

3-pole Contactors

9A

12A

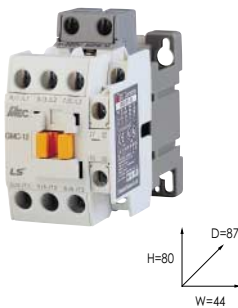
18A

22A

Description

- Covering four rating classes in single size.
- 3-pole main contact
- Finger proof design
- DIN rail or screw mountable
- Small physical size : 44 mm wide
- 1NO+1NC Auxiliary contacts built-in as standard
- Front/side mountable accessories available
- Direct mountable overload relays available

3-pole Contactors with AC coil

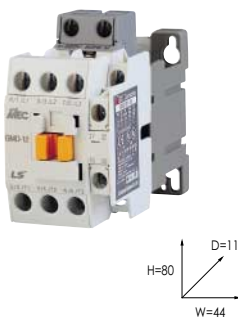


Frame size	AC3 ratings / IEC60947-4				AC1 lth	Auxiliary contact (standard)	Type
	220 ~ 240V	380 ~ 440V	500 ~ 550V	690V			
9A	2.5kW 11A	4kW 9A	4kW 7A	4kW 5A	25A	1NO+1NC	GMC-9
12A	3.5kW 13A	5.5kW 12A	7.5kW 12A	7.5kW 9A	25A	1NO+1NC	GMC-12
18A	4.5kW 18A	7.5kW 18A	7.5kW 13A	7.5kW 9A	40A	1NO+1NC	GMC-18
22A	5.5kW 22A	11kW 22A	15kW 22A	15kW 18A	40A	1NO+1NC	GMC-22

Coil voltage, AC 50/60Hz

50Hz : 24, 42, 48, 100, 110, 220, 240, 380, 400, 415, 440, 500, 550V
60Hz : 24, 48, 110, 120, 208, 220, 240, 277, 380, 440, 480, 600V

3-pole Contactors with DC coil



Frame size	AC3 ratings (IEC60947-4)				AC1 lth	Auxiliary contact (standard)	Type
	220 ~ 240V	380 ~ 440V	500 ~ 550V	690V			
9A	2.5kW 11A	4kW 9A	4kW 7A	4kW 5A	25A	1NO+1NC	GMD-9
12A	3.5kW 13A	5.5kW 12A	7.5kW 12A	7.5kW 9A	25A	1NO+1NC	GMD-12
18A	4.5kW 18A	7.5kW 18A	7.5kW 13A	7.5kW 9A	40A	1NO+1NC	GMD-18
22A	5.5kW 22A	11kW 22A	15kW 22A	15kW 18A	40A	1NO+1NC	GMD-22

Coil voltage, DC

12, 20, 24, 48, 60, 80, 100, 110, 125, 200, 220, 250V

Mounting and Connection

Mounting	35mm DIN rail or holes for screw(M4) fixing	
Connection	Main	Screw(M4) clamp terminal Cable capacity : 1.25~5.5mm ² / ϕ 1.6~2.6
	Auxiliary / Coil	Screw(M3.5) clamp terminal

Certificate

CE, ULcUL, Lloyd,
CCC(China)

Ordering information

Specify type and coil voltage
Example : GMC-12 50Hz 240V

Options



GT-22
Thermal (Bimetallic) style
→ page 88



GMP22
Solid state style
→ page 100



AU-1
Aux. contact unit
2pole for side mount
→ page 114



AU-2
Aux. contact unit
2pole for front mount
→ page 114



AU-4
Aux. contact unit
2pole for front mount
→ page 114



AR-9
Mechanical interlock unit
→ page 116



AL-9
Mechanical latch unit
→ page 117



AS
Surge absorber unit
→ page 118



AD-9
Delayed opening device
→ page 119

For more information

Technical specification	→ page 123~158
Drawings	→ page 167
Circuit diagrams	→ page 167
Reversing contactors	→ page 66
Latching contactors	→ page 70
Starters	→ page 51
Overload relays	→ page 88, 100
UL rating	→ page 18

3-pole Contactors

32A 40A

Description

- Covering two rating classes in single size.
- 3-pole main contact
- Finger proof design
- DIN rail or screw mountable
- Small physical size : 68 mm wide
- 2NO+2NC Auxiliary contacts built-in as standard
- Front/side mountable accessories available
- Direct mountable overload relays available



3-pole Contactors with AC coil

Frame size	AC3 ratings (IEC60947-4)				AC1 lth	Auxiliary contact (standard)	Type
	220 ~ 240V	380 ~ 440V	500 ~ 550V	690V			
32A	7.5kW	15kW	18.5kW	18.5kW	50A	2NO+2NC	GMC-32
	32A	32A	28A	20A			
40A	11kW	18.5kW	22kW	22kW	60A	2NO+2NC	GMC-40
	40A	40A	32A	23A			

