

Table of Specifications

Midi 4-Pole Contactors



Frame size				
Type		Screw clamp terminal		
Number of poles				
Rated operational voltage (Ue)				
Rated insulation voltage (Ui)				
Rated frequency				
Rated impulse withstand voltage, Uimp				
Maximum operating rate in operating cycles per hour(AC1)				
Durability		Mechanical		
		Electrical		
Current and Power	AC-1	Thermal current	A	
		200/240V	kW	
		380/400V	kW	
			A	
		500/550V	kW	
			A	
	690V	kW		
		A		
UL rating (50/60Hz)		Continuous current		A
		Single	110~120V	HP
		Phase	220~240V	HP
			200~208V	HP
		Three	220~240V	HP
		Phase	440~480V	HP
			550~600V	HP
		NEMA Size		
Size and weight		AC	Weight	kg
		Control	Size(W × H × D)	mm
		DC	Weight	kg
		Control	Size(W × H × D)	mm
Auxiliary(standard)				
Auxiliary		Side Mount		
		Front Mount		

18AF		
CC9/4	CC12/4	CC18/4
●		
4pole		
690V		
690V		
50/60Hz		
6kV		
1800 operations per hour		
15 mil. Operations		
0.5 mil. Operations	0.8 mil. Operations	
25	25	40
9	9	15
25	25	40
17	17	27
25	25	40
21	21	35
25	25	40
27	27	44
25	25	40
25	25	32
0.5	0.75	1
1.5	2	3
2	3	5
3	5	7.5
5	7.5	10
7.5	10	15
00	0	0
0.33		
45 × 73.5 × 79		
0.5		
45 × 73.5 × 110.7		
-		
GUA1		
GUA2, GUA4		

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22AF
CC22/4
●
4pole
690V
690V
50/60Hz
6kV
1800 operations
15 mil. Operations
1 mil. Operations
40
15
40
27
40
35
40
44
40
32
2
3
7.5
7.5
10
15
1
0.4
47.2 × 80 × 86.8
0.5
47.2 × 80 × 113.2
-
GUA1
GUA2, GUA4

40AF
CC32/4
CC40/4
●
4pole
690V
690V
50/60Hz
6kV
1800 operations per hour
15 mil. Operations
1 mil. Operations
50
18
50
35
50
43
50
55
50
45
2
5
7.5
10
20
20
1
0.59
59 × 83.5 × 94.5
0.7
59 × 83.5 × 121
-
GUA1
GUA2, GUA4

85AF
CC50/4
CC65/4
CC75/4
CC85/4
●
4pole
690V
1000V
50/60Hz
8kV
1800 operations per hour
12 mil. Operations
1 mil. Operations
80
100
110
135
30
37
41
51
80
100
110
135
56
70
76
95
80
100
110
135
70
88
97
120
80
100
110
135
88
110
120
150
80
100
110
135
70
80
90
100
3
5
5
7.5
7.5
10
15
15
10
15
20
25
25
30
15
20
25
30
30
40
50
50
50
2
2
2
3
1.2
91 × 123.5 × 117.8
1.29
91 × 123.5 × 117.8
-
GUA1
GUA2, GUA4

Table of Specifications

Power 4-Pole Contactors



Frame size				
Type		Screw clamp terminal		
Number of poles				
Rated operational voltage (Ue)				
Rated insulation voltage (Ui)				
Rated frequency				
Rated impulse withstand voltage, Uimp				
Maximum operating rate in operating cycles per hour(AC1)				
Durability		Mechanical		
		Electrical		
Current and Power	AC-1	Thermal current	A	
		200/240V	kW	
		380/400V	kW	
		500/550V	kW	
		690V	kW	
UL rating (50/60Hz)	Continuous current		A	
		Single	110~120V	HP
		Phase	220~240V	HP
	Three	200~208V	HP	
		220~240V	HP	
		Phase	440~480V	HP
	550~600V	HP		
		NEMA Size		
Size and weight		AC	Weight	kg
		Control	Size(W × H × D)	mm
		DC	Weight	kg
		Control	Size(W × H × D)	mm
Auxiliary(standard)				
Auxiliary		Side Mount		
		Front Mount		

