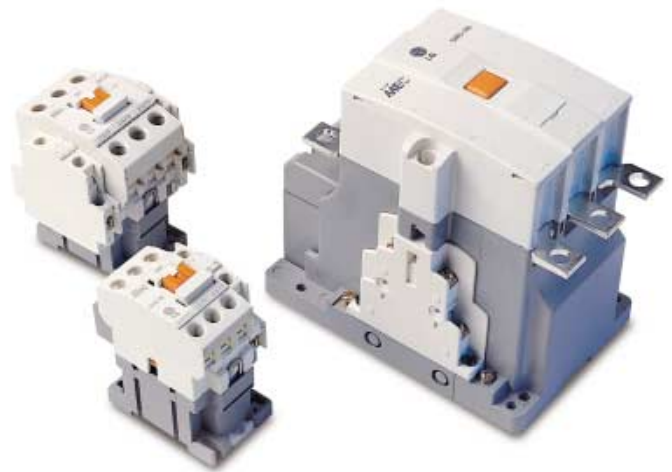
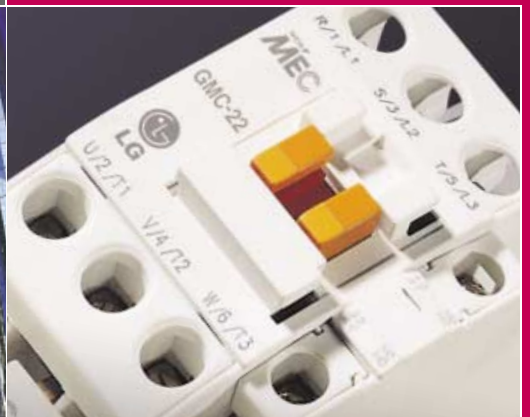


Meta-MEC  
**CONTACTORS  
AND OVERLOAD RELAYS**



Electric Equipment









**LG Industrial Systems**





[www.lgis.com](http://www.lgis.com)



# Quick selection table

## Contactors ... 9 to 85A

Frame size		9A	12A	18A	22A
<b>3-pole Contactors</b>					
		See page 40 for more details			
Types	AC coil	<b>GMC-9</b>	<b>GMC-12</b>	<b>GMC-18</b>	<b>GMC-22</b>
	DC coil	<b>GMD-9</b>	<b>GMD-12</b>	<b>GMD-18</b>	<b>GMD-22</b>
<b>Ratings / IEC60947-4</b>		kW    A	kW    A	kW    A	kW    A
AC1		<b>25</b>	<b>25</b>	<b>40</b>	<b>40</b>
AC3	200/240V	2.5    11	3.5    13	4.5    18	5.5    22
	<b>380/440V</b>	<b>4      9</b>	<b>5.5    12</b>	<b>7.5    18</b>	<b>11     22</b>
	500/550V	4      7	7.5    12	7.5    13	15     22
	690V	4      5	7.5    9	7.5    9	15     18
<b>Ratings / UL508</b>		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
	<b>460V</b>	<b>5</b>	<b>7.5</b>	<b>10</b>	<b>10</b>
	575V	7.5	10	15	15
NEMA size		00	00	0	0
<b>Additional auxiliary contacts</b>		  			
		2-pole Front mount      4-pole Front mount      2-pole Side mount			
		See page 116 for more details			
<b>4-pole Contactors</b>					
		See page 52 for more details		See page 52 for more details	
Types	AC coil	<b>GMC-9/4</b>	<b>GMC-12/4</b>	<b>GMC-18/4</b>	<b>GMC-22/4</b>
	DC coil	<b>GMD-9/4</b>	<b>GMD-12/4</b>	<b>GMD-18/4</b>	<b>GMD-22/4</b>
AC1(A)		<b>20</b>	<b>20</b>	<b>25</b>	<b>32</b>

### Overload Relays

<b>Bimetallic style</b>					
<b>Type GT</b>					
		Setting ranges (A)			
		0.1 - 0.16    4 - 6 0.16 - 0.25    5 - 8 0.25 - 0.4      6 - 9 0.4 - 0.63     7 - 10 0.63 - 1        9 - 13 1 - 1.6         12 - 16 1.6 - 2.5       16 - 22 2.5 - 4			
		Base for separate mount			
Class10A	Differential	<b>GTK-22</b>			
	Non-differential (3-heater)	<b>GTH-22/3</b>			
	Non-differential (2-heater)	<b>GTH-22</b>			
Class 20	Differential	<b>GTK-22/L</b>			
<b>Electronic style</b>					
<b>Type GMP</b>					
<b>Class 1~30 adjustable</b>		Setting ranges (A) 0.1 - 1.5 1 - 5 4.4 - 22			
		Separate mount type			
		See page 76-80 for more details			

