


Quick selection table

Contactors ... 9 to 85A

Sold by AA Electric 1-800-237-8274 Lakeland, FL • Lawrenceville, GA • Greensboro, NC • East Rutherford, NJ www.AAelectric.com

Frame size		9A		12A		18A		22A	
3-pole Contactors									
		See page 26 for more details							
Types	AC coil	GMC-9		GMC-12		GMC-18		GMC-22	
	DC coil	GMD-9		GMD-12		GMD-18		GMD-22	
Ratings / IEC60947-4		kW	A	kW	A	kW	A	kW	A
AC1		25		25		40		40	
AC3	200/240V	2.5	11	3.5	13	4.5	18	5.5	22
	380/440V	4	9	5.5	12	7.5	18	11	22
	500/550V	4	7	7.5	12	7.5	13	15	22
	690V	4	5	7.5	9	7.5	9	15	18
Ratings / UL508		hp	A	hp	A	hp	A	hp	A
continuous current		20		25		30		32	
single phase	115V	0.5		0.5		1		2	
	230V	1		2		3		3	
three phase	200V	2		3		5		7	
	230V	2		3		5		7.5	
	460V	5		7.5		10		10	
	575V	7.5		10		15		15	
NEMA size		00		00		0		0	

Additional auxiliary contacts

See page 112 for more details




2-pole Front mount







4-pole Front mount





2-pole Side mount

4-pole Contactors									
		See page 38 for more details							
Types	AC coil	GMC-9/4		GMC-12/4		GMC-18/4		GMC-22/4	
	DC coil	GMD-9/4		GMD-12/4		GMD-18/4		GMD-22/4	
AC1(A)		20		20		25		32	

Overload Relays

Bimetallic style					
Type GT		See page 77-88 for more details			
					
		Base for separate mount			
Class10A	Differential	GTK-22			
	Non-differential (3-heater)	GTH-22/3			
	Non-differential (2-heater)	GTH-22			
Class 20	Differential	GTK-22/L			
Electronic style					
Type GMP		See page 98-106 for more details			
Class 1~30 adjustable					
		Separate mount type			

32A		40A		50A		65A		75A		85A	
 <p>See page 28 for more details</p>				 <p>See page 30 for more details</p>							
GMC-32		GMC-40		GMC-50		GMC-65		GMC-75		GMC-85	
GMD-32		GMD-40		GMD-50		GMD-65		GMD-75		GMD-85	
kW	A	kW	A	kW	A	kW	A	kW	A	kW	A
	50		60		80		100		110		135
7.5	32	11	40	15	55	18.5	65	22	75	25	85
15	32	18.5	40	22	50	30	65	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
hp	A	hp	A	hp	A	hp	A	hp	A	hp	A
	45		50		70		80		90		100
2		3		3		5		5		7.5	
5		5		7.5		10		15		15	
7.5		10		10		15		20		25	
10		10		15		20		25		30	
20		25		30		40		50		50	
20		25		30		40		50		50	
1		1		2		2		2		3	





2-pole Front mount








4-pole Front mount




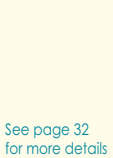

2-pole Side mount


 <p>See page 40 for more details</p>				 <p>See page 42 for more details</p>							
GMC-32/4		GMC-40/4		GMC-50/4		GMC-65/4		GMC-75/4		GMC-85/4	
GMD-32/4		GMD-40/4		GMD-50/4		GMD-65/4		GMD-75/4		GMD-85/4	
50		60		80		100		110		135	

