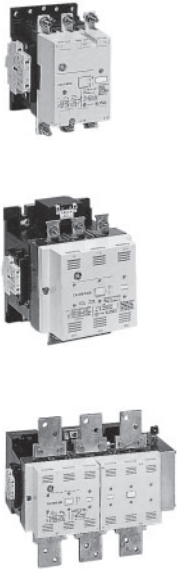


Three pole contactors



Max.oper.current		Admissible power AC3					Electrical endurance	Control circuit: Alternating current		Control circuit: A.C. / D.C.	
Non-inductive loads	Motors <440V, 3 ~ 50/60Hz	220V 230V	380V 400V	415V 440V	440V 440V	500V		Cat. AC3 Operations	Cat. no. (1)	Pack	Cat. no. (1)
AC1 A	AC3 A	kW HP	kW HP	kW HP	kW HP	kW HP		Ref. no. see bottom		Ref. no. see bottom	
250	150	45 60	75 100	80 108	80 108	100 135	1.7x10 <sup>6</sup>	CK75CA311 ♦	1	CK75CE311 ♦	1
250	185	55 75	90 125	100 135	100 135	110 150	1.2x10 <sup>6</sup>	CK08CA311 ♦	1	CK08CE311 ♦	1
315	205	65 88	110 150	125 170	125 170	132 180	1.7x10 <sup>6</sup>	CK85BA311 ♦	1	CK85BE311 ♦	1
315	250	75 100	132 180	132 180	132 180	160 220	1.5x10 <sup>6</sup>	-		CK09BE311 ♦	1
450	309	90 125	160 220	160 220	185 250	200 270	1.1x10 <sup>6</sup>	-		CK95BE311 ♦	1
600	420	125 170	220 300	230 312	230 312	300 405	1x10 <sup>6</sup>	-		CK10CE311 ♦	1
700	550	160 220	280 380	315 425	315 425	400 540	0.8x10 <sup>6</sup>	-		CK11CE311 ♦	1
1000	700	220 300	375 510	400 540	425 580	480 650	0.7x10 <sup>6</sup>	-		CK12BE311 ♦	1
1250	825	250 340	450 610	450 610	450 610	500 680	0.7x10 <sup>6</sup> (2)	CK13BA311 ♦	1	-	

Spare coil	CK75CA3 ... CK08CA3	C12168 ♦	1	-
	CK85BA3	C04255 ♦	1	-
	CK13BA3	C08998 ♦	1	-
	Control circuit with incorporated rectifier bridge CK13BA3	C09120 ♦	1	-
Coil	CK75CE3 ... CK08CE3	-		KB4E ♦ 1
	CK85BE3 ... CK95BE3	-		KB5E ♦ 1
	CK12BE3	-		KB6E ♦ 1
Electronic module	CK10CE3 ... CK11CE3	-		KB7E ♦ 1
	CK75CE3 ... CK08CE3	-		KM4E ♦ 1
	CK85BE3 ... CK95BE3	-		KM5E ♦ 1
	CK12BE3	-		KM6E ♦ 1
	CK10CE3 ... CK11CE3	-		KM7E ♦ 1

- (1) To complete the catalogue number, replace the symbol ♦ by the code corresponding to the voltage and frequency of the control circuit (see A.62).  
 (2) CK13 non allow the aux. block in right side.

