

Series RT - Thermal overload relays

Thermal overload relays for contactors series CL and CK
from 0.16 to 850A

Class 10A, 10, 20, 30



Features and benefits

- 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

High Available Short Circuit Ratings for C-2000 Contactors, Overload Relays, and Starters. The following catalog numbers are suitable for use on a circuit capable of Delivering Not More Than 100,000 RMS Symmetrical Amperes, 600V maximum, when protected by Class J or Class L fuses with maximum ampere rating as shown below. These ratings apply to devices used individually; when used together as Starters, the maximum fuse size must be the lower of the two components, and the minimum enclosure size must be the larger volume of the two components.

CONTACTOR		FUSE	Minimum
Catalog Number	Max. FLA	Maximum Fuse Size, Class J or L (A)	Enclosure Volume (cu in)
CL00	11.0	40	420
CL01	11.0	40	420
CL02	17.5	40	420
CL25	22.0	45	420
CL03	25.3	70	420
CL04	32.2	70	420
CL45	34.0	70	420
CL05	42.0	125	420
CL06	48.3	125	420
CL07	62.1	125	420
CL08	68.0	125	420
CL09	77.0	200	420
CL10	96.0	200	420
CK75C	124	300	3,528
CK08C	156	300	3,528
CK08B	156	450	11,960
CK85B	192	450	11,960
CK09B	180	450	11,960
CK95B	302	450	11,960
CK10C	382	600	11,960
CK11C	480	600	11,960

OVERLOAD RELAY		FUSE	Minimum
Catalog Number	FLA Range	Maximum Fuse Size, Class J or L (A)	Enclosure Volume (cu in)
RT1B, RT12B	0.16-0.26	1	420
RT1C, RT12C	0.25-0.41	1	420
RT1D, RT12D	0.40-0.65	1	420
RT1F, RT12F	0.65-1.10	3	420
RT1G, RT12G	1.0-1.5	6	420
RT1H, RT12H	1.3-1.9	6	420
RT1J, RT12J	1.8-2.7	10	420
RT1K, RT12K	2.5-4.1	15	420
RT1L, RT12L	4.0-6.3	25	420
RT1M, RT12M	5.5-8.5	30	420
RT1N, RT12N	8.0-12.0	45	420
RT1P, RT12P	10.0-16	60	420
RT1S, RT12S	14.5-18	70	420
RT1T, RT12T	17.5-22.0	70	420
RT1U, RT12U	21.0-26.0	70	420
RT1V, RT12V	25.0-32.0	70	420
RT1W, RT12W	30.0-40.0	70	420
RT2A, RT22A	11.5-15.0	60	420
RT2B, RT22B	14.5-19.0	70	420
RT2C, RT22C	18.5-25.0	100	420
RT2D, RT22D	24.0-32.0	125	420
RT2E, RT22E	30.0-43.0	150	420
RT2G, RT22G	42.0-55.0	200	420
RT2H, RT22H	54.0-65.0	200	420
RT2J, RT22J	64.0-82.0	200	420
RT2L, RT22L	78.0-97.0	200	420
RT2M, RT22M	90-110	200	420
RT3PB, RT32PB	55.0-80.0	300	11,960
RT3PC, RT32PC	63.0-90.0	350	11,960
RT3PD, RT32PD	90.0-120.0	450	11,960
RT3PE, RT32PE	110.0-140.0	450	11,960
RT3PF, RT32PF	140.0-190.0	450	11,960
RT4N, RT4LN	120.0-190.0	700	11,960
RT4P, RT4LP	175.0-280.0	1000	11,960
RT4R, RT4LR	200.0-310.0	1200	11,960
RT5A, RT5LA	120.0-190.0	700	11,960
RT5B, RT5LB	175.0-280.0	1000	11,960
RT5C, RT5LC	250.0-400.0	1600	11,960
RT5D, RT5LD	315.0-500.0	2000	11,960
RT5E, RT5LE	430.0-650.0	2500	11,960