Coil voltage, AC 50/60Hz

50Hz : 24, 42, 48, 100, 110, 220, 240, 380, 400, 415, 440, 500, 550V

60Hz : 24, 48, 110, 120, 208, 220, 240, 277, 380, 440, 480, 600V



3-pole Contactors with DC coil

Frame size	AC3 ratings (IEC60947-4)				AC1 lth	Auxiliary contact (standard)	Type
	220 ~ 240V	380 ~ 440V	500 ~ 550V	690V			
32A	7.5kW	15kW	18.5kW	18.5kW	50A	2NO+2NC	GMD-32
	32A	32A	28A	20A			
40A	11kW	18.5kW	22kW	22kW	60A	2NO+2NC	GMD-40
	40A	40A	32A	23A			

Coil voltage, DC

12, 20, 24, 48, 60, 80, 100, 110, 125, 200, 220, 250V

Mounting and Connection

Mounting	35mm DIN rail or holes for screw(M4) fixing	
Connection	Main	Screw(M5) clamp terminal Cable capacity : 2~14mm ² / ϕ 1.6~3.6
	Auxiliary / Coil	Screw(M3.5) clamp terminal

Certificate

CE, ULcUL, Lloyd, CCC(China)

Ordering information

Specify type and coil voltage

Options



GT-40
Thermal (Bimetallic) style
→ page 89



GMP40
Solid state style
→ page 102

For more information

- Technical specification → page 123~158
- Drawings → page 167
- Circuit diagrams → page 167
- Reversing contactors → page 66
- Latching contactors → page 70
- Starters → page 51
- Overload relays → page 89, 102
- UL rating → page 19



AU-1
Aux. contact unit
2pole for side mount
→ page 114



AU-2
Aux. contact unit
2pole for front mount
→ page 114



AU-4
Aux. contact unit
2pole for front mount
→ page 114



AR-9
Mechanical interlock unit
→ page 116



AL-9
Mechanical latch unit
→ page 117



AS
Surge absorber unit
→ page 118



AD-9
Delayed opening device
→ page 119

3-pole Contactors

50A 65A 75A 85A

Description

- Covering four rating classes in single size.
- 3-pole main contact
- Finger proof design
- DIN rail or screw mountable
- 2NO+2NC Auxiliary contacts built-in as standard
- Front/side mountable accessories available
- Direct mountable overload relays available

3-pole Contactors with AC coil

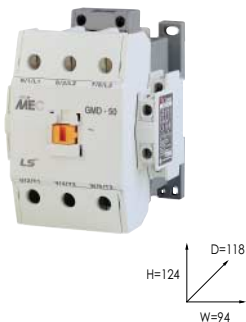


Frame size	AC3 ratings (IEC60947-4)				AC1 lth	Auxiliary contact (standard)	Type
	220 ~ 240V	380 ~ 440V	500 ~ 550V	690V			
50A	15kW 55A	22kW 50A	30kW 43A	30kW 28A	80A	2NO+2NC	GMC-50
65A	18.5kW 65A	30kW 65A	33kW 60A	33kW 35A	100A	2NO+2NC	GMC-65
75A	22kW 75A	37kW 75A	37kW 64A	37kW 42A	110A	2NO+2NC	GMC-75
85A	25kW 85A	45kW 85A	45kW 75A	45kW 45A	135A	2NO+2NC	GMC-85

Coil voltage, AC 50/60Hz

50Hz : 24, 42, 48, 100, 110, 220, 240, 380, 400, 415, 440, 500, 550V
60Hz : 24, 48, 110, 120, 208, 220, 240, 277, 380, 440, 480, 600V

3-pole Contactors with DC coil



Frame size	AC3 ratings (IEC60947-4)				AC1 lth	Auxiliary contact (standard)	Type
	220 ~ 240V	380 ~ 440V	500 ~ 550V	690V			
50A	15kW 55A	22kW 50A	30kW 43A	30kW 28A	80A	2NO+2NC	GMD-50
65A	18.5kW 65A	30kW 65A	33kW 60A	33kW 35A	100A	2NO+2NC	GMD-65
75A	22kW 75A	37kW 75A	37kW 64A	37kW 42A	110A	2NO+2NC	GMD-75
85A	25kW 85A	45kW 85A	45kW 75A	45kW 45A	135A	2NO+2NC	GMD-85

