Plug-in	Yes			Yes				
	Independent	Yes			Yes				
Auxiliary contacts	No. of contacts	1NO+1NC			1NO+1NC				
	Rated current (A) (AC-15 220V)	2.73			2.73				
	Rated current (A) (AC-15 380V)	1.58			1.58				
	Rated current (A) (DC-15 220V)	0.2			0.2				
Rated operational current (A)		Current setting range			Current setting range				
		80~125	100~160	125~200	160~250	200~315	250~400	315~500	400~630
Matched fuse	aM (A)	125	160	200	250	315	400	550	630
	gG (A)	200	250	315	400	500	630	800	800

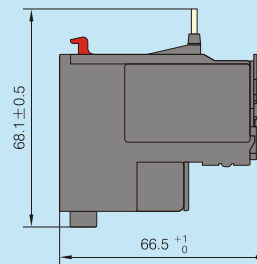
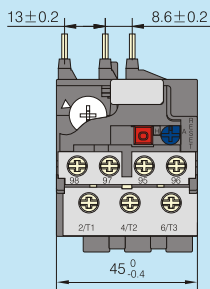
Protection Property Curve



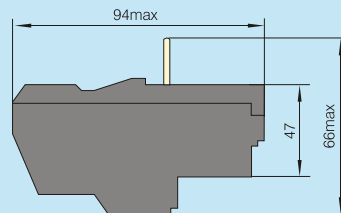
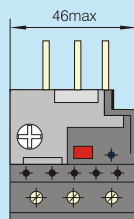
- 1 Balanced operation, three phase, start from the cold status
- 2 Balanced operation, two phase, start from the cold status
- 3 Balanced operation, three phase, start from the heating status

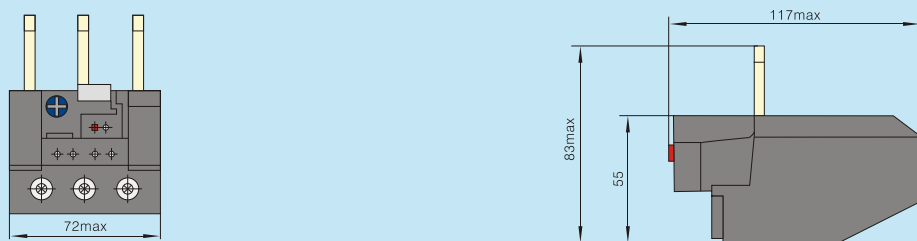
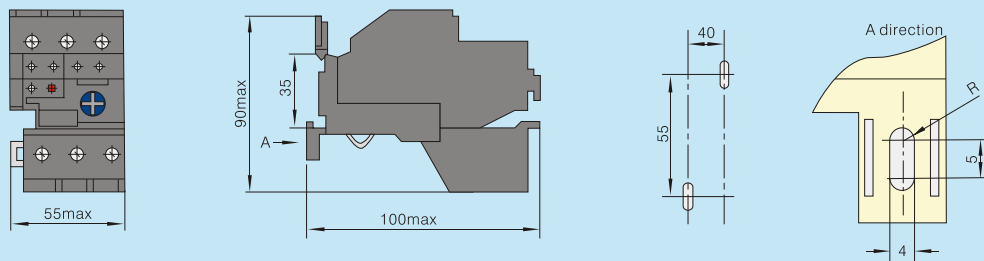
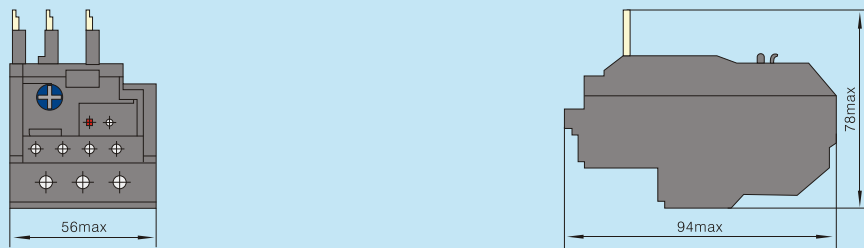
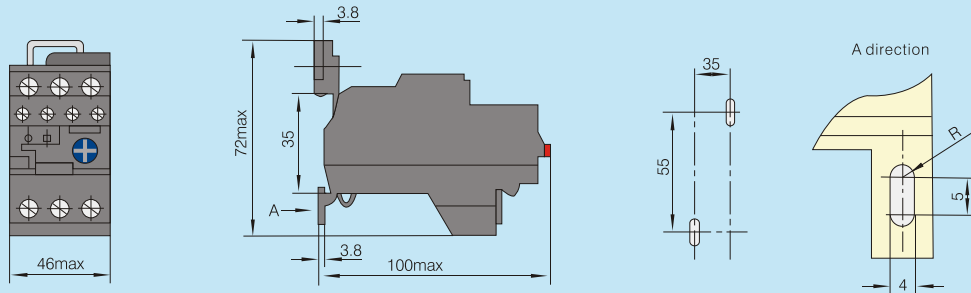
Overall and Mounting Dimensions (mm)

