

IEC Power Devices

IEC Contactors Thermal Overload Relays

C-2000

Section 5

RT3 - Direct or Panel Mount

Overload Relay for use with Contactors ¹	Current Range Amps (min-max)	Reset Type	Trip Class	Maximum Fuse Rating Amps	Maximum Circuit Breaker Rating Amps	Product Number
CK75, CK08	55-80	Manual	Class 10	225	200	RTN3B
CK75, CK08	63-90	Manual	Class 10	250	225	RTN3C
CK75, CK08	90-120	Manual	Class 10	350	300	RTN3D
CK75, CK08	110-140	Manual	Class 10	400	350	RTN3E
CK08	140-190	Manual	Class 10	450	500	RTN3F
CK75, CK08	55-80	Manual/Auto	Class 10	225	200	RT3B
CK75, CK08	63-90	Manual/Auto	Class 10	250	225	RT3C
CK75, CK08	90-120	Manual/Auto	Class 10	350	300	RT3D
CK75, CK08	110-140	Manual/Auto	Class 10	400	350	RT3E
CK08	140-190	Manual/Auto	Class 10	450	500	RT3F
CK75, CK08	63-90	Manual/Auto	Class 20	250	225	RT32C
CK75, CK08	90-120	Manual/Auto	Class 20	350	300	RT32D
CK75, CK08	110-140	Manual/Auto	Class 20	400	350	RT32E
CK08	140-190	Manual/Auto	Class 20	450	500	RT32F

¹Do not exceed contactor current rating when selecting and adjusting overload relays.

RT4 - Separate Mount

Overload Relay for use with Contactors ¹	Current Range Amps (min-max)	Reset Type	Trip Class	Terminal Type	Maximum Fuse Rating Amps	Maximum Circuit Breaker Rating Amps	Product Number	GO-10C2
CK09, CK95	120-190	Manual	Class 10	Bus bar ²	600	500	RTN4N	
CK09, CK95	175-280	Manual	Class 10	Bus bar ²	800	700	RTN4P	
CK95	200-310	Manual	Class 10	Bus bar ²	900	800	RTN4R	
CK09, CK95	120-190	Manual/Auto	Class 10	Bus bar ²	600	500	RT4N	
CK09, CK95	175-280	Manual/Auto	Class 10	Bus bar ²	800	700	RT4P	
CK95	200-310	Manual/Auto	Class 10	Bus bar ²	900	800	RT4R	
CK09, CK95	45-70	Manual/Auto	Class 30	Clamp	225	175	RT4LK	
CK09, CK95	60-90	Manual/Auto	Class 30	Clamp	300	225	RT4LL	
CK09, CK95	80-125	Manual/Auto	Class 30	Clamp	400	350	RT4LM	
CK09, CK95	120-190	Manual/Auto	Class 30	Bus bar ²	600	500	RT4LN	
CK09, CK95	175-280	Manual/Auto	Class 30	Bus bar ²	800	700	RT4LP	
CK95	200-310	Manual/Auto	Class 30	Bus bar ²	900	800	RT4LR	

¹Do not exceed contactor current rating when selecting and adjusting overload relays.

²Can be mounted to contactor with Overload Jumpers (listed on page 5-47) and Base Plate (CKXB01) (listed on page 5-47).

