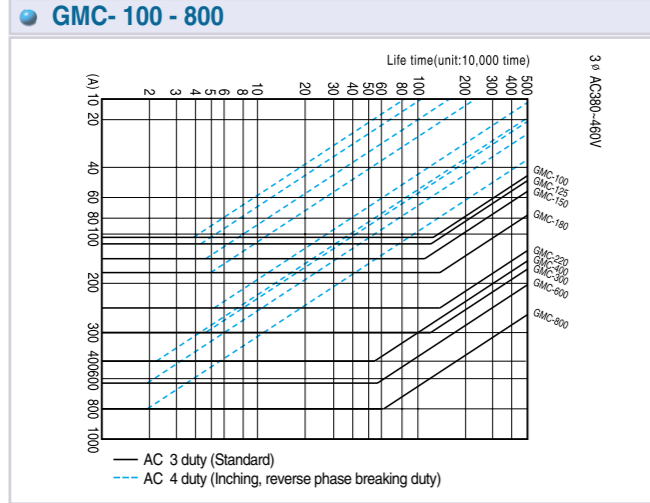
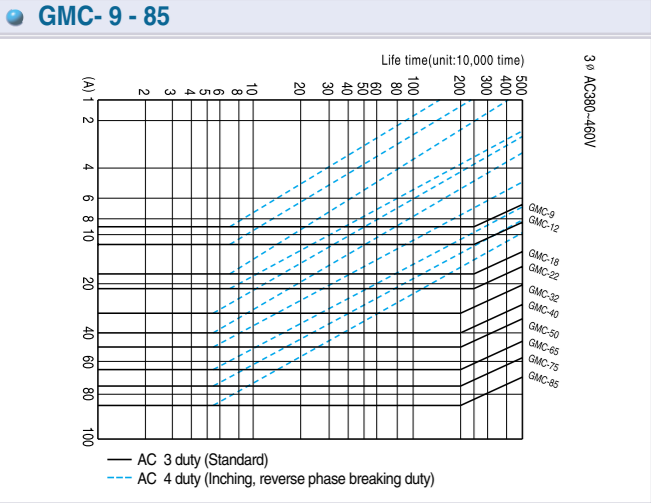
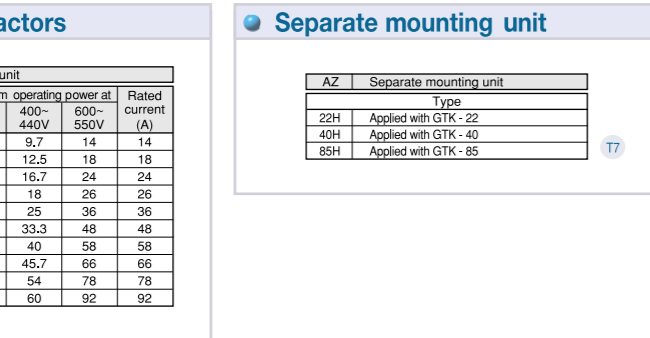
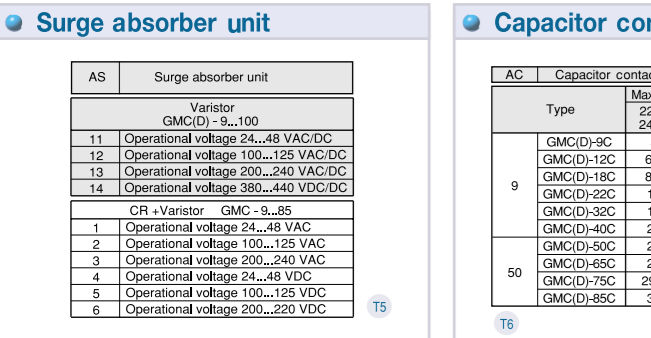