* - FLA = 722 A, LRA = 5618 A
 ** - FLA = 566 A, LRA = 4495 A

225AF				
CC100/4	CC130/4	CC150/4	CC185/4	CC225/4
●				
4pole				
690V				
1000V				
50/60Hz				
8kV				
1200 operations per hour				
15 mil. Operations				
0.8 mil. Operations				
160	165	250	300	330
57	60	76	87	100
150	155	200	230	260
106	110	142	165	185
150	155	200	230	260
132	137	180	205	230
150	155	200	230	260
165	170	225	255	290
150	155	200	230	260
160	160	210	230	275
7.5	10	15	15	15
15	20	25	30	40
30	40	40	60	60
30	40	50	60	75
60	75	100	125	150
60	75	100	125	150
3	3	4	4	4
5.6				
175 × 203 × 185				
2a2b				
AX100				
-				

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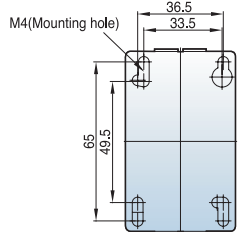
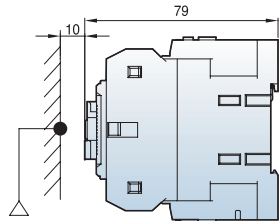
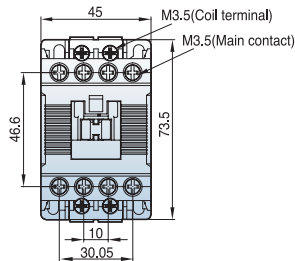


400AF		
CC265/4	CC330/4	CC400/4
●		
4pole		
690V		
1000V		
50/60Hz		
8kV		
1200 operations per hour		
15 mil. Operations		
0.5 mil. Operations		
360	420	500
115	135	160
300	350	420
215	250	300
300	350	420
265	315	375
300	350	420
335	390	470
300	350	420
300	350	450
-	-	-
-	-	-
75	100	125
100	100	150
200	200	300
200	200	300
5	5	5
9.9		
206 × 243 × 205		
2a2b		
AX100		
-		

800AF		
CC500/4	CC630/4	CC800/4
●		
4pole		
690V		
1000V		
50/60Hz		
8kV		
1200 operations per hour		
12 mil. Operations		
0.5 mil. Operations		
630	750	900
245	255	310
630	660	800
450	470	570
630	660	800
560	590	710
630	660	800
710	740	900
630	660	800
580	660	900
-	-	-
-	-	-
150	200	200
200	250	300
400	500	600 *
400	500	600 **
6	6	7
26.3		
346 × 310 × 244		
2a2b		
AX100		
-		

Contactors (CC9/4 ~ CC22/4)

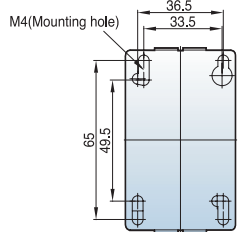
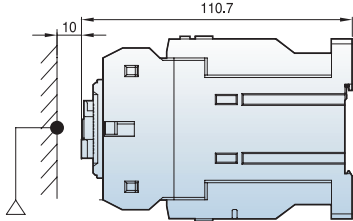
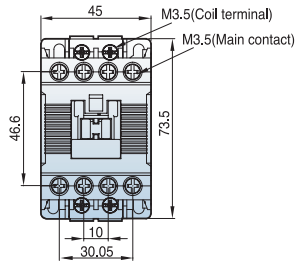
CC9/4 ~ CC18/4
 AC coil



[mm]

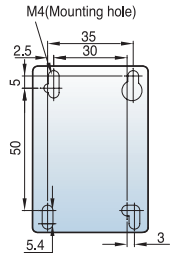
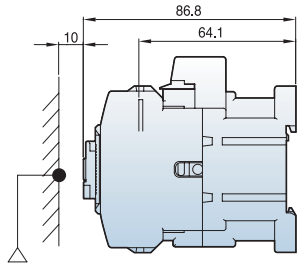
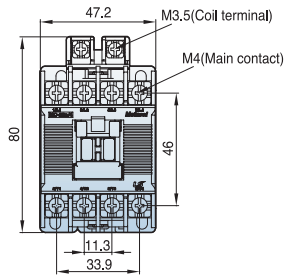
0.3kg