RT5 - Separate Mount²

Overload Relay for use with Contactors ¹	Current Range Amps (min-max)	Reset Type	Trip Class	Maximum Fuse Rating Amps	Maximum Circuit Breaker Rating Amps	Product Number
CK10, CK11, CK12	120-190	Manual	Class 10	800	500	RTN5A
CK10, CK11, CK12	175-280	Manual	Class 10	1200	700	RTN5B ³
CK10, CK11, CK12	250-400	Manual	Class 10	1200	1000	RTN5C ³
CK10, CK11, CK12	315-500	Manual	Class 10	1200	1200	RTN5D ³
CK11, CK12.4	30-650	Manual	Class 10	1200	1200	RTN5E ³
CK10, CK11, CK12	120-190	Manual/Auto	Class 10	800	500	RT5A
CK10, CK11, CK12	175-280	Manual/Auto	Class 10	1200	700	RT5B ³
CK10, CK11, CK12	250-400	Manual/Auto	Class 10	1200	1000	RT5C ³
CK10, CK11, CK12	315-500	Manual/Auto	Class 10	1200	1200	RT5D ³
CK11, CK12.4	30-650	Manual/Auto	Class 10	1200	1200	RT5E ³
CK10, CK11, CK12	120-190	Manual/Auto	Class 30	800	500	RT5LA
CK10, CK11, CK12	175-280	Manual/Auto	Class 30	1200	700	RT5LB
CK10, CK11, CK12	250-400	Manual/Auto	Class 30	1200	1000	RT5LC
CK10, CK11, CK12	315-500	Manual/Auto	Class 30	1200	1200	RT5LD
CK11, CK12	430-650	Manual/Auto	Class 30	1200	1200	RT5LE

¹Do not exceed contactor current rating when selecting and adjusting overload relays.

²Can be mounted to contactor with Overload Jumpers (listed on page 5-47).

³Maximum fuse rating of 1000 amps/maximum circuit breaker rating of 600 amps when used with CK10CE or CK11CE contactors. Use CK10BE or CK11BE with higher rated protective devices indicated. CK12BE suitable for all ratings listed.



Product Number Selection Instructions: See page 5-37

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RT1 - Direct Mount Manual

Overload Relay for use with Contactors ¹	Current Range Amps (min-max)	Reset Type	Trip Class	Maximum Fuse Rating Amps	Maximum Circuit Breaker Rating Amps	Product Number	GO-10C2
CL00, CL01, CL02, CL25, CL04, CL45	0.16-0.26	Manual	Class 10	1	15	RTN1B	
CL00, CL01, CL02, CL25, CL04, CL45	0.25-0.41	Manual	Class 10	1	15	RTN1C	
CL00, CL01, CL02, CL25, CL04, CL45	0.4-0.65	Manual	Class 10	3	15	RTN1D	
CL00, CL01, CL02, CL25, CL04, CL45	0.65-1.1	Manual	Class 10	6	15	RTN1F	
CL00, CL01, CL02, CL25, CL04, CL45	1-1.5	Manual	Class 10	6	15	RTN1G	
CL00, CL01, CL02, CL25, CL04, CL45	1.3-1.9	Manual	Class 10	6	15	RTN1H	
CL00, CL01, CL02, CL25, CL04, CL45	1.8-2.7	Manual	Class 10	10	15	RTN1J	
CL00, CL01, CL02, CL25, CL04, CL45	2.5-4.1	Manual	Class 10	15	15	RTN1K	
CL00, CL01, CL02, CL25, CL04, CL45	4-6.3	Manual	Class 10	20	15	RTN1L	
CL00, CL01, CL02, CL25, CL04, CL45	5.5-8.5	Manual	Class 10	25	15	RTN1M	
CL00, CL01, CL02, CL25, CL04, CL45	8.0-12.0	Manual	Class 10	40	30	RTN1N	
CL01, CL02, CL25, CL04, CL45	10.0-16.0	Manual	Class 10	50	35	RTN1P	
CL02, CL25, CL04, CL45	14.5-18	Manual	Class 10	60	40	RTN1S	
CL25, CL04, CL45	17.5-22	Manual	Class 10	70	50	RTN1T	
CL04, CL45	21-26	Manual	Class 10	80	60	RTN1U	
CL04, CL45	25-32	Manual	Class 10	100	80	RTN1V	
CL45	30-40	Manual	Class 10	100	80	RTN1W	