Coil voltage, DC

12, 20, 24, 48, 60, 80, 100, 110, 125, 200, 220, 250V

Mounting and Connection

Mounting	35mm DIN rail or holes for screw(M4) fixing		
Connection	Main	50A frame	Screw(M6) terminal Cable capacity : 2~22mm ²
		65/75/85A frame	Screw(M8) terminal Cable capacity : 2~38mm ²
	Auxiliary / Coil		Screw(M3.5) clamp terminal

Certificate

CE, ULcUL, Lloyd, CCC(China)

Ordering information

Specify type and coil voltage

Options



GT-85
Thermal (Bimetallic) style
→ page 90



GMP80
Electronic style
separate mount only
→ page 104



AU-1
Aux. contact unit
2pole for side mount
→ page 114



AU-2
Aux. contact unit
2pole for front mount
→ page 114



AU-4
Aux. contact unit
2pole for front mount
→ page 114



AR-9
Mechanical interlock unit
→ page 116



AL-50
Mechanical latch unit
→ page 117



AS
Surge absorber unit
→ page 118



AD-50
Delayed opening device
→ page 119

For more information

Technical specification	→ page 123~158
Drawings	→ page 167
Circuit diagrams	→ page 167
Reversing contactors	→ page 66
Latching contactors	→ page 70
Starters	→ page 51
Overload relays	→ page 90, 104
UL rating	→ page 19

3-pole Contactors

100A 125A 150A

Description

- 3-pole main contact
- AC/DC common use coil built
- Wide coil operation voltage
- Screw mountable
- 2NO+2NC Auxiliary contacts built-in as standard
- Front/side mountable accessories available
- Direct mountable overload relays available



3-pole Contactors with AC/DC common coil

Frame size	AC3 ratings (IEC60947-4)				AC1 lth	Auxiliary contact (standard)	Type
	220 ~ 240V	380 ~ 440V	500 ~ 550V	690V			
100A	30kW	55kW	55kW	55kW	160A	2NO+2NC	GMC-100
	105A	105A	85A	65A			
125A	37kW	60kW	60kW	60kW	160A	2NO+2NC	GMC-125
	125A	120A	90A	70A			



Frame size	AC3 ratings (IEC60947-4)				AC1 lth	Auxiliary contact (standard)	Type
	220 ~ 240V	380 ~ 440V	500 ~ 550V	690V			
150A	45kW	75kW	90kW	90kW	210A	2NO+2NC	GMC-150
	150A	150A	140A	100A			

Coil voltage, AC/DC common

Nominal(ordering) voltage	AC 50/60Hz	DC
24V	24 - 25V	24V
48V	48 - 50V	48V
100/200V	100 - 240V	100 - 220V
300V	265 - 347V	-
400V	380 - 450V	-
500V	440 - 575V	-

Mounting and Connection

Mounting	100/125A frame	Holes for screw(M4) fixing	
	150A frame	Holes for screw(M5) fixing	
Connection	Main	100/125A frame	Screw(M8) terminal Cable capacity : 2~60mm ²
		150A frame	Screw(M8) terminal Cable capacity : 2~100mm ²
	Auxiliary / Coil		Screw(M4) clamp terminal

Certificate

CE, ULcUL, Lloyd, CCC(China)

Ordering information

Specify type and coil voltage

Options



GT-100 for GMC-100, 125
Thermal (Bimetallic) style
→ page 91



GT-150 for GMC-150
Thermal (Bimetallic) style
→ page 91

For more information

- Technical specification → page 123~157
- Drawings → page 169
- Circuit diagrams → page 169
- Reversing contactors → page 68
- Latching contactors → page 72
- Starters → page 52
- Overload relays → page 91
- UL rating → page 20



AU-100
Aux. contact unit
2pole for side mount
→ page 114



AR-100
Mechanical interlock unit
→ page 116



AL-100, 150
Mechanical latch unit
→ page 114



AS
Surge absorber unit
→ page 118



AD-100
Delayed opening device
→ page 119



Terminal covers
→ page 117



AI-100
Insulation barriers
→ page 118

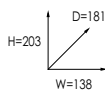
3-pole Contactors

180A 220A 300A 400A

Description

- 3-pole main contact
- AC/DC common use coil built
- Wide coil operation voltage
- Screw mountable
- 2NO+2NC Auxiliary contacts built-in as standard
- Front/side mountable accessories available
- Direct mountable overload relays available

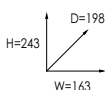
3-pole Contactors with AC/DC common coil



Frame size	AC3 ratings (IEC60947-4)				AC1 lth	Auxiliary contact (standard)	Type
	220 ~ 240V	380 ~ 440V	500 ~ 550V	690V			
180A	55kW	90kW	110kW	110kW	230A	2NO+2NC	GMC-180
	180A	180A	180A	120A			
220A	75kW	132kW	132kW	132kW	275A	2NO+2NC	GMC-220
	250A	250A	200A	150A			