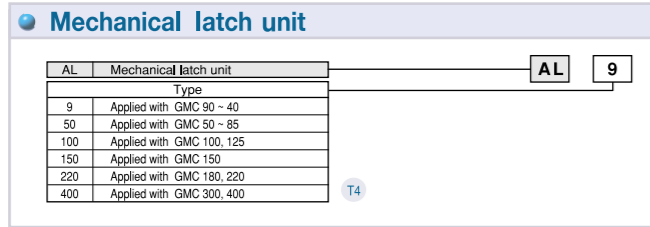
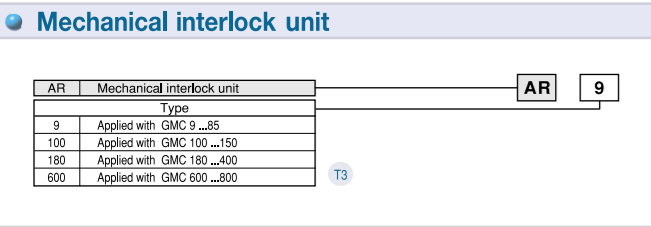
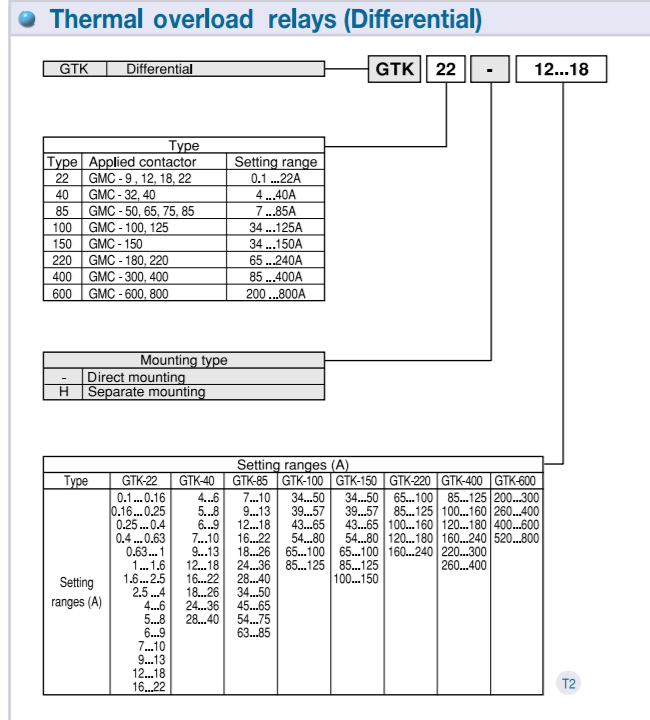
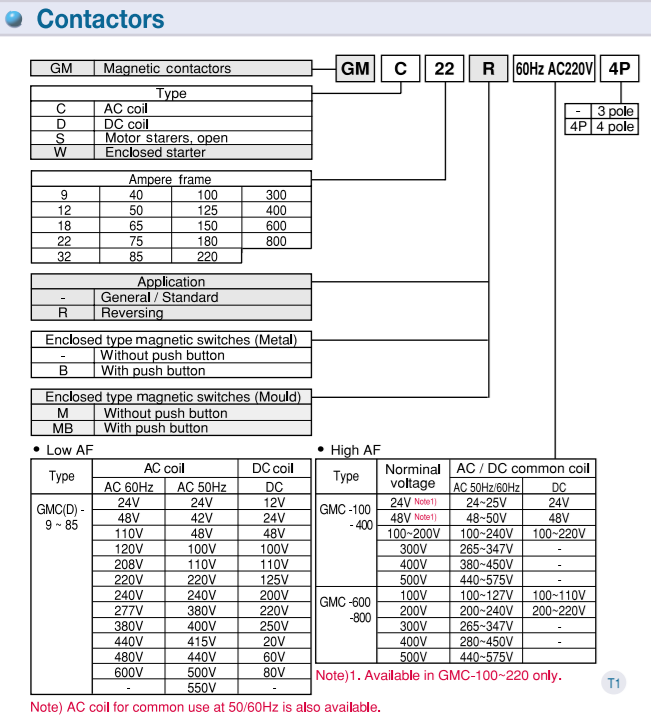