CC9/4 ~ CC18/4
 DC coil



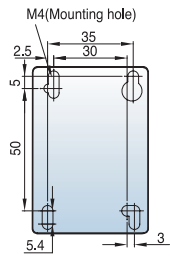
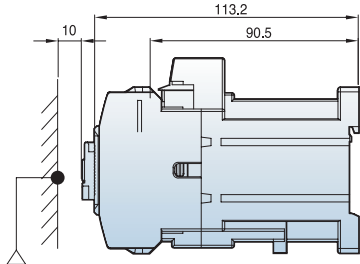
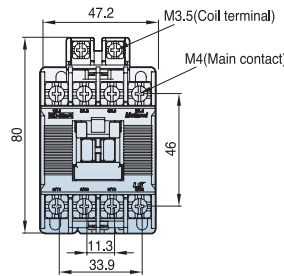
0.45kg

CC22/4
 AC coil



0.4kg

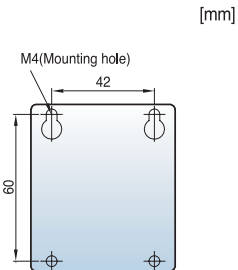
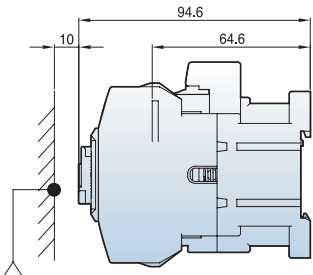
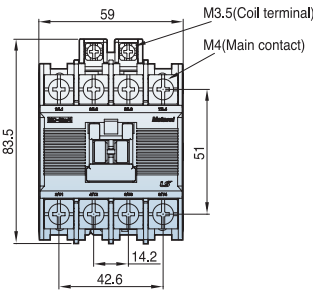
CC22/4
 DC coil



0.5kg

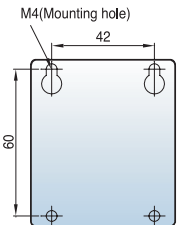
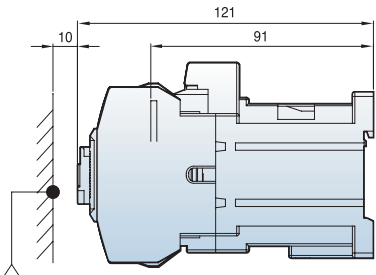
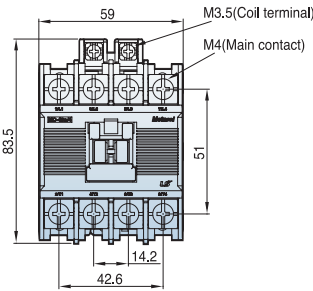
Contactors (CC32/4 ~ CC85/4)

CC32/4 ~ CC40/4
 AC coil



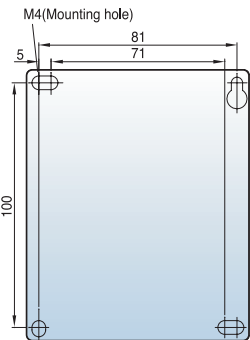
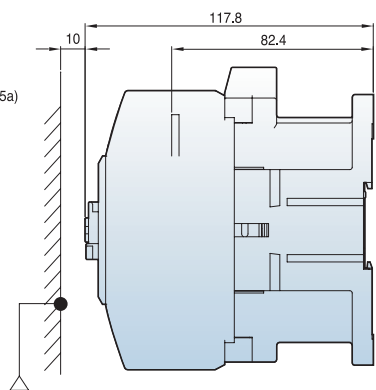
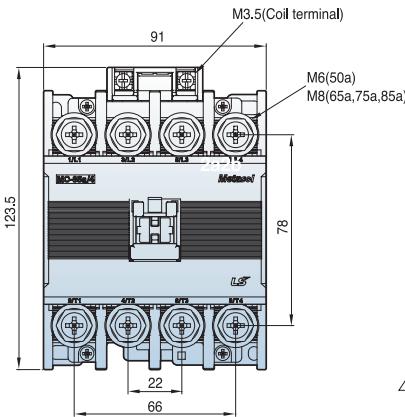
0.59kg