Coil voltage, AC/DC common

Nominal(ordering) voltage	AC 50/60Hz	DC
24V	24 - 25V	24V
48V	48 - 50V	48V
100/200V	100 - 240V	100 - 220V
300V	265 - 347V	-
400V	380 - 450V	-
500V	440 - 575V	-



Frame size	AC3 ratings (IEC60947-4)				AC1 lth	Auxiliary contact (standard)	Type
	220 ~ 240V	380 ~ 440V	500 ~ 550V	690V			
300A	90kW	160kW	160kW	200kW	350A	2NO+2NC	GMC-300
	300A	300A	250A	220A			
400A	125kW	220kW	225kW	250kW	450A	2NO+2NC	GMC-400
	400A	400A	350A	300A			

Coil voltage, AC/DC common

Nominal(ordering) voltage	AC 50/60Hz	DC
100/200V	100 - 240V	100 - 220V
300V	265 - 347V	-
400V	380 - 450V	-
500V	440 - 575V	-

Mounting and Connection

Mounting	180/220A frame	Holes for screw(M6) fixing	
	300/400A frame	Holes for screw(M8) fixing	
Connection	Main	180/220A frame	Screw(M10) terminal Cable capacity : 2~150mm ²
		300/400A frame	Screw(M12) terminal Cable capacity : 2~200mm ²
	Auxiliary / Coil		Screw(M4) clamp terminal

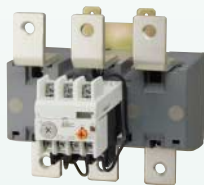
Certificate

CE, ULcUL, Lloyd, CCC(China)

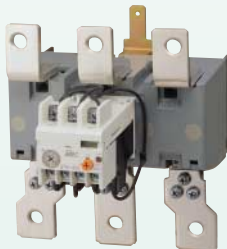
Ordering information

Specify type and coil voltage

Options



GT-220 for GMC-180, 220
Thermal (Bimetallic) style
→ page 92



GT-400 for GMC-300, 400
Thermal (Bimetallic) style
→ page 92

For more information

- Technical specification → page 123~157
- Drawings → page 169, 170
- Circuit diagrams → page 169, 170
- Reversing contactors → page 68
- Latching contactors → page 72
- Starters → page 52
- Overload relays → page 92
- UL rating → page 21



AU-100
Aux. contact unit
2pole for side mount
→ page 114



AR-180
Mechanical interlock unit
→ page 116



AL-220, 400
Mechanical latch unit
→ page 114



AS
Surge absorber unit
→ page 118



AD-100, 300
Delayed opening device
→ page 119



Terminal covers
→ page 117



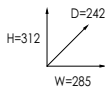
AI-180
Insulation barriers
→ page 118

3-pole Contactors

600A 800A

Description

- 3-pole main contact
- AC/DC common use coil built
- Wide coil operation voltage
- Screw mountable
- 2NO+2NC Auxiliary contacts built-in as standard
- Front/side mountable accessories available



3-pole Contactors with AC/DC common coil

Frame size	AC3 ratings (IEC60947-4)				AC1 lth	Auxiliary contact (standard)	Type
	220 ~ 240V	380 ~ 440V	500 ~ 550V	690V			
600A	190kW 630A	330kW 630A	330kW 500A	330kW 420A	660A	2NO+2NC	GMC-600
800A	220kW 800A	440kW 800A	550kW 720A	500kW 630A	900A	2NO+2NC	GMC-800

Coil voltage, AC/DC common

Nominal(ordering) voltage	AC 50/60Hz	DC
100V	100 - 127V	100 - 110V
200V	200 - 240V	200 - 220V
300V	265 - 347V	-
400V	380 - 450V	-
500V	440 - 575V	-

Mounting and Connection

Mounting	600/800A frame	Holes for screw(M10) fixing
Connection	Main	Screw(M16) terminal
	Auxiliary / Coil	Cable capacity : 80~325mm ²
		Screw(M4) clamp terminal

Certificate

CE, ULcUL, Lloyd, CCC(China)

Ordering information

Specify type and coil voltage

Options



GT-600
Thermal (Bimetallic) style
→ page 93



AU-100
Aux. contact unit
2pole for side mount
→ page 114



AD-600
Delayed opening device
→ page 114



Terminal covers
→ page 117



AI-600
Insulation barriers
→ page 118



AS
Surge absorber unit
→ page 118



AR-600
Mechanical interlock unit
→ page 116

For more information

- Technical specification → page 123~158
- Drawings → page 170
- Circuit diagrams → page 170
- Reversing contactors → page 68
- Starters → page 52
- Overload relays → page 93
- UL rating → page 21