



KSA

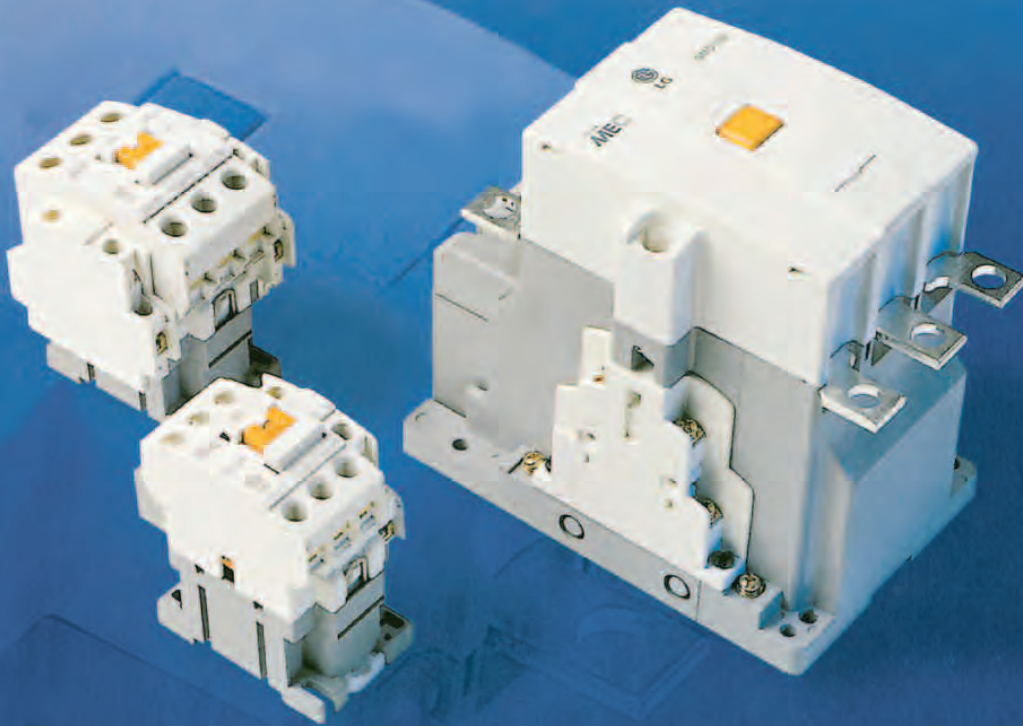


KSA



META MEC

CONTACTORS & THERMAL OVERLOAD RELAYS



Parts Specialists Inc.



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Select the contactor and overload relay that meets your application...

