

RKR2

Thermal Overload Relay Standard_IEC60947-4-1

Standard type



Feature

- 3-phase bimetal
- Continuously readjustable current settings
- Temperature compensation
- Tripping indicator
- Test button
- Stop button
- Manual and automatic reset button
- Electrically separated 1NO plus 1NC contact

Type Designation

RK	R	2	-	25	11
↓	↓	↓		↓	↓
①	②	③		④	⑤

Code	Meaning
①	Company code
②	Thermal overload relay
③	Design sequence Number

Code	Meaning
④	Frame Size
⑤	Code of current rating Basic specification, expressed with the rated operational current (380V/400V, AC3)

Description

Electric value	AC50/60Hz, 690V, 0.1~93A
Tripping class	10A
Mounting version	Plug-in: Available for EKR2-13, 23, 33

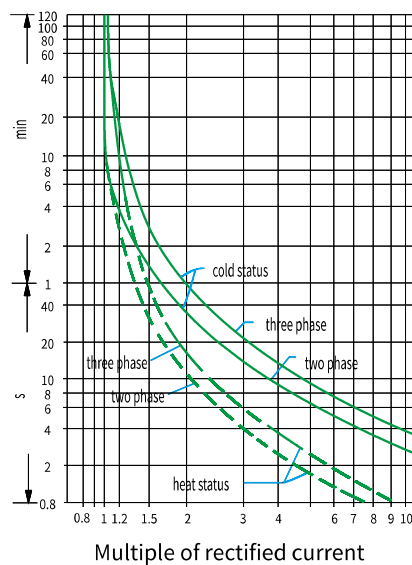
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Protection property

Item	Series No.	I/In		Operating time Tp	Test condition
Overload protection	1	1.05		>2 h	Start from cold status
	2	1.2		≤2h	Start from heat status, right after item No.1
	3	1.5		≤2min	Start from heat status, right after item No.1
	4	7.2		2s<Tp≤10s	Start from cold status
Phase failure protection	5	Any two phases	Another phases	>2 h	Start from cold status
		1.0	0.9		
	6	1.15	0	≤2 h	Start from heat status, right after item No.5

Curves



Technical Data

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
	No. of contacts	1NO+1NC
Auxiliary contacts	Rated current (A) (AC-15 220V)	2.73
	Rated current (A) (AC-15 380V)	1.58
	Rated current (A) (DC-13 220V)	0.2