RT1 - Direct Mount Manual/Auto

Overload Relay for use with Contactors ¹	Current Range Amps (min-max)	Reset Type	Trip Class	Maximum Fuse Rating Amps	Maximum Circuit Breaker Rating Amps	Product Number	GO-10C2
CL00, CL01, CL02, CL25, CL04, CL45	0.16-0.26	Manual/Auto w/wo stop	Class 10	1	15	RT1B	
CL00, CL01, CL02, CL25, CL04, CL45	0.25-0.41	Manual/Auto w/wo stop	Class 10	1	15	RT1C	
CL00, CL01, CL02, CL25, CL04, CL45	0.4-0.65	Manual/Auto w/wo stop	Class 10	3	15	RT1D	
CL00, CL01, CL02, CL25, CL04, CL45	0.65-1.1	Manual/Auto w/wo stop	Class 10	6	15	RT1F	
CL00, CL01, CL02, CL25, CL04, CL45	1-1.5	Manual/Auto w/wo stop	Class 10	6	15	RT1G	
CL00, CL01, CL02, CL25, CL04, CL45	1.3-1.9	Manual/Auto w/wo stop	Class 10	6	15	RT1H	
CL00, CL01, CL02, CL25, CL04, CL45	1.8-2.7	Manual/Auto w/wo stop	Class 10	10	15	RT1J	
CL00, CL01, CL02, CL25, CL04, CL45	2.5-4.1	Manual/Auto w/wo stop	Class 10	15	15	RT1K	
CL00, CL01, CL02, CL25, CL04, CL45	4-6.3	Manual/Auto w/wo stop	Class 10	20	15	RT1L	
CL00, CL01, CL02, CL25, CL04, CL45	5.5-8.5	Manual/Auto w/wo stop	Class 10	25	15	RT1M	
CL00, CL01, CL02, CL25, CL04, CL45	8.0-12.0	Manual/Auto w/wo stop	Class 10	40	30	RT1N	
CL01, CL02, CL25, CL04, CL45	10.0-16.0	Manual/Auto w/wo stop	Class 10	50	35	RT1P	
CL02, CL25, CL04, CL45	14.5-18	Manual/Auto w/wo stop	Class 10	60	40	RT1S	
CL25, CL04, CL45	17.5-22	Manual/Auto w/wo stop	Class 10	70	50	RT1T	
CL04, CL45	21-26	Manual/Auto w/wo stop	Class 10	80	60	RT1U	
CL04, CL45	25-32	Manual/Auto w/wo stop	Class 10	100	80	RT1V	
CL45	30-40	Manual/Auto w/wo stop	Class 10	100	80	RT1W	
CL00, CL01, CL02, CL25, CL04, CL45	0.4-0.65	Manual/Auto w/wo stop	Class 20	3	15	RT12D	
CL00, CL01, CL02, CL25, CL04, CL45	0.65-1.1	Manual/Auto w/wo stop	Class 20	6	15	RT12F	
CL00, CL01, CL02, CL25, CL04, CL45	1-1.5	Manual/Auto w/wo stop	Class 20	6	15	RT12G	
CL00, CL01, CL02, CL25, CL04, CL45	1.3-1.9	Manual/Auto w/wo stop	Class 20	6	15	RT12H	
CL00, CL01, CL02, CL25, CL04, CL45	2.5-4.1	Manual/Auto w/wo stop	Class 20	15	15	RT12K	
CL00, CL01, CL02, CL25, CL04, CL45	4-6.3	Manual/Auto w/wo stop	Class 20	20	15	RT12L	
CL00, CL01, CL02, CL25, CL04, CL45	5.5-8.5	Manual/Auto w/wo stop	Class 20	25	15	RT12M	
CL00, CL01, CL02, CL25, CL04, CL45	8.0-12.0	Manual/Auto w/wo stop	Class 20	40	30	RT12N	
CL01, CL02, CL25, CL04, CL45	10.0-16.0	Manual/Auto w/wo stop	Class 20	50	35	RT12P	
CL02, CL25, CL04, CL45	14.5-18	Manual/Auto w/wo stop	Class 20	60	40	RT12S	
CL25, CL04, CL45	17.5-22	Manual/Auto w/wo stop	Class 20	70	50	RT12T	
CL04, CL45	21-26	Manual/Auto w/wo stop	Class 20	80	60	RT12U	
CL04, CL45	25-32	Manual/Auto w/wo stop	Class 20	100	80	RT12V	
CL45	30-40	Manual/Auto w/wo stop	Class 20	100	80	RT12W	