 <p>Setting ranges (A)</p> <table border="0"> <tr><td>4 - 6</td><td>12 - 18</td></tr> <tr><td>5 - 8</td><td>16 - 22</td></tr> <tr><td>6 - 9</td><td>18 - 26</td></tr> <tr><td>7 - 10</td><td>24 - 36</td></tr> <tr><td>9 - 13</td><td>28 - 40</td></tr> </table> <p>Base for separate mount</p>	4 - 6	12 - 18	5 - 8	16 - 22	6 - 9	18 - 26	7 - 10	24 - 36	9 - 13	28 - 40	 <p>Setting ranges (A)</p> <table border="0"> <tr><td>7 - 10</td><td>28 - 40</td></tr> <tr><td>9 - 13</td><td>34 - 50</td></tr> <tr><td>12 - 18</td><td>45 - 65</td></tr> <tr><td>16 - 22</td><td>54 - 75</td></tr> <tr><td>18 - 26</td><td>63 - 85</td></tr> <tr><td>24 - 36</td><td></td></tr> </table> <p>Base for separate mount</p>	7 - 10	28 - 40	9 - 13	34 - 50	12 - 18	45 - 65	16 - 22	54 - 75	18 - 26	63 - 85	24 - 36	
4 - 6	12 - 18																						
5 - 8	16 - 22																						
6 - 9	18 - 26																						
7 - 10	24 - 36																						
9 - 13	28 - 40																						
7 - 10	28 - 40																						
9 - 13	34 - 50																						
12 - 18	45 - 65																						
16 - 22	54 - 75																						
18 - 26	63 - 85																						
24 - 36																							
<p>GTK-40</p> <p>GTH-40/3</p> <p>GTH-40</p> <p>GTK-40/L</p>	<p>GTK-85</p> <p>GTH-85/3</p> <p>GTH-85</p> <p>GTK-85/L</p>																						
 <p>Setting ranges (A)</p> <table border="0"> <tr><td>4 - 20</td></tr> <tr><td>8 - 40</td></tr> </table> <p>separate mount</p>	4 - 20	8 - 40	 <p>Setting ranges(A) : 16 ~ 80A</p> <p>Separate mount Wiring by screw</p>	 <p>Setting ranges(A) : 5 ~ 60A</p> <p>Separate mount Wiring by CT tunnel</p>																			
4 - 20																							
8 - 40																							

Quick selection table



Contactors ... 100 to 800A

Frame size		100A		125A		150A	
3-pole Contactors							
		See page 32 for more details		See page 32 for more details		See page 32 for more details	
Types	AC/DC common coil	GMC-100		GMC-125		GMC-150	
Ratings / IEC60947-4		kW	A	kW	A	kW	A
AC1			160		160		210
AC3	200/240V	30	105	37	125	45	150
	380/440V	55	105	60	120	75	150
	500/550V	55	85	60	90	90	140
	690V	55	65	60	70	90	100
Ratings / UL508		hp	A	hp	A	hp	A
continuous current			160		160		210
single phase	115V	7.5		10		15	
	230V	15		20		25	
three phase	200V	30		40		40	
	230V	30		40		50	
	460V	60		75		100	
	575V	60		75		100	
NEMA size		3		3		4	

Additional auxiliary contacts						AU-100 1NO+1NC, Side mount	
See page 112 for more details							

Frame size		100A		125A		150A	
4-pole Contactors							
		See page 44 for more details		See page 44 for more details		See page 44 for more details	
Types	AC/DC common coil	GMC-100/4		GMC-125/4		GMC-150/4	
AC1(A)		160		160		210	

Overload Relays

Frame size		100A		150A	
Bimetallic style					
		See page 89-97 for more details		See page 89-97 for more details	
Type GT		Setting ranges (A)		Setting ranges (A)	
		34 - 50		34 - 50	
		39 - 57		39 - 57	
		43 - 65		43 - 65	
		54 - 80		54 - 80	
		65 - 100		65 - 100	
		85 - 125		85 - 125	
		100 - 150		100 - 150	
Class 10A	Differential	GTK-100		GTK-150	
	Non-differential (3-heater)	GTH-100/3		GTH-150/3	
	Non-differential (2-heater)	GTH-100		GTH-150	
Class 20	Differential	GTK-100/L		GTK-150/L	