Contactor Technical Information



Specification		Contactor Type	GMC 9	GMC 12	GMC 18	GMC 22	GMC 32	GMC 40	GMC 50	GMC 65	GMC 75	GMC 85	GMC 100	GMC 125	GMC 150	GMC 180	GMC 220	GMC 300	GMC 400	GMC 600	GMC 800		
IEC-947	AC 1 DUTY		20A	25A	30A	32A	50A	60A	80A	100A	110A	135A	160A	160A	210A	230A	275A	350A	450A	660A	840A		
	AC 2B DUTY	200-240V	11A	13A	18A	22A	32A	40A	55A	65A	75A	85A	100A	125A	150A	180A	220A	300A	400A	630A	800A		
		380-440V	9A	12A	18A	22A	32A	40A	50A	60A	75A	85A	100A	120A	150A	180A	220A	300A	400A	630A	800A		
		500-550V	7A	12A	13A	22A	28A	32A	43A	60A	64A	75A	80A	90A	140A	180A	200A	250A	350A	500A	720A		
	AC 3 DUTY	200-240V	11A	13A	18A	22A	32A	40A	55A	65A	75A	85A	105A	125A	150A	180A	250A	300A	400A	630A	800A		
		380-440V	9A	12A	18A	22A	32A	40A	50A	65A	75A	85A	105A	120A	150A	180A	250A	300A	400A	630A	800A		
		500-550V	7A	12A	13A	22A	28A	32A	43A	60A	64A	75A	85A	90A	140A	180A	200A	250A	350A	500A	720A		
	AC 4 DUTY	690V	5A	9A	9A	18A	21A	25A	33A	42A	47A	52A	65A	70A	100A	120A	150A	200A	300A	420A	630A		
		200-220V	6A	11A	18A	18A	20A	25A	35A	50A	55A	65A	80A	93A	125A	150A	180A	220A	300A	400A	630A		
	UL-508	MAX. HP	115V (1PH)	0.5	0.5	1	2	2	3	3	5	5	7.5	7.5	10	15	15	15					
230V (1PH)			1	2	3	3	5	5	7.5	10	15	15	15	20	25	30	40						
208V (3PH)			2	3	5	7.5	7.5	10	10	15	20	25	30	30	40	40	60	60	100	125	150	200	
240V (3PH)			2	3	5	7.5	10	10	15	20	25	30	30	40	50	60	75	100	150	200	300	400	500
480V (3PH)			5	7.5	10	10	20	25	30	40	50	50	60	75	100	125	150	200	300	400	500		
600V (3PH)		7.5	7.5	15	15	20	25	30	40	50	50	60	75	100	125	150	200	300	400	500			
UL (lth)		20A	25A	30A	32A	45A	50A	70A	80A	90A	100A	160A	160A	210A	230A	275A	350A	450A	660A	840A			
NEMA	MAX. HP	SIZE	00		0		1	1P	2			3			4			5		6			
		115V (1PH)	0.33		1		2	3	3			7.5											
		230V (1PH)	1		3		3	5	7.5			15											
		200V (3PH)	1.5		3		7.5		10			25			40				75		150		
		230V (3PH)	1.5		3		7.5		15			30			50				100		200		
460/575V (3PH)	2		5		10		25			50			100				200		400				
LIGHTING DUTY (INCAN.)	120-690V	11A	13A	18A	22A	32A	40A	50A	65A	75A	85A	105A	120A	150A	180A	250A	300A	400A	630A	800A			
CAPACITOR SWITCHING	120-690V	6A	9A	12A	15A	25A	32A	45A	50A	58A	60A	64A	76A	92A	110A	152A	182A	242A	382A	485A			
RATED LIFE (x10,000)	ELECTRICAL	250	250	250	250	200	200	200	200	200	200	100	100	100	100	100	100	100	50	50	50		
	MECHANICAL	2500	2500	2500	2500	1500	1500	1000	1000	1000	1000	500	500	500	500	500	500	500	500	500	500		
INSULATION RATING		8000V																					
AMBIENT TEMPERATURE RANGE		-5 TO 50°C OPERATION, -40 TO 65°C STORAGE WITHOUT DERATING																					
OPERATION TIMES AC/DC	CLOSING ms	10 ~ 18/50				11 ~ 20/50				16 ~ 25/25				30 ~ 50		37 ~ 60		45 ~ 60		45 ~ 68		66 ~ 70	
	OPENING ms	6 ~ 9/8-15				6 ~ 10/8-15				9 ~ 16/13-20				49 ~ 67		44 ~ 52		41 ~ 45		43 ~ 52		45 ~ 55	
RESISTANCE TO SHOCK		5g/ms OPERATION, 50g/ms MECHANICAL																					
CONDUCTOR SIZE (MAX.)		#10 AWG				#6 AWG		#4	#1 AWG				LIMITED ONLY BY CRIMP SIZE										
SWITCHING FREQUENCY (OP/HR) AC3		1800	1800	1800	1800	1800	1800	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200		
INTERRUPTING CURRENT @600 VAC		5KA	5KA	5KA	5KA	5KA	5KA	5KA	5KA	10KA	10KA	10KA	10KA	10KA	10KA	10KA	10KA	18KA	18KA	30KA	30KA		
MAXIMUM MAKE CURRENT (A)	240V, AC3	132	156	216	240	312	420	600	780	900	960	1050	1250	1500	1800	2500	3000	4000	6300	8000			
	480V, AC3	90	120	180	240	320	400	576	780	900	960	1050	1200	1500	1800	2500	3000	4000	6300	8000			
MAXIMUM BREAK CURRENT(A)	240V, AC3	110	130	180	200	260	350	500	650	750	800	1050	1250	1500	1800	2500	3000	4000	6300	8000			
	480V, AC3	70	90	130	200	250	320	480	650	750	800	1050	1200	1500	1800	2500	3000	4000	6300	8000			
PANEL INSTALLATION		SCREW OR DIN RAIL										SCREW											

TOLL-FREE SUPPORT AT... 1-800-598-2444

email... partspec@flash.net

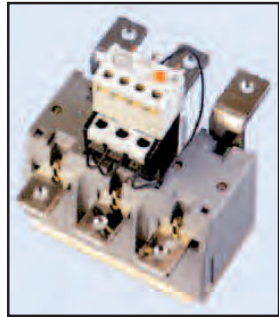
Overload Technical Information



simple, fully adjustable overload relays.