¹Do not exceed contactor current rating when selecting and adjusting overload relays. For panel mount use base adapter RTXP.



Product Number Selection Instructions: See page 5-37

IEC Power Devices

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Section 5

RT1 - Direct Mount Manual

Overload Relay for use with Contactors ¹	Current Range Amps (min-max)	Reset Type	Trip Class	Maximum Fuse Rating Amps	Maximum Circuit Breaker Rating Amps	Product Number	GO-10C2
CL00, CL01, CL02, CL25, CL04, CL45	0.16-0.26	Manual	Class 10	1	15	RTN1B	
CL00, CL01, CL02, CL25, CL04, CL45	0.25-0.41	Manual	Class 10	1	15	RTN1C	
CL00, CL01, CL02, CL25, CL04, CL45	0.4-0.65	Manual	Class 10	3	15	RTN1D	
CL00, CL01, CL02, CL25, CL04, CL45	0.65-1.1	Manual	Class 10	6	15	RTN1F	
CL00, CL01, CL02, CL25, CL04, CL45	1-1.5	Manual	Class 10	6	15	RTN1G	
CL00, CL01, CL02, CL25, CL04, CL45	1.3-1.9	Manual	Class 10	6	15	RTN1H	
CL00, CL01, CL02, CL25, CL04, CL45	1.8-2.7	Manual	Class 10	10	15	RTN1J	
CL00, CL01, CL02, CL25, CL04, CL45	2.5-4.1	Manual	Class 10	15	15	RTN1K	
CL00, CL01, CL02, CL25, CL04, CL45	4-6.3	Manual	Class 10	20	15	RTN1L	
CL00, CL01, CL02, CL25, CL04, CL45	5.5-8.5	Manual	Class 10	25	15	RTN1M	
CL00, CL01, CL02, CL25, CL04, CL45	8.0-12.0	Manual	Class 10	40	30	RTN1N	
CL01, CL02, CL25, CL04, CL45	10.0-16.0	Manual	Class 10	50	35	RTN1P	
CL02, CL25, CL04, CL45	14.5-18	Manual	Class 10	60	40	RTN1S	
CL25, CL04, CL45	17.5-22	Manual	Class 10	70	50	RTN1T	
CL04, CL45	21-26	Manual	Class 10	80	60	RTN1U	
CL04, CL45	25-32	Manual	Class 10	100	80	RTN1V	
CL45	30-40	Manual	Class 10	100	80	RTN1W	