Quick selection table

Mini contactors & overloads

Mini contactors

3NO main contacts
1 auxiliary contacts



Screw clamp type



Fast-on type



Cage clamp type



Solder pin type

Frame size		6A		9A		12A		16A	
Screw clamp type	AC coil	GMC-6M		GMC-9M		GMC-12M		GMC-16M	
	DC coil	GMD-6M		GMD-9M		GMD-12M		GMD-16M	
Fast-on type	AC coil	GMC-6MF		GMC-9MF		GMC-12MF		GMC-16MF	
	DC coil	GMD-6MF		GMD-9MF		GMD-12MF		GMD-16MF	
Cage clamp type	AC coil	GMC-6MC		GMC-9MC		GMC-12MC		GMC-16MC	
	DC coil	GMD-6MC		GMD-9MC		GMD-12MC		GMD-16MC	
Solder pin type	AC coil	GMC-6MP		GMC-9MP		GMC-12MP		GMC-16MP	
	DC coil	GMD-6MP		GMD-9MP		GMD-12MP		GMD-16MP	
Ratings / IEC60947-4		kW	A	kW	A	kW	A	kW	A
AC1			20		20		20		20
AC3	200/240V	1.5	7	2.2	9	3	12	4	15
	380/440V	2.2	6	4	9	5.5	12	7.5	16
	500/550V	3	5	3.7	6	4	7	5.5	9
	690V	3	4	4	5	4	5	4	5
Ratings / UL508		hp	A	hp	A	hp	A	hp	A
continuous current			20		25		30		32
single phase	115V	0.5		0.5		1		2	
	230V	1		2		3		3	
three phase	200V	2		3		5		7	
	230V	2		3		5		7.5	
	460V	5		7.5		10		10	
	575V	7.5		10		15		15	
NEMA size		00		00		00		0	
Additional auxiliary contacts		Screw clamp type		Fast-on type		Cage clamp type		Solder pin type	
2-pole, Front mount		AU-2M		AU-2MF		AU-2MC		AU-1MP	
4-pole, Front mount		AU-4M		AU-4MF		AU-4MC			
2-pole, Side mount		AU-1M		AU-1MF		AU-1MC			

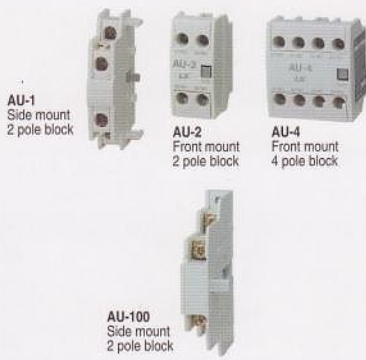
See page 108 for more details

Overload Relays

Bimetallic style Type GT Class 10A	 GT-12M	Setting ranges (A) 0.1 - 0.16 0.16 - 0.25 0.25 - 0.4 0.4 - 0.63 0.63 - 1 1 - 1.6 1.6 - 2.5 2.5 - 4	4 - 6 5 - 8 6 - 9 7 - 10 9 - 13 12 - 16	 Base for separate mount	See page 85 for more details
	Differential	GTK-12M			
	Non-differential (3-heater)	GTH-12M/3			
	Non-differential (2-heater)	GTH-12M			

Accessories

Auxiliary contact



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

Mechanical Interlock unit

Table T3



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

Table T4



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

Table T5



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		AC 380 ~ 440V	Varistor 1000V	
AS - 1	CR + Varistor	AC 24 ~ 48V	Varistor 120V 0.1μF 100 Ω	GMC - 9 ~ GMC - 85
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	GMD - 9 ~ GMD - 85
AS - 5		DC 100 ~ 125V	Varistor 270V 0.47μF 100 Ω	
AS - 6		DC 200 ~ 220V	Varistor 470V 0.47μF 100 Ω	

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		Ith (A)	Rated power (HP)					
W/O push button	With push button		Single phase		Three phase			
			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

Sold by AA Electric 1-800-237-8274 Lakeland, FL • Lawrenceville, GA • Greensboro, NC • East Rutherford, NJ www.AAelectric.com