Overload relays integrally mount to GMC contactors and provide thermal overload protection with Class 10 trip characteristics.

Setting Range	Min (A)	Max (A)	Overload Frame (Contactor Mount)
0.1 TO	.016		
0.16 TO	0.25		
0.25 TO	0.4		
0.4 TO	0.63		
0.63 TO	1		
1 TO	1.6		
1.6 TO	2.5		
2.5 TO	4		
4 TO	6		
5 TO	8		
6 TO	9		
7 TO	10		
9 TO	13		
12 TO	18		
16 TO	22		
18 TO	26		
24 TO	36		
28 TO	40		
34 TO	50		
45 TO	65		
54 TO	75		
63 TO	85		
65 TO	100		
85 TO	125		
100 TO	160		
120 TO	180		
160 TO	240		
200 TO	300		
260 TO	400		
400 TO	600		
520 TO	800		



Overload Relay

Overload relay can be mounted directly to the magnetic contactors without additional brackets.



Safety Cover

A "finger-proof" safety cover prevents any contact with live parts.



Simple Adjustments

Overload adjustments are easy to access and straightforward to set.



Trip/Reset Indicator

Each overload relay has a manual trip operator and indicator flag.

TOLL-FREE SUPPORT AT... 1-800-598-2444

Select the modular accessories that fit your control and operational requirements...



Auxiliary Contact Blocks

Type	Description	Pole	Contact Configuration	Contactor
AU2	TOP MOUNT	2	2 NO, 2 NC, 1 NO 1 NC	GMC-9 THRU 85
AU4	TOP MOUNT	4	1 NO 3 NC, 2 NO 2 NC, 3 NO 1 NC, 4 NO, 4 NC	GMC 9 THRU 85
AU1	SIDE MOUNT	2	1 NO 1 NC	GMC-9 THRU 85
AU100	SIDE MOUNT	2	1 NO 1 NC	GMC-100 THRU 800

Auxiliary Contact Ratings

Auxiliary Module	AC 1 Duty	Rated Current															
		AC 12 Duty				DC 12 Duty				AC 15 Duty				DC 15 Duty			
		110V	220V	440V	550V	24V	48V	110V	220V	110V	220V	440V	550V	24V	48V	110V	200V
AU1	16	10	8	5	5	5	3	2.5	1	6	3	1.5	1.2	3	1.5	.55	.27
AU4	16	10	10	5	5	5	3	1.5	.25	6	5	3	3	6	3	1.2	.2

Mechanical Interlock Modules

Description	Contactor Range (Amp)	Part No.
MECHANICALLY INTERLOCKS CONTACTORS SO THAT WHEN CONTACTOR A IS ENERGIZED CONTACTOR B CANNOT BE CLOSED, AND VICE VERSA.	GMC-9 THRU 85	AR-9
	GMC-100 THRU 150	AR-100
	GMC-180 THRU 400	AR-180



Digital Motor Protection Relay



	DMP□-S		DMP□-T		DMP□-SE		DMP□-TE	
Model No.	DMP06-S	DMP60-S	DMP06-T	DMP60-T	DMP06-SE	DMP60-SE	DMP06-TE	DMP60-TE
Wiring	Screw type		Tunnel type		Screw type		Tunnel type	
Panel Mount	Unit				Extension			
Current setting range (A)	0.5~6	5~60	0.5~6	5~60	0.5~6	5~60	0.5~6	5~60
Motor capacity (kW)	220~240V 380~440V	0.09~0.75 1.1~11	0.09~0.75 1.1~11	0.09~0.75 1.1~11	0.09~0.75 1.1~11	0.09~0.75 1.1~11	0.09~0.75 1.1~11	0.09~0.75 1.1~11

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