The electrical lifetime



Type designations



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Safety Instructions

- For your safety, please read user's manual thoroughly before operating.
- Contact the nearest authorized service facility for examination, repair, or adjustment.
- Please contact qualified service technician when you need maintenance. Do not disassemble or repair by yourself!
- Any maintenance and inspection shall be performed by the personnel having expertise concerned.

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Specifications in this catalog are subject to change without notice due to continuous product development and improvement.

Leader in Electrics & Automation

Meta-MEC Contactors And Overload Relays



Electric Equipment



Accessories

Auxiliary contact

Applying contactors	Mounting type	Poles	Composition	Type
GM-9 to 85 type (9 to 85A frame)	Front mount	2 pole	2NO 2NC	AU-2
		4 pole	4NO 3NO+1NC 2NO+2NC 1NO+3NC	AU-4
GM-100 to 800 type (100 to 800A frame)	Side mount	2 pole	4NC 1NO 1NC	AU-1
		2 pole	1NO 1NC	AU-100

Mechanical interlock unit

Type	Applied contactors
AR - 9	GMC(D) - 9 ~ GMC(D) - 85
AR - 100	GMC - 100 ~ GMC - 150
AR - 180	GMC - 180 ~ GMC - 400
AR - 600	GMC - 600 ~ GMC - 800

Mechanical latch unit

Type	Applied contactors	Type	Applied contactors
AL - 9	GMC - 9 ~ 40	AL - 150	GMC - 150
AL - 50	GMC - 50 ~ 85	AL - 220	GMC - 180, 220
AL - 100	GMC - 100, 125	AL - 400	GMC - 300, 400

Surge absorber unit

Type	Element	Operation voltage	Element spec.	Applied contactors
AS - 11	Varistor	AC/DC 24 ~ 48V	Varistor 120V	GMC(D)-9 ~ GMC - 800
AS - 12		AC/DC 100 ~ 125V	Varistor 270V	
AS - 13		AC/DC 200 ~ 240V	Varistor 470V	
AS - 14	CR + Varistor	AC 380 ~ 440V	Varistor 1000V	GMC - 9 ~ GMC - 85
AS - 1		AC 24 ~ 48V	Varistor 120V 0.1μF 100 Ω	
AS - 2		AC 100 ~ 125V	Varistor 270V 0.1μF 100 Ω	
AS - 3		AC 200 ~ 240V	Varistor 470V 0.1μF 100 Ω	
AS - 4		DC 24 ~ 48V	Varistor 120V 0.47μF 100 Ω	
AS - 5		DC 100 ~ 125V	Varistor 270V 0.47μF 100 Ω	
AS - 6	DC 200 ~ 220V	Varistor 470V 0.47μF 100 Ω	GMD - 9 ~ GMD - 85	

Lug terminal for contactors

Applying contactors	Type for 3 Pole
GMC-100, 125 type (100, 125A frame)	AJ125 (70821614008)
GMC-150 type (150A frame)	AJ150 (70821615008)
GMC-180, 220 type (180, 220A frame)	AJ220 (70821616008)
GMC-300, 400 type (300, 400A frame)	AJ400 (70821617008)
GMC-600, 800 type (600, 800A frame)	AJ800 (70821618008)

Enclosed type motor starters

Type	lth (A)	Rated power (HP)						
		Single phase		Three phase				
WO push button	With push button	115V	230V	200V	230V	460V	575V	
GMW - 9(M)	GMW - 9(M)B	20	0.5	1	2	2	5	7.5
GMW - 12(M)	GMW - 12(M)B	25	0.5	2	3	3	7.5	10
GMW - 18(M)	GMW - 18(M)B	30	1	3	5	5	10	15
GMW - 22(M)	GMW - 22(M)B	32	2	3	7.5	7.5	10	15
GMW - 32	GMW - 32B	45	2	5	7.5	10	20	20
GMW - 40	GMW - 40B	50	3	5	10	10	25	25
GMW - 50	GMW - 50B	70	3	7.5	10	15	30	30
GMW - 65	GMW - 65B	80	5	10	15	20	40	40
GMW - 75	GMW - 75B	90	5	15	20	25	50	50
GMW - 85	GMW - 85B	100	7.5	15	25	30	60	60