CC32/4 ~ CC40/4
 DC coil



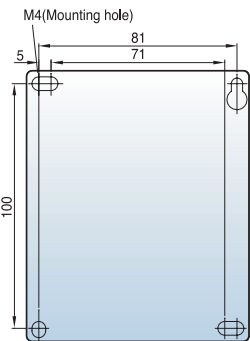
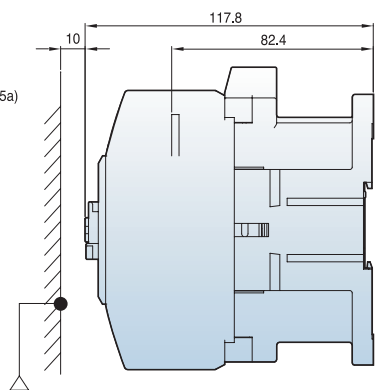
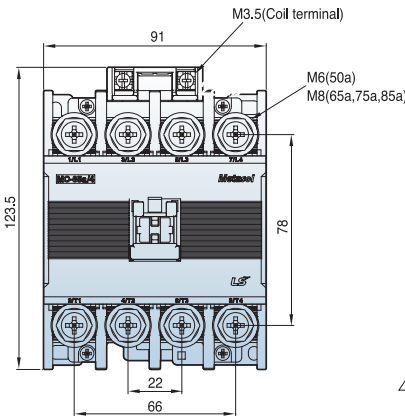
0.7kg

CC50/4 ~ CC85/4
 AC coil



1.2kg

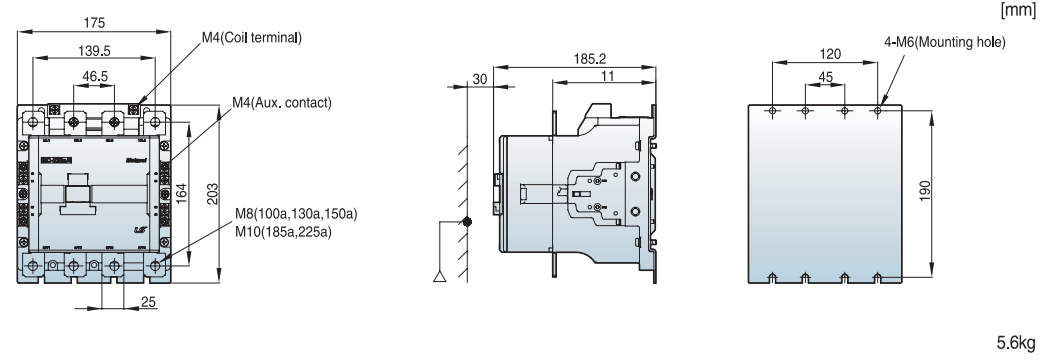
CC50/4 ~ CC85/4
 DC coil



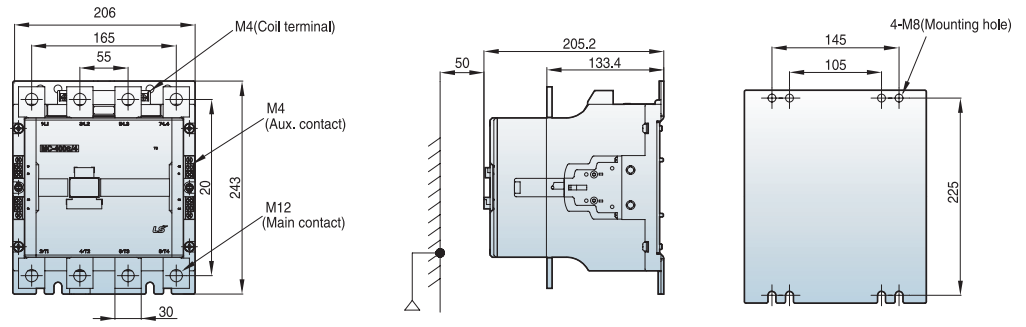
1.29kg

Contactors (CC100/4 ~ CC800/4)

