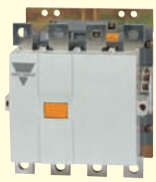
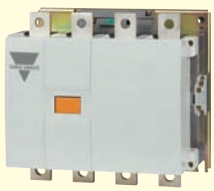
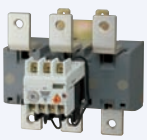
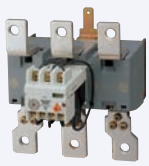
180A	220A	300A	400A	600A	800A
 See page 48 for more details		 See page 48 for more details		 See page 50 for more details	
CGC-180	CGC-220	CGC-300	CGC-400	CGC-600	CGC-800
kW A	kW A	kW A	kW A	kW A	kW A
230	**260**	**350**	**450**	**660**	**900**
55 180	75 250	90 300	125 400	190 630	220 800
90 180	**132 250**	**160 300**	**220 400**	**330 630**	**440 800**
110 180	132 200	160 250	225 350	330 500	550 720
110 120	132 150	200 220	250 300	330 420	500 630
hp A	hp A	hp A	hp A	hp A	hp A
230	275	350	450	660	900
15	15				
30	40				
60	60	100	125	150	250
60	75	100	150	200	300
125	**150**	**200**	**300**	**400**	**600**
125	150	200	300	400	600
4	4	5	5	6	7

AX-100
1NO+1NC, Side mount

 See page 58 for more details		 See page 60 for more details		 See page 60 for more details	
CGC-180/4	CGC-220/4	CGC-300/4	CGC-400/4	CGC-600/4	CGC-800/4
230	**260**	**350**	**420**	**660**	**800**

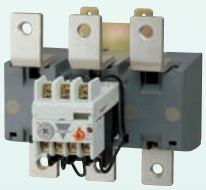
 CGT- 220 **Setting ranges (A)** 65 - 100 85 - 125 100 - 150 120 - 180 160 - 240	 CGT- 400 **Setting ranges (A)** 85 - 125 100 - 150 120 - 180 160 - 240 220 - 300 260 - 400	 CGT- 800 **Setting ranges (A)** 220 - 300 260 - 400 400 - 600 520 - 800
CGT-220	CGT-400	CGT-800
CGTH-220/3	CGTH-400/3	CGTH-800/3
CGTH-220	CGTH-400	CGTH-800
CGT-220/L	CGT-400/L	CGT-800/L

Options

AX-100
Aux. contact unit
2pole for side mount
page 116

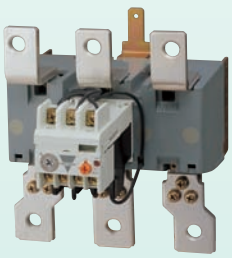
AR-400W
Mechanical interlock unit
page 118

AL-220, 400
Mechanical latch unit
page 119



CGT-220 for CGC-180, 220
Thermal (Bimetallic) style
page 68

AS
Surge absorber unit
page 120



CGT-400 for CGC-300, 400
Thermal (Bimetallic) style
page 68

AD-100, 300
Delayed opening device
page 121

Terminal covers
page 119

AI-180
Insulation barriers
page 120

For more information

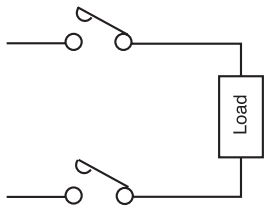
Technical specification	page 122~133
Drawings	page 142, 143
Circuit diagrams	page 142, 143
Reversing contactors	page 94
Latching contactors	page 98
Starters	page 82
Overload relays	page 68
UL rating	page 15