Order codes

Intro

A

B

C

D

E

F

G

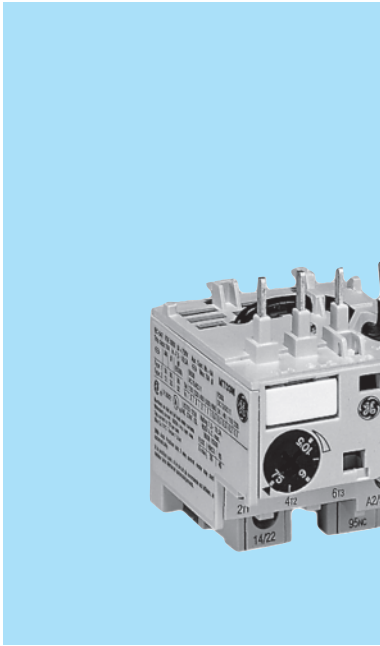
H

I

J/X

For reference numbers, see chapter X, pg. X.5





## Thermal overload relays for contactors from 0.11 to 14A

- Control circuit up to 690V
- Power circuit up to 690V
- Three-pole differential (phase unbalance protection)
- Automatic ambient temperature compensation between -25°C and +60°C
- Choice of manual or automatic reset
- Direct connection to contactor or independent mounting using accessories.
- Screw and Ring terminal versions
- Terminals protected against accidental contact in accordance with VDE 0106 T.100 and VBG4.
- Terminal numbering in accordance with EN 50005
- Degree of protection IP20 (EN 60529)
- Additional auxiliary contact block 1NO (with manual reset only)

### 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

### Approvals/Marking



### General characteristics

- Thermal protection against balanced overload.
- Three-pole differential (phase unbalance protection).
- Automatic ambient temperature compensation.
- Front mounted selector for choosing utilisation current.
- Reset button, 2 positions :  
Manual(H) and Automatic(A) by turning the blue selector.
- Stop push button, independent of reset (red).
- Manual trip lever (tripping test).
- Tripping indicator (0-1).
- To facilitate wiring arrangements terminal 96 fits directly onto coil terminal (A2) and terminal 14/22 fits directly onto the feedback auxiliary contact.

Order codes ● pg. A.69  
 Technical data ● pg. A.120  
 Dimensions ● pg. A.121






Thermal overload relays for contactors



For use with:	Setting range (regulation)		Fuse				Terminal: screw		Terminal: ring terminal		Pack
			aM		gL		Cat. no.	Ref. no.	Cat. no.	Ref. no.	
			Type 2	Type 1	Type 2	Type 1					
	min. A	max. A	A	A	A	A					
MC0...	0.11	0.17	0.5	0.5	0.5	0.5	MT03A	101000	MT03RA	103540	10
MC1...	0.17	0.26	0.85	1	1	1	MT03B	101001	MT03RB	103541	10
MC2...	0.26	0.43	1	2	2	4	MT03C	101002	MT03RC	103542	10
	0.43	0.65	1	4	2	8	MT03D	101003	MT03RD	103543	10
	0.65	1	2	6	4	12	MT03E	101004	MT03RE	103544	10
	0.85	1.3	2	6	4	12	MT03F	101005	MT03RF	103545	10
	1.1	1.6	2	10	4	16	MT03G	101006	MT03RG	103546	10
	1.35	2	4	10	6	16	MT03H	101007	MT03RH	103547	10
	1.7	2.4	4	16	6	25	MT03I	101008	MT03RI	103548	10
	2.2	3.2	4	20	6	32	MT03J	101009	MT03RJ	103549	10
	2.5	4	4	20	6	32	MT03R	101015			10
	3	4.7	6	20	10	32	MT03K	101010	MT03RK	103550	10
	4	6.3	10	32	16	50	MT03L	101011	MT03RL	103551	10
	5.5	8	12	50	20	63	MT03M	101012	MT03RM	103552	10
	7.5	10.5	16	50	25	80	MT03N	101013	MT03RN	103553	10
	10	14	20	32	32	100	MT03P	101014	MT03RP	103554	10

Accessories

		Terminal	Cat. no.	Ref. no.	Pack	
	Input terminals	Screw	MVE0T	101020	5	
		Ring terminal	MVE0R	103562	5	
	Base	For separate mounting onto standard EN 50022-35 profile	MVB0T	101021	5	
	Auxiliary contact block	Frontal fixing to the relay	Screw	MATV10AT	101022	10
		With trip indicator (0-I)	Ring terminal	MATV10AR	103563	10
		One block per relay and only for manual reset				
Identification	Sheets of labels (sheets of 260 labels each) Labeling plate base (50 pieces in one pack)		EAT 260	100548	1	
			SPR	100549	1	

Order codes

Intro

A

B

C

D

E

F

G

H

I

J/X