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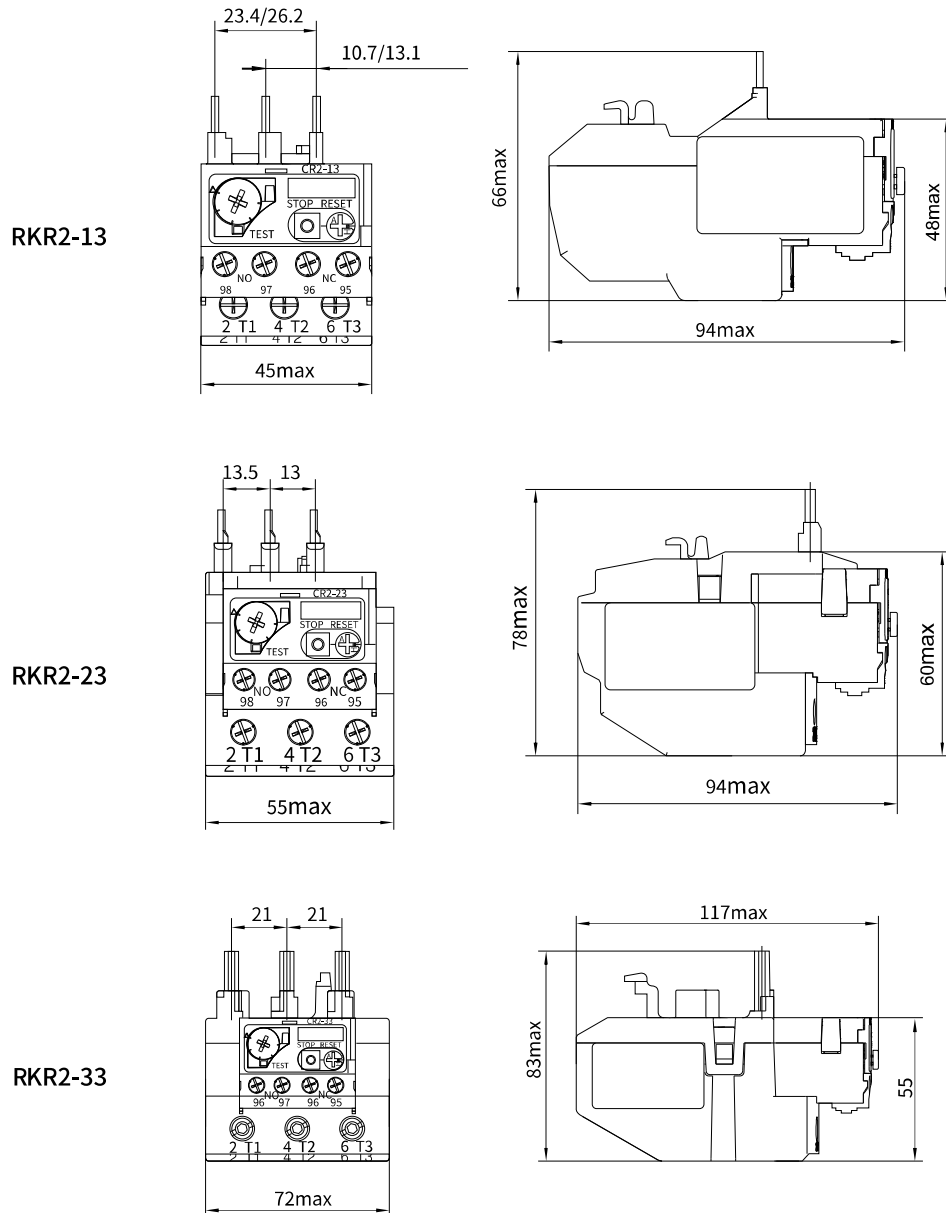
Assembly with contactor

Model of overload relay	Code	Rated current (A)	Recommended fuse type(Recommended RT16)		Contactor Matched
			aM	gG	
RKR2-13	1301	0.1~0.16	0.25	2	RKC1/RKC2(S)-09 RKC1/RKC2(S)-12 RKC1/RKC2(S)-18 RKC1/RKC2(S)-25 RKC1/RKC2(S)-32
	1302	0.16~0.25	0.5	2	
	1303	0.25~0.4	1	2	
	1304	0.4~0.63	1	2	
	1305	0.63~1	2	4	
	1306	1~1.6	2	4	
	1307	1.6~2.5	4	6	
	1308	2.5~4	6	10	
	1310	4~6	8	16	
	1312	5.5~8	12	20	
	1314	7~10	12	20	
	1316	9~13	16	25	
	1321	12~18	20	35	
	1322	17~25	25	50	
RKR2-23	2353	23~32	40	63	RKC1/RKC2(S)-32
	2355	30~40	40	80	
RKR2-33	3353	23~32	40	63	RKC1/RKC2(S)-40 RKC1/RKC2(S)-50 RKC1/RKC2(S)-65 RKC1/RKC2(S)-80 RKC1/RKC2(S)-95
	3355	30~40	40	100	
	3357	37~50	63	100	
	3359	48~65	63	100	
	3361	55~70	80	125	
	3363	63~80	80	125	
	3365	80~93	100	160	

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Dimension(mm)



Items			RKR2-13	RKR2-23	RKR2-33
Cross section area of conductor mm ²	Main circuit	Single core or stranded wire	1~4	4~10	4~35
		Wiring screw	M4	M4	M10
	Auxiliary circuit	Single core or stranded wire	0.5~2.5	0.5~2.5	0.5~2.5
		Wiring screw	M3.5	M3.5	M3.5