

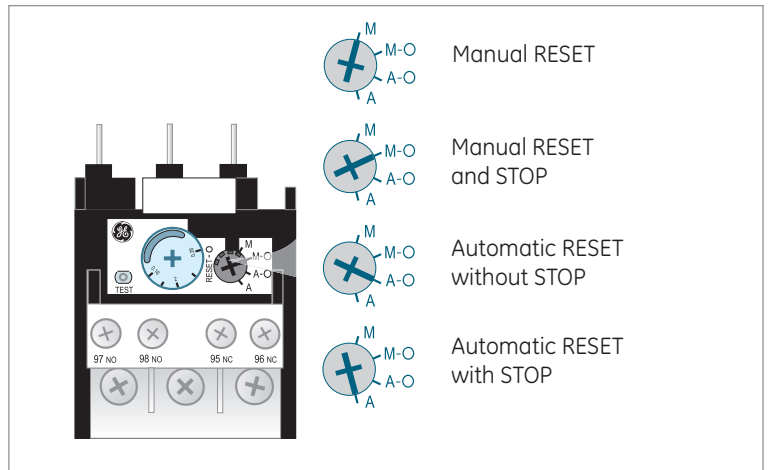
Thermal overload relays for contactors from 0.16 to 850A

- Control circuit up to 690V AC
- Power circuit:
 - RT1, RT12: up to 690V
 - RT2, RT22, RT3, RT32, RT4/4L, RT5/5L & RT6/6L: up to 1000V
- Thermal protection against normal overloads.
- Three pole differential (phase unbalance protection).
- Protection against long starting times.
- Automatic ambient temperature compensation between - 25°C y + 60°C.
- Front mounted test button.
- Trip indication.
- Independent auxiliary contacts with double rupture (1NO + 1NC).
- Function selector:
 - Manual RESET
 - Manual RESET and STOP
 - Automatic RESET with STOP
 - Automatic RESET without STOP

Standards

IEC/EN 60947-4-1	CSA 22.2/14
IEC/EN 60947-5-1	NI C 63-650
UNE 115	VDE 0660
NFC 63-650	UL 508
CEI 17-50	

Approvals



Order codes ● pg. C.63
 Technical data ● pg. C.70
 Dimensions ● pg. C.74



Thermal overload relays for contactors



	For use with:	Setting range (regulation)		Fuses ⁽¹⁾		Srew terminal		Ring terminal		Pack	
				aM	gL - gG						
		min. A	max. A	A	A	Cat. no.	Ref. no.	Cat. no.	Ref. no.		
Class 10A	CL00	0.16	0.26	2	2	RT1B	113700	RT1RB	114087	5	
	CL01	0.25	0.41	2	2	RT1C	113701	RT1RC	114088	5	
	CL02	0.4	0.65	2	2	RT1D	113702	RT1RD	114089	5	
	CL25	0.65	1.1	2	4	RT1F	113703	RT1RF	114090	5	
	CL03	1.0	1.5	4	6	RT1G	113704	RT1RG	114091	5	
	CL04	1.3	1.9	4	6	RT1H	113705	RT1RH	114092	5	
	CL45	1.8	2.7	6	10	RT1J	113706	RT1RJ	114093	5	
		2.5	4.0	8	16	RT1K	113707	RT1RK	114094	5	
		4.0	6.3	12	20	RT1L	113708	RT1RL	114095	5	
		5.5	8.5	16	20	RT1M	113709	RT1RM	114096	5	
		8.0	12.0	20	25	RT1N	113710	RT1RN	114097	5	
		10.0	16.0	25	35	RT1P	113711	RT1RP	114098	5	
		14.5	18.0	32	50	RT1S	113712	RT1RS	114099	5	
		17.5	22.0	40	50	RT1T	113713	RT1RT	114100	5	
		21.0	26.0	40	63	RT1U	113714	RT1RU	114101	5	
		25.0	32.0	50	80	RT1V	113715	RT1RV	114102	5	
		30.0	40.0	63	100	RT1W	113716	RT1RW	114103	5	
	Class 10	CL05	11.5	15.0	32	35	RT2A	113717	RT2RA	114104	1
CL06		14.5	19.0	40	50	RT2B	113718	RT2RB	114105	1	
CL07		18.5	25.0	50	63	RT2C	113719	RT2RC	114106	1	
CL08		24.0	32.0	63	100	RT2D	113720	RT2RD	114107	1	
CL09		30.0	43.0	80	125	RT2E	113721	RT2RE	114108	1	
CL10		42.0	55.0	100	160	RT2G	113722	RT2RG	114109	1	
		54.0	65.0	125	160	RT2H	113723	RT2RH	114110	1	
		64.0	82.0	125	200	RT2J	113724	RT2RJ	114111	1	
		78.0	97.0	125	200	RT2L	113725	RT2RL	114112	1	
		90.0	110	160	250	RT2M	113726	RT2RM	114113	1	
Class 20	CL00	0.4	0.65	2	2	RT12D	139138	RT12RD	114060	5	
	CL01	0.65	1.1	2	4	RT12F	139139	RT12RF	114061	5	
	CL02	1	1.5	4	6	RT12G	139140	RT12RG	114062	5	
	CL25	1.3	1.9	4	6	RT12H	139141	RT12RH	114063	5	
	CL03	1.8	2.7	8	10	RT12J	139142	RT12RJ	114159	5	
	CL04	2.5	4.1	8	16	RT12K	113640	RT12RK	114114	5	
	CL45	4	6.3	12	20	RT12L	113641	RT12RL	114115	5	
		5.5	8.5	16	20	RT12M	113642	RT12RM	114116	5	
		8	12	20	35	RT12N	113643	RT12RN	114117	5	
		10	16	25	35	RT12P	113644	RT12RP	114118	5	
		14.5	18	32	50	RT12S	113645	RT12RS	114119	5	
		17.5	22	40	50	RT12T	113646	RT12RT	114120	5	
		21	26	40	63	RT12U	113647	RT12RU	114121	5	
		25	32	50	80	RT12V	113648	RT12RV	114122	5	
		30	40	63	100	RT12W	113649	RT12RW	114123	5	
		CL05	24	32	63	80	RT22D	113650	RT22RD	114124	1
		CL06	30	43	80	100	RT22E	113651	RT22RE	114125	1
		CL07	42	55	100	160	RT22G	113652	RT22RG	114126	1
		CL08	54	65	125	160	RT22H	113653	RT22RH	114127	1
		CL09	64	82	125	200	RT22J	113654	RT22RJ	114128	1
		CL10	78	97	125	200	RT22L	113655	RT22RL	114129	1
			90	110	160	250	RT22M	113656	RT22RM	114130	1