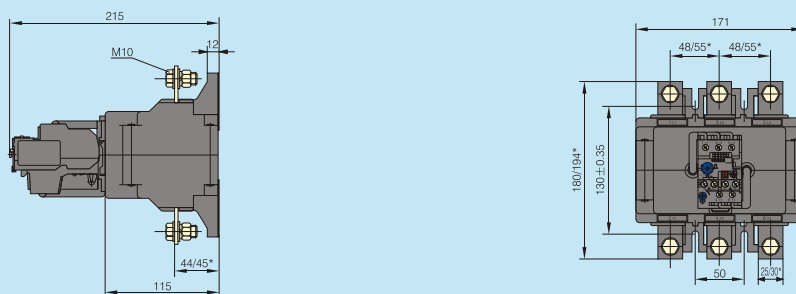
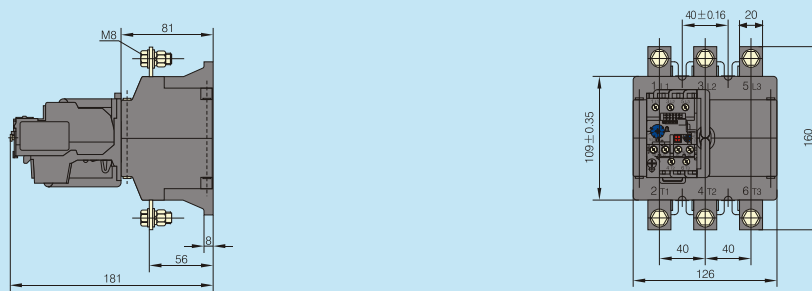
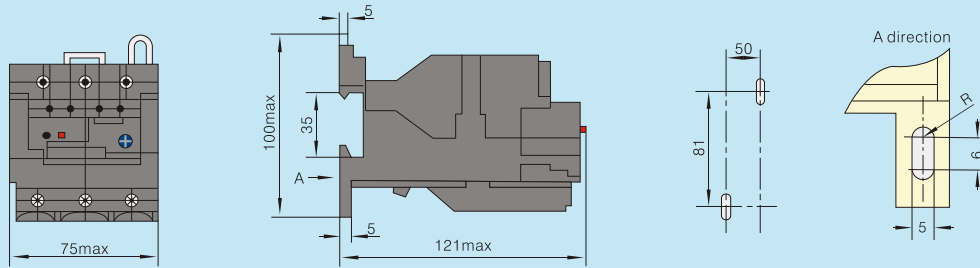
NR2-11.5






NR2(JR28)-25







Accessories

	Description	Application
	NR2-25 mounting base	Assembled with NR2-25 to form a complete set
	NR2-36 mounting base	Assembled with NR2-25 to form a complete set
	NR2-93 mounting base	Assembled with NR2-25 to form a complete set