Technical informations

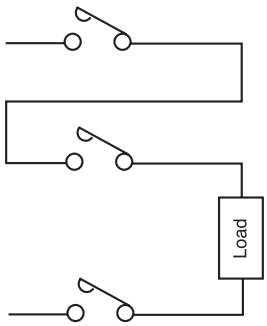
DC application

Type	Poles in series	Rated current (DC2, DC4) DC motor load (L/R=15ms)				Rated current (DC1) Resistant load (L/R=1ms)				Rated current (DC1) Coil load (L/R=100ms)			
		24V	48V	110V	220V	24V	48V	110V	220V	24V	48V	110V	220V
CGC-9A(D)	2	8	4	2.5	0.8	10	10	6	3	8	4	2	0.3
	3	8	6	4	2	10	10	8	8	8	6	3	0.8
CGC-12A(D)	2	12	6	4	1.2	12	12	10	7	12	6	3	0.5
	3	12	10	8	4	12	12	12	12	12	10	5	2
CGC-18A(D)	2	12	6	4	1.2	18	18	13	8	12	6	3	0.5
	3	12	10	8	4	18	18	18	18	12	10	5	2
CGC-22A(D)	2	20	15	8	2	20	20	15	10	20	12	3	1.2
	3	20	20	15	8	20	20	20	20	20	15	10	4
CGC-32A(D)	2	25	20	10	3	25	25	25	12	25	15	4	1.2
	3	25	25	20	10	25	25	25	22	25	25	12	4
CGC-40A(D)	2	35	20	10	3	35	35	25	12	35	15	4	1.2
	3	35	30	20	10	35	35	35	30	35	25	12	4
CGC-50A(D)	2	45	25	15	3.5	50	40	35	15				
	3	50	35	30	12	50	50	50	40				
CGC-65A(D)	2	45	25	15	3.5	50	40	35	15				
	3	50	35	30	12	65	65	65	50				
CGC-75A(D)	2	65	40	20	5	75	65	50	20				
	3	80	60	50	20	75	75	75	55				
CGC-85A(D)	2	65	40	20	5	80	65	50	20				
	3	80	60	50	20	80	80	80	60				
CGC-100	2	100	60	40	30	100	100	80	50				
	3	100	90	80	50	100	100	100	80				
CGC-125	2	120	60	40	30	120	100	80	50				
	3	120	90	80	50	120	120	100	80				
CGC-150	2	150	100	80	60	150	120	100	100				
	3	150	130	120	80	150	150	150	150				
CGC-180	2	180	150	120	80	180	180	150	150				
	3	180	180	150	100	180	180	180	180				
CGC-220	2	220	150	120	80	220	180	150	150				
	3	220	220	150	100	220	220	220	220				
CGC-300	2	300	200	150	90	300	240	200	200				
	3	300	280	200	150	300	300	300	300				
CGC-400	2	400	200	150	90	400	240	200	200				
	3	400	280	200	150	400	400	400	300				
CGC-600	2	630	630	630	630	630	630	630	630				
	3	630	630	630	630	630	630	630	630				
CGC-800	2	800	630	630	630	800	800	630	630				
	3	800	630	630	630	800	800	800	800				

2 poles in series



3 poles in series



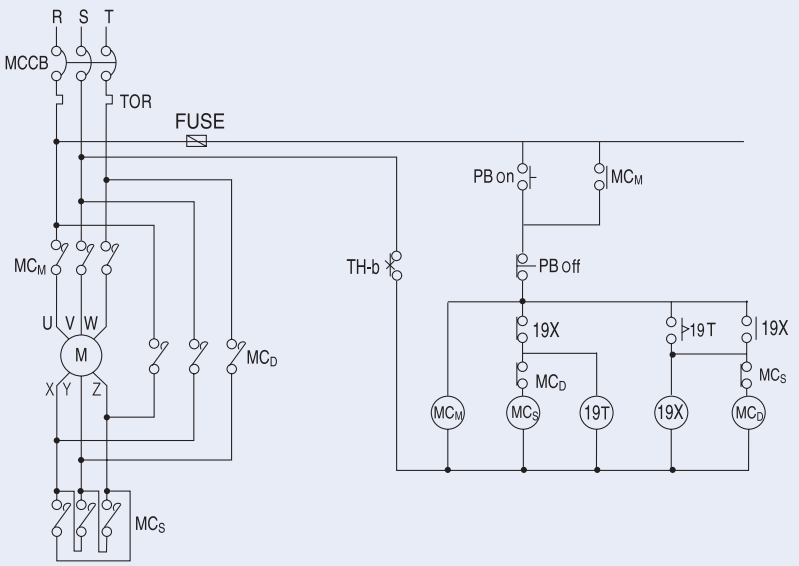
Ratings for star-delta use Contactor

Start method	Start (Star contactors)				Operate (Delta contactor)		
	Start current	Torque	Full load current	Contact voltage	Full load current	Contact current	Contact voltage
Direct	6Im	1.5T	6Im	Em/√3	Im	Im	Em/√3
Star - delta	2Im	0.5T	2Im	Em/√3	Im	Im/√3	Em