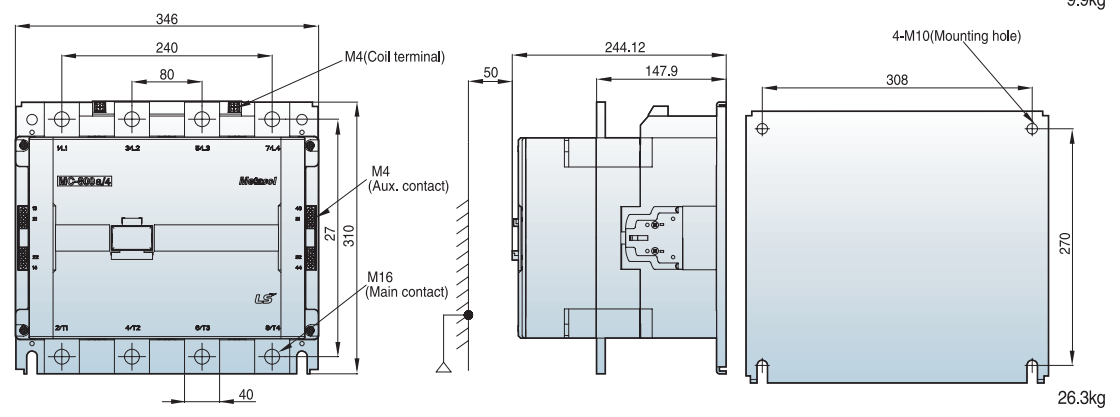
CC100/4 ~ CC225/4



CC265/4 ~ CC400/4



CC500/4 ~ CC800/4



Type Numbering System

Midi-Contactor

CC	9		S	A	120		
Magnetic 3-pole Midi-Contactor	Amperage Size	Type	Terminal Type	Coil Type	Coil Voltage	AC Coil Frequency	Auxiliary Contact s
	9 - 9A 12 - 12A 18 - 18A 22 - 22A 32 - 32A 40 - 40A 50 - 50A 65 - 65A 75 - 75A 85 - 85A 100 - 100A	BLANK - 3-pole /4 - 4-pole	S - Screw L - Lug (>50A)	A - AC type D - DC type	24 - 24V 120 - 120V & 600 - 600V	BLANK - 50/60 Hz 50Hz - 50Hz only 60Hz - 60Hz only	BLANK - standard arrangement NOAUX - no aux. contact (>=32A)

Overload

GT	32		S	0.16A
Bimetallic Midi-Overload	Frame Size	Class	Terminal Type (Must match contactor number)	Setting Ranges (Use upper limit in part)
	32 - 9, 12, 18A 22, 32, 40A 65 - 50, 65A 75 - 75, 85, 100A	BLANK class 10 L - class 20	S - Screw L - Lug (>35A)	0.1 ~ 0.16A 0.16 ~ 0.25A 0.25 ~ 0.4A 0.4 ~ 0.63A 0.63 ~ 1A 1 ~ 1.6A 1.6 ~ 2.5A 2.5 ~ 4A 4 ~ 6A 5 ~ 8A 6 ~ 9A 7 ~ 10A 9 ~ 13A 12 ~ 18A 16 ~ 22A 18 ~ 25A 22 ~ 32A 24 ~ 36A 28 ~ 40A 34 ~ 50A 45 ~ 65A 54 ~ 75A 63 ~ 85A 70 ~ 95A 80 ~ 100A (Setting Range Guide)

CGE	22	3P	22A
Electronic Midi Overload	Frame Size	Protection	Setting Range (Use upper limit in part)
	22 - 9, 12, 18, 22A 40 - 32, 40A 80 - 50, 65, 75, 85A	Direct Mount 22 and 40AF 2P - 2-Pole 3P - 3-Pole 3PR - 3-pole Separate Mount All CGE sizes 2S - 2-Pole 3S - 3-Pole 3SR - 3-Pole	CGE22 0.3 ~ 1.5A 1 ~ 5A 4.4 ~ 22A CGE40 4 ~ 20A 8 ~ 40A CGE80 16 ~ 80A

Tunel Type 22 and 40AF 2T - 2-Pole 3T - 3-Pole 3TR - 3-Pole	GT32 GT65 GT95
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Optional Accessories

Auxiliary contact unit

GUA1

11

Version	Contact composition
GUA1 Side mount	11 1NO+1NC
GUA2 Front mount(2P)	20 2NO
GUA4 Front mount(4P)	02 2NC
	40 4NO
	31 3NO+1NC
	22 2NO+2NC
	13 1NO+3NC
	04 4NC

Surge absorber

GUS11

Composition and voltage
1 Varistor+RC AC/DC 24~48V
2 Varistor+RC AC/DC 100~125V
3 Varistor+RC AC/DC 200~240V
4 Varistor+RC AC 380~440V
5 Varistor+RC AC 24~48V
6 Varistor+RC AC 100~125V
11 Varistor AC 200~240V
12 Varistor DC 24~48V
13 Varistor DC 100~125V
14 Varistor DC 200~220V
22 RC AC 100~125V

(Note) See page 52 for details.

Interlock unit

GUR02

Contact composition

02 2NC

Wire kit for Interlocking

GUW32

Frame size

22	22AF
32	32AF
63	63AF
95	95AF

Separate mounting unit (For relay)

GUZ32

Frame size

32	32AF
63	63AF
95	95AF
150	150AF

Remote reset unit (For relay)

GTTR-16

Cable length

16	400
20	500
24	600