(1) Most suitable fuse in accordance with IEC 60947-4-1.

Order codes

A

B

C

D

E

F

G




H

I

X



Thermal overload relays for contactors

	For use with:	Setting range (regulation)		Fuses ⁽¹⁾		Cat.no. (Screw terminal)	Ref. no.	Pack		
		min.	max.	aM	gL - gG					
		A	A	A	A					
	Class 10 Direct mounting	CK75	55	80	125	200	RT3B	113727	1	
		CK08	63	90	125	200	RT3C	113728	1	
			90	120	160	250	RT3D	113729	1	
			110	140	200	315	RT3E	113730	1	
			140	190	250	355	RT3F	113731	1	
		CK85	120	190	250	315	RT4N	113732	1	
		CK09	175	280	315	400	RT4P	113733	1	
		CK95 ⁽²⁾	200	310	400	500	RT4R	113734	1	
		CK10	120	190	250	315	RT5A	113750	1	
		CK11	175	280	315	400	RT5B	113751	1	
		CK12 ⁽³⁾	250	400	500	630	RT5C	113752	1	
			315	500	630	800	RT5D	113753	1	
			430	700	800	1000	RT5E	113754	1	
		CK13 ⁽⁴⁾	500	850	100	1250	RT6A	113760	1	
	Class 20 Direct mounting	CK75	63	90	125	200	RT32C	113657	1	
		CK08	90	120	160	250	RT32D	113658	1	
			110	140	200	315	RT32E	113659	1	
			140	190	250	355	RT32F	113660	1	
	Class 30 Mounting with screws	CL...	2.5	4	10	16	RT4LA	113735	1	
		CK...	4	6.5	12	20	RT4LB	113736	1	
			5.5	8.5	16	25	RT4LC	113737	1	
			7.5	11	20	32	RT4LD	113738	1	
			10	16	25	40	RT4LE	113739	1	
			12.5	20	32	50	RT4LF	113740	1	
			17	27	50	80	RT4LG	113741	1	
			26	40	80	125	RT4LH	113742	1	
			32	52	100	160	RT4LJ	113743	1	
			45	70	125	160	RT4LK	113744	1	
			60	90	160	200	RT4LL	113745	1	
			80	125	200	250	RT4LM	113746	1	
			CK85	120	190	250	315	RT4LN	113747	1
			CK09	175	280	315	400	RT4LP	113748	1
			CK95 ⁽²⁾	200	310	400	500	RT4LR	113749	1
			CK10	120	190	250	315	RT5LA	113755	1
			CK11	175	280	315	400	RT5LB	113756	1
			CK12 ⁽³⁾	250	400	500	630	RT5LC	113757	1
				315	500	630	800	RT5LD	113758	1
		430	700	800	1000	RT5LE	113759	1		
	CK13 ⁽⁴⁾	500	850	1000	1250	RT6LA	113761	1		

(1) Most suitable fuse in accordance with IEC 60947-4-1.




(2) Fitting direct to the contactor.

(3) Fitting direct to the contactor: by means of a coupling and connection set.

Separate mounting: with screws on DIN rail / with cable connection.

(4) RT6A = RT1 with right setting range plus RTXP, independent mounting base adaptor, to be utilised with current transformer connected by passing cable chosen by customer. Current transformer data on request.

Accessories

			Cat. no.	Ref. no.	Pack
 <p>Base for separate mounting</p>	DIN EN50022-35				
	RT1		RTXP	105170	1
	RT2		RT2XP	113764	1
<hr/>					
<p>Setting range cover protection</p>	RT...		RTX3	113762	1
<hr/>					
 <p>Push-button with flexible cable</p>	for distance RESET				
	RT1... - RT6... (front)	0.5 meters	RTXS	113855	1
	RT1... - RT6... (front)	1 meters	RTXSL	113856	1
	RT1..., RT2..., RT4..., RT5..., RT6... (back)		RTXBS	108864	1
<hr/>					
<p>Terminal protection</p>	for RT3 or CK75C/CK08C				
	Thermal overload relay	1 pole IPxxB	PTPCK75	103747	1
	Connection contactor-relay	3 poles	RT3PXX3P	110565	1
<hr/>					
 <p>Remote electrical reset</p>	RT1... - RT6...		RTXRR ♦		1

Available coil voltages (V)

	♦	B	D	G	J	N	U	X
AC/DC		12	24	48	110	220	380	440
					240	415	480	

Order codes

A

B

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