RT1 - Direct Mount Manual/Auto

Overload Relay for use with Contactors ¹	Current Range Amps (min-max)	Reset Type	Trip Class	Maximum Fuse Rating Amps	Maximum Circuit Breaker Rating Amps	Product Number	GO-10C2
CL00, CL01, CL02, CL25, CL04, CL45	0.16-0.26	Manual/Auto w/wo stop	Class 10	1	15	RT1B	
CL00, CL01, CL02, CL25, CL04, CL45	0.25-0.41	Manual/Auto w/wo stop	Class 10	1	15	RT1C	
CL00, CL01, CL02, CL25, CL04, CL45	0.4-0.65	Manual/Auto w/wo stop	Class 10	3	15	RT1D	
CL00, CL01, CL02, CL25, CL04, CL45	0.65-1.1	Manual/Auto w/wo stop	Class 10	6	15	RT1F	
CL00, CL01, CL02, CL25, CL04, CL45	1-1.5	Manual/Auto w/wo stop	Class 10	6	15	RT1G	
CL00, CL01, CL02, CL25, CL04, CL45	1.3-1.9	Manual/Auto w/wo stop	Class 10	6	15	RT1H	
CL00, CL01, CL02, CL25, CL04, CL45	1.8-2.7	Manual/Auto w/wo stop	Class 10	10	15	RT1J	
CL00, CL01, CL02, CL25, CL04, CL45	2.5-4.1	Manual/Auto w/wo stop	Class 10	15	15	RT1K	
CL00, CL01, CL02, CL25, CL04, CL45	4-6.3	Manual/Auto w/wo stop	Class 10	20	15	RT1L	
CL00, CL01, CL02, CL25, CL04, CL45	5.5-8.5	Manual/Auto w/wo stop	Class 10	25	15	RT1M	
CL00, CL01, CL02, CL25, CL04, CL45	8.0-12.0	Manual/Auto w/wo stop	Class 10	40	30	RT1N	
CL01, CL02, CL25, CL04, CL45	10.0-16.0	Manual/Auto w/wo stop	Class 10	50	35	RT1P	
CL02, CL25, CL04, CL45	14.5-18	Manual/Auto w/wo stop	Class 10	60	40	RT1S	
CL25, CL04, CL45	17.5-22	Manual/Auto w/wo stop	Class 10	70	50	RT1T	
CL04, CL45	21-26	Manual/Auto w/wo stop	Class 10	80	60	RT1U	
CL04, CL45	25-32	Manual/Auto w/wo stop	Class 10	100	80	RT1V	
CL45	30-40	Manual/Auto w/wo stop	Class 10	100	80	RT1W	
CL00, CL01, CL02, CL25, CL04, CL45	0.4-0.65	Manual/Auto w/wo stop	Class 20	3	15	RT12D	
CL00, CL01, CL02, CL25, CL04, CL45	0.65-1.1	Manual/Auto w/wo stop	Class 20	6	15	RT12F	
CL00, CL01, CL02, CL25, CL04, CL45	1-1.5	Manual/Auto w/wo stop	Class 20	6	15	RT12G	
CL00, CL01, CL02, CL25, CL04, CL45	1.3-1.9	Manual/Auto w/wo stop	Class 20	6	15	RT12H	
CL00, CL01, CL02, CL25, CL04, CL45	2.5-4.1	Manual/Auto w/wo stop	Class 20	15	15	RT12K	
CL00, CL01, CL02, CL25, CL04, CL45	4-6.3	Manual/Auto w/wo stop	Class 20	20	15	RT12L	
CL00, CL01, CL02, CL25, CL04, CL45	5.5-8.5	Manual/Auto w/wo stop	Class 20	25	15	RT12M	
CL00, CL01, CL02, CL25, CL04, CL45	8.0-12.0	Manual/Auto w/wo stop	Class 20	40	30	RT12N	
CL01, CL02, CL25, CL04, CL45	10.0-16.0	Manual/Auto w/wo stop	Class 20	50	35	RT12P	
CL02, CL25, CL04, CL45	14.5-18	Manual/Auto w/wo stop	Class 20	60	40	RT12S	
CL25, CL04, CL45	17.5-22	Manual/Auto w/wo stop	Class 20	70	50	RT12T	
CL04, CL45	21-26	Manual/Auto w/wo stop	Class 20	80	60	RT12U	
CL04, CL45	25-32	Manual/Auto w/wo stop	Class 20	100	80	RT12V	
CL45	30-40	Manual/Auto w/wo stop	Class 20	100	80	RT12W	

¹Do not exceed contactor current rating when selecting and adjusting overload relays. For panel mount use base adapter RTXP.



Product Number Selection Instructions: See page 5-37