32A		40A		50A		65A		75A		85A	
 <p>See page 42 for more details</p>				 <p>See page 42 for more details</p>							
<b>GMC-32</b>		<b>GMC-40</b>		<b>GMC-50</b>		<b>GMC-65</b>		<b>GMC-75</b>		<b>GMC-85</b>	
GMD-32		GMD-40		GMD-50		GMD-65		GMD-75		GMD-85	
kW	A	kW	A	kW	A	kW	A	kW	A	kW	A
	<b>50</b>		<b>60</b>		<b>80</b>		<b>100</b>		<b>110</b>		<b>135</b>
7.5	32	11	40	15	55	18.5	65	22	75	25	85
<b>15</b>	<b>32</b>	<b>18.5</b>	<b>40</b>	<b>22</b>	<b>50</b>	<b>30</b>	<b>65</b>	<b>37</b>	<b>75</b>	<b>45</b>	<b>85</b>
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	
<b>20</b>		<b>25</b>		<b>30</b>		<b>40</b>		<b>50</b>		<b>50</b>	
20		25		30		40		50		50	
1		1		2		2		2		3	





2-pole  
Front mount











4-pole  
Front mount




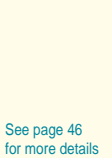

2-pole  
Side mount

 <p>See page 54 for more details</p>				 <p>See page 56 for more details</p>							
<b>GMC-32/4</b>		<b>GMC-40/4</b>		<b>GMC-50/4</b>		<b>GMC-65/4</b>		<b>GMC-75/4</b>		<b>GMC-85/4</b>	
GMD-32/4		GMD-40/4		GMD-50/4		GMD-65/4		GMD-75/4		GMD-85/4	
<b>50</b>		<b>60</b>		<b>80</b>		<b>100</b>		<b>110</b>		<b>135</b>	

 <p>Setting ranges (A)</p> <ul style="list-style-type: none"> <li>4 - 6</li> <li>5 - 8</li> <li>6 - 9</li> <li>7 - 10</li> <li>9 - 13</li> </ul> <p>12 - 18</p> <p>16 - 22</p> <p>18 - 26</p> <p>24 - 36</p> <p>28 - 40</p> <p>GT-40</p>	 <p>Base for separate mount</p>	 <p>Setting ranges (A)</p> <ul style="list-style-type: none"> <li>7 - 10</li> <li>9 - 13</li> <li>12 - 18</li> <li>16 - 22</li> <li>18 - 26</li> <li>24 - 36</li> </ul> <p>28 - 40</p> <p>34 - 50</p> <p>45 - 65</p> <p>54 - 75</p> <p>63 - 85</p> <p>GT-85</p>	 <p>Base for separate mount</p>
<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> <ul style="list-style-type: none"> <li>4 - 20</li> <li>8 - 40</li> </ul> <p>GMP40</p>	 <p>separate mount</p>	 <p>Setting ranges(A) : 16 - 80A</p> <p>Separate mount Wiring by screw</p> <p>GMP80</p>	 <p>Setting ranges(A) : 5 - 60A</p> <p>Separate mount Wiring by CT tunnel</p> <p>GMP60</p>

# Quick selection table

## Contactors ... 100 to 800A


Frame size		100A		125A		150A	
<b>3-pole Contactors</b>							
		<a href="#">See page 46 for more details</a>		<a href="#">See page 46 for more details</a>		<a href="#">See page 46 for more details</a>	
Types	AC/DC common coil	<b>GMC-100</b>		<b>GMC-125</b>		<b>GMC-150</b>	
<b>Ratings / IEC60947-4</b>		kW	A	kW	A	kW	A
AC1			<b>150</b>		<b>150</b>		<b>200</b>
AC3	200/240V	30	105	37	125	45	150
	<b>380/440V</b>	<b>55</b>	<b>105</b>	<b>60</b>	<b>120</b>	<b>75</b>	<b>150</b>
	500/550V	55	85	60	90	90	140
	690V	55	65	60	70	90	100
<b>Ratings / UL508</b>		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	
	<b>460V</b>	<b>60</b>		<b>75</b>		<b>100</b>	
	575V	60		75		100	
NEMA size		3		3		4	

### Additional auxiliary contacts

[See page 116 for more details](#)





**AU-100**  
1NO+1NC, Side mount

<b>4-pole Contactors</b>							
		<a href="#">See page 58 for more details</a>		<a href="#">See page 58 for more details</a>		<a href="#">See page 58 for more details</a>	

Types	AC/DC common coil	<b>GMC-100/4</b>		<b>GMC-125/4</b>		<b>GMC-150/4</b>	
AC1(A)		<b>150</b>		<b>155</b>		<b>200</b>	

## Overload Relays

<b>Bimetallic style</b>					
<b>Type GT</b>		<b>GT-100</b>		<b>GT-150</b>	
		<a href="#">See page 64-75 for more details</a>		<a href="#">See page 64-75 for more details</a>	
		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	
Class10A	Differential	<b>GTK-100</b>		<b>GTK-150</b>	
	Non-differential (3-heater)	<b>GTH-100/3</b>		<b>GTH-150/3</b>	
	Non-differential (2-heater)	<b>GTH-100</b>		<b>GTH-150</b>	
Class 20	Differential	<b>GTK-100/L</b>		<b>GTK-150/L</b>	