Frame size	9A	12A	18A	22A
3-pole Contactors				



Types	GMC-9		GMC-12		GMC-18		GMC-22	
	AC coil	DC coil	AC coil	DC coil	AC coil	DC coil	AC coil	DC coil
Ratings / IEC60947-4	kW		kW		kW		kW	
AC1	2.5	11	3.5	13	4.5	18	5.5	22
AC3	380/440V	4	9	5.5	12	7.5	18	11
	500/550V	4	7	7.5	12	7.5	13	15
	690V	4	5	7.5	9	7.5	9	15
Ratings / UL508	hp		hp		hp		hp	
continuous current	115V	0.5	20	0.5	25	1	30	2
single phase	230V	1	2	3	3	5	7	3
three phase	200V	2	3	3	5	7	7.5	3
	230V	2	3	3	5	7.5	10	3
	440V	5	7.5	10	15	10	15	3
	575V	7.5	10	15	15	15	15	3
NEMA size	00		00		0		0	



Frame size	9A	12A	18A	22A
4-pole Contactors				

Types	GMC-9/4		GMC-12/4		GMC-18/4		GMC-22/4	
	AC coil	DC coil	AC coil	DC coil	AC coil	DC coil	AC coil	DC coil
AC1(A)	20		20		25		32	

Overload Relays

Bimetallic style	Type GT		Setting ranges (A)		
			0.1 - 0.16	4 - 6	
Class 10A	Differential		0.14 - 0.25	3 - 8	
	Non-differential (3-heater)		0.25 - 0.4	6 - 9	
Class 20	Differential		0.4 - 0.63	7 - 10	
	Non-differential (2-heater)		0.63 - 1	9 - 13	
			1 - 1.6	12 - 18	
			1.6 - 2.5	14 - 22	
			2.5 - 4	16 - 22	


Electronic style	Type GMP		Setting ranges (A)		
			0.1 - 1.5	1 - 5	
			1 - 5 <td>4.4 - 22</td> <td></td>	4.4 - 22	
			4.4 - 22		

Dimension (mm)		
	Front view	Side view



Frame size	32A	40A	50A	65A	75A	85A
3-pole Contactors						


Types	GMC-32		GMC-40		GMC-50		GMC-65		GMC-75		GMC-85	
	AC/DC common coil	AC/DC common coil	AC/DC common coil	AC/DC common coil	AC/DC common coil	AC/DC common coil	AC/DC common coil	AC/DC common coil	AC/DC common coil	AC/DC common coil	AC/DC common coil	AC/DC common coil
Ratings / IEC60947-4	kW		kW		kW		kW		kW		kW	
AC1	7.5	32	11	40	15	55	18.5	65	22	75	25	85
AC3	15	32	18.5	40	22	50	30	45	37	75	45	85
	18.5	28	22	32	30	43	33	60	37	64	45	75
	18.5	20	22	23	30	28	33	35	37	42	45	45
Ratings / UL508	hp		hp		hp		hp		hp		hp	
continuous current	2	45	3	50	3	70	5	80	5	90	7.5	100
single phase	5	5	3	7.5	10	10	15	15	15	15	15	15
three phase	7.5	10	10	15	10	15	20	25	20	25	20	25
	10	10	15	20	20	25	20	25	30	30	30	30
	20	25	30	40	40	50	40	50	50	50	50	50
	20	25	30	40	40	50	40	50	50	50	50	50
	1	1	2	2	2	2	2	2	2	2	2	2



Frame size	32A	40A	50A	65A	75A	85A
4-pole Contactors						

Types	GMC-32/4		GMC-40/4		GMC-50/4		GMC-65/4		GMC-75/4		GMC-85/4	
	AC coil	DC coil	AC coil	DC coil	AC coil	DC coil	AC coil	DC coil	AC coil	DC coil	AC coil	DC coil
AC1(A)	50		60		80		100		110		135	

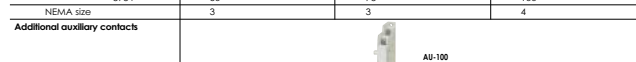
Bimetallic style	Type GT		Setting ranges (A)		
			4 - 4	12 - 18	
Class 10A	Differential		4 - 4	12 - 18	
	Non-differential (3-heater)		4 - 4	12 - 18	
Class 20	Differential		4 - 4	12 - 18	
	Non-differential (2-heater)		4 - 4	12 - 18	
			4 - 4	12 - 18	
			4 - 4	12 - 18	


Electronic style	Type GMP		Setting ranges (A)		
			4 - 20	8 - 40	
			4 - 20	8 - 40	
			4 - 20	8 - 40	

