

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 +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/Marking



cULus



CE



Lloyd's Register



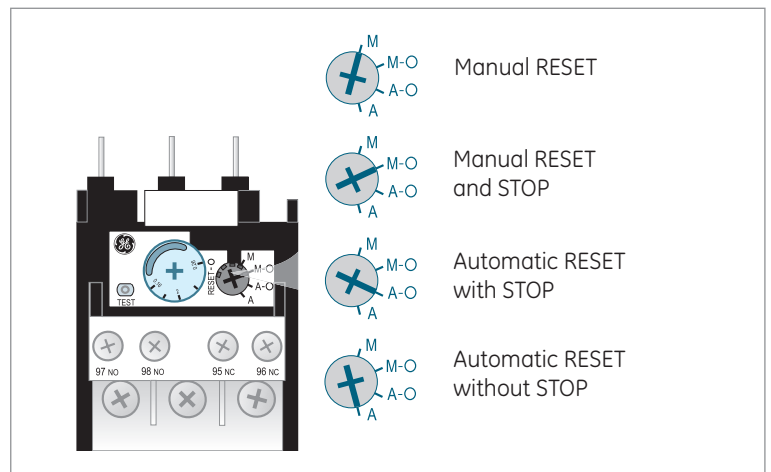
Bureau Veritas




RINA



(Contact GE for details)





Thermal overload relays for EC contactors



Class	For use with	Setting range		Fuses ⁽¹⁾		Box clamp terminals		Pack		
		Min. A	Max. A	AM A	gL-gG A	Cat. no.	Ref. no.			
Class 10A	EC09 EC12 EC18	0.16	0.26	2	2	ECRT1B10B	268996	5		
		0.25	0.41	2	2	ECRT1B10C	268997	5		
		0.40	0.65	2	2	ECRT1B10D	268998	5		
		0.65	1.10	2	4	ECRT1B10F	268999	5		
		1.00	1.50	4	6	ECRT1B10G	269000	5		
		1.30	1.90	4	6	ECRT1B10H	269001	5		
		1.80	2.70	6	10	ECRT1B10J	269002	5		
		2.50	4.00	8	16	ECRT1B10K	269003	5		
		4.00	6.30	12	20	ECRT1B10L	269004	5		
		5.50	8.50	16	20	ECRT1B10M	269005	5		
		8.00	12.00	20	25	ECRT1B10N	269006	5		
		10.00	16.00	25	35	ECRT1B10P	269007	5		
		14.50	18.00	32	50	ECRT1B10S	269008	5		
		17.50	22.00	40	63	ECRT1B10T	269009	5		
		Class 10A	EC25 EC32 EC40	8.00	12.00	20	25	ECRT2B10N	268103	5
				10.00	16.00	25	35	ECRT2B10P	268104	5
				14.50	18.00	32	50	ECRT2B10S	268105	5
17.50	22.00			40	63	ECRT2B10T	268106	5		
21.00	26.00			40	63	ECRT2B10U	268107	5		
25.00	32.00			50	80	ECRT2B10V	268108	5		
30.00	40.00			63	100	ECRT2B10W	268109	5		

Thermal overload relays for contactors

Class	For use with	Setting range (regulation)		Fuses ⁽¹⁾		Screw terminal		Ring terminal		Pack
		Min. A	Max. A	AM A	gL-gG A	Cat. no.	Ref. no.	Cat. no.	Ref. no.	
Class 10A	CL00 CL01 CL02 CL03 CL04 CL05	0.16	0.26	2	2	RT1B	113700	RT1RB	114087	5
		0.25	0.41	2	2	RT1C	113701	RT1RC	114131	5
		0.4	0.65	2	2	RT1D	113702	RT1RD	114089	5
		0.65	1.1	2	4	RT1F	113703	RT1RF	114090	5
		1.0	1.5	4	6	RT1G	113704	RT1RG	114091	5
		1.3	1.9	4	6	RT1H	113705	RT1RH	114092	5
		1.8	2.7	6	10	RT1J	113706	RT1RJ	114093	5
		2.5	4.1	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	CL07 CL08 CL09 CL10 EF50 EF65 EF80 EF95 EF105	11.5	15.0	32	35	RT2A	113717	RT2RA	114104	1
		14.5	19.0	40	50	RT2B	113718	RT2RB	114132	1
		18.5	25.0	50	63	RT2C	113719	RT2RC	114106	1
		24.0	32.0	63	100	RT2D	113720	RT2RD	114133	1
		30.0	43.0	80	125	RT2E	113721	RT2RE	114134	1
		42.0	55.0	100	160	RT2G	113722	RT2RG	114109	1
		54.0	65.0	125	160	RT2H	113723	RT2RH	114146	1
		64.0	82.0	125	200	RT2J	113724	RT2RJ	114136	1
		78.0	97.0	125	200	RT2L	113725	RT2RL	114235	1
		90.0	110	160	250	RT2M	113726	RT2RM	114113	1

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

(continued on page A.56)



Thermal overload relays for contactors (continued)



	For use with:	Setting range (regulation)		Fuses ⁽¹⁾		Screw terminal		Pack
		Min. A A	Max. A A	AM A	gL-GG A	Cat. no.	Ref. no.	
Class 10	CK75 CK08 Direct mounting	55	80	125	200	RT3B	113727	1
		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 CK09 CK95 ⁽²⁾	120	190	250	315	RT4N	113732	1
		175	280	315	400	RT4P	113733	1
		200	310	400	500	RT4R	113734	1
	CK10 CK11 CK12 ⁽²⁾	120	190	250	315	RT5A	113750	1
		175	280	315	400	RT5B	113751	1
		250	400	500	630	RT5C	113752	1
		315	500	630	800	RT5D	113753	1
430		700	800	1000	RT5E	113754	1	
CK13	500	850	100	1250	RT6A	113760	1	
Class 20	CK75 CK08 Direct mounting	63	90	125	200	RT32C	113657	1
		90	120	160	250	RT32D	113658	1
		110	140	200	315	RT32E	113659	1
		140	190	250	355	RT32F	113660	1
Class 30	CL... CK... Mounting with screws	2.5	4	10	16	RT4LA	113735	1
		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 CK09 CK95 ⁽²⁾	120	190	250	315	RT4LN	113747
	175		280	315	400	RT4LP	113748	1
	200		310	400	500	RT4LR	113749	1
	CK10 CK11 CK12 ⁽²⁾	120	190	250	315	RT5LA	113755	1
		175	280	315	400	RT5LB	113756	1
		250	400	500	630	RT5LC	113757	1
		315	500	630	800	RT5LD	113758	1
		430	700	800	1000	RT5LE	113759	1
CK13	500	850	1000	1250	RT6LA	113761	1	

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

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

Accessories



Use with	Description	Cat. no.	Ref. no.	Pack
Base for separate mounting				
ECRT1	DIN EN50022-35	ECRT1BS	268963	1
ECRT2	DIN EN50022-35	ECRT2BS	268964	1

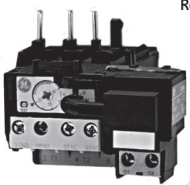
RT1	DIN EN50022-35	RTXP	105170	1
RT2	DIN EN50022-35	RT2XP	113764	1

Setting range cover protection	RT...	RTX3	113762	1
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Push-button with flexible cable	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

Terminal protection	for RT3 or CK75C/CK08C			
	Thermal overload relay	pole IPxxB	PTPCK75	103747



Remote electrical reset	RT1... - RT6...	RTXRR ♦	-	1
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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

Intro

A

B

C

D

E

F

G

H

I

X