Contactor selection for star-delta use

Motor ratings		200~220V			380~480V		
(kW)	(HP)	Start use(MCs)	Operate use(MCD)	Power(MCM)	Start use(MCs)	Operate use(MCD)	Power(MCM)
5.5	7.5	CGC-9A	CGC-18A	CGC-18A	CGC-9A	CGC-12A	CGC-12A
7.5	10	CGC-12A	CGC-18A	CGC-18A	CGC-9A	CGC-18A	CGC-18A
11	10	CGC-18A	CGC-32A	CGC-32A	CGC-12A	CGC-18A	CGC-18A
15	20	CGC-22A	CGC-50A	CGC-50A	CGC-18A	CGC-18A	CGC-18A
18.5	25	CGC-32A	CGC-50A	CGC-50A	CGC-18A	CGC-22A	CGC-22A
22	30	CGC-32A	CGC-65A	CGC-65A	CGC-18A	CGC-32A	CGC-32A
30	40	CGC-65 A	CGC-85A	CGC-85A	CGC-22A	CGC-50A	CGC-50A
37	50	CGC-65A	CGC-100	CGC-100	CGC-32A	CGC-50A	CGC-50A
45	50	CGC-75A	CGC-125	CGC-125	CGC-32A	CGC-65A	CGC-65A
55	60	CGC-85A	CGC-150	CGC-150	CGC-50A	CGC-85A	CGC-85A
75	100	CGC-100	CGC-180	CGC-180	CGC-65A	CGC-100	CGC-100
90	125	CGC-125	CGC-220	CGC-220	CGC-65A	CGC-125	CGC-125
110	125	CGC-150	CGC-300	CGC-300	CGC-85A	CGC-150	CGC-150
132	150	CGC-180	CGC-300	CGC-300	CGC-100	CGC-180	CGC-180
160	200	CGC-220	CGC-400	CGC-400	CGC-125	CGC-220	CGC-220
250	300	CGC-300	CGC-600	CGC-600	CGC-150	CGC-300	CGC-300
300	400	CGC-400	CGC-600	CGC-600	CGC-220	CGC-400	CGC-400

Note) 1. Above selection is made under AC3 standard squirrel cage motor use basis.
The selection may be changed according to the motor class or manufacturer
2. The motor start time is within 15sec
3. When you use phase advanced condenser, consider the inrush current for selection.



MCM	Contactor for power use
MCD	Contactor for operate use
MCS	Contactor for start use
19T	Timer
19X	Contactor relay
TOR	Thermal overload relay

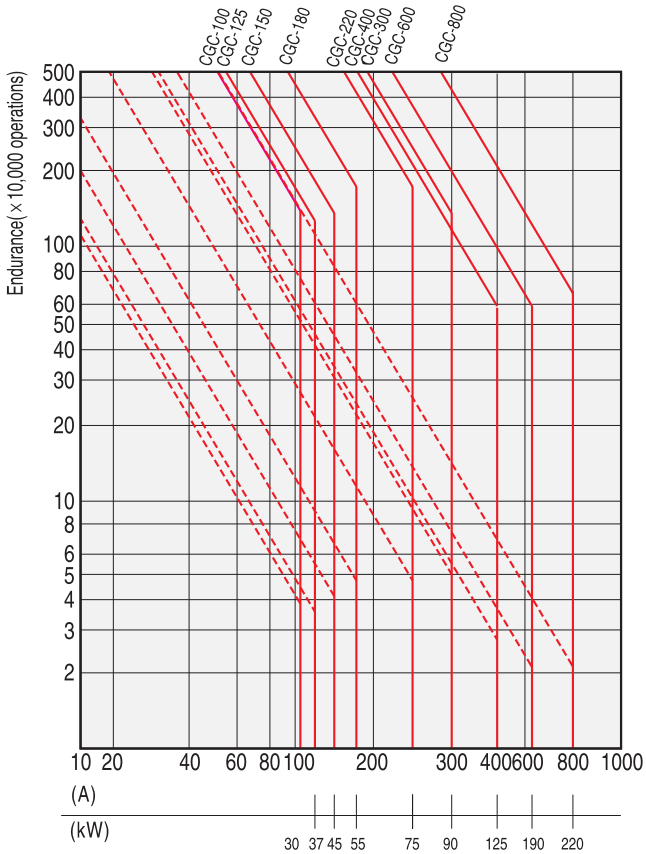
(Pig 1) Example of a wiring diagram for star-delta combination

Contactors with protection fuses