Dimension (mm)				
	Front view	Side view	Front view	Side view

Frame size	100A	125A	150A
3-pole Contactors			

Types	GMC-100		GMC-125		GMC-150	
	AC/DC common coil	AC/DC common coil	AC/DC common coil	AC/DC common coil	AC/DC common coil	AC/DC common coil
Ratings / IEC60947-4	kW		kW		kW	
AC1	30	105	37	125	45	150
AC3	200/240V	55	105	60	120	75
	380/440V	55	85	60	90	140
	500/550V	55	65	60	70	100
Ratings / UL508	hp		hp		hp	
continuous current	7.5	160	10	160	15	210
single phase	230V	15	20	20	25	25
three phase	200V	30	40	40	40	40
	230V	30	40	40	50	50
	440V	60	75	75	100	100
	575V	60	75	75	100	100
NEMA size	3		3		4	



Frame size	100A	125A	150A
4-pole Contactors			

Types	GMC-100/4		GMC-125/4		GMC-150/4	
	AC coil	DC coil	AC coil	DC coil	AC coil	DC coil
AC1(A)	140		160		210	

Overload Relays

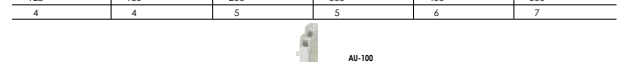
Bimetallic style	Type GT		Setting ranges (A)		
			34 - 50	39 - 57	
Class 10A	Differential		34 - 50	39 - 57	
	Non-differential (3-heater)		34 - 50	39 - 57	
Class 20	Differential		34 - 50	39 - 57	
	Non-differential (2-heater)		34 - 50	39 - 57	
			34 - 50	39 - 57	
			34 - 50	39 - 57	

Electronic style	Type GMP		Setting ranges (A)		
			34 - 50	39 - 57	
			34 - 50	39 - 57	
			34 - 50	39 - 57	

Dimension (mm)				
	Front view	Side view	Front view	Side view




Frame size	180A	220A	300A	400A	600A	800A
3-pole Contactors						

Types	GMC-180		GMC-220		GMC-300		GMC-400		GMC-600		GMC-800	
	AC coil	DC coil	AC coil	DC coil	AC coil	DC coil	AC coil	DC coil	AC coil	DC coil	AC coil	DC coil
Ratings / IEC60947-4	kW		kW		kW		kW		kW		kW	
AC1	55	180	75	250	90	300	125	400	190	630	220	800
AC3	90	180	132	250	140	300	220	400	330	630	440	800
	110	180	132	200	160	250	225	350	330	500	500	720
	110	120	132	150	200	220	250	300	330	420	500	630
Ratings / UL508	hp		hp		hp		hp		hp		hp	
continuous current	15	230	15	275	350	450	450	660	660	900	900	
single phase	30	40	30	40	100	125	150	150	200	250	250	
three phase	60	60	60	75	100	125	150	200	200	300	300	
	60	60	75	100	100	150	150	200	200	300	300	
	125	150	200	300	300	400	400	400	400	600	600	
	125	150	200	300	400	400	400	400	400	600	600	
	4	4	5	5	6	6	6	6	6	7	7	



Frame size	180A	220A	300A	400A	600A	800A
4-pole Contactors						

Types	GMC-180/4		GMC-220/4		GMC-300/4		GMC-400/4		GMC-600/4		GMC-800/4	
	AC coil	DC coil	AC coil	DC coil	AC coil	DC coil	AC coil	DC coil	AC coil	DC coil	AC coil	DC coil
AC1(A)	230		275		350		450		660		900	

Bimetallic style	Type GT		Setting ranges (A)			Setting ranges (A)		
			65 - 100	85 - 125		220 - 300	320 - 400	
Class 10A	Differential		65 - 100	85 - 125		220 - 300	320 - 400	
	Non-differential (3-heater)		65 - 100	85 - 125		220 - 300	320 - 400	
Class 20	Differential		65 - 100	85 - 125		220 - 300	320 - 400	
	Non-differential (2-heater)		65 - 100	85 - 125		220 - 300	320 - 400	
			65 - 100	85 - 125				
			65 - 100	85 - 125				

Electronic style	Type GMP		Setting ranges (A)			Setting ranges (A)		
			65 - 100	85 - 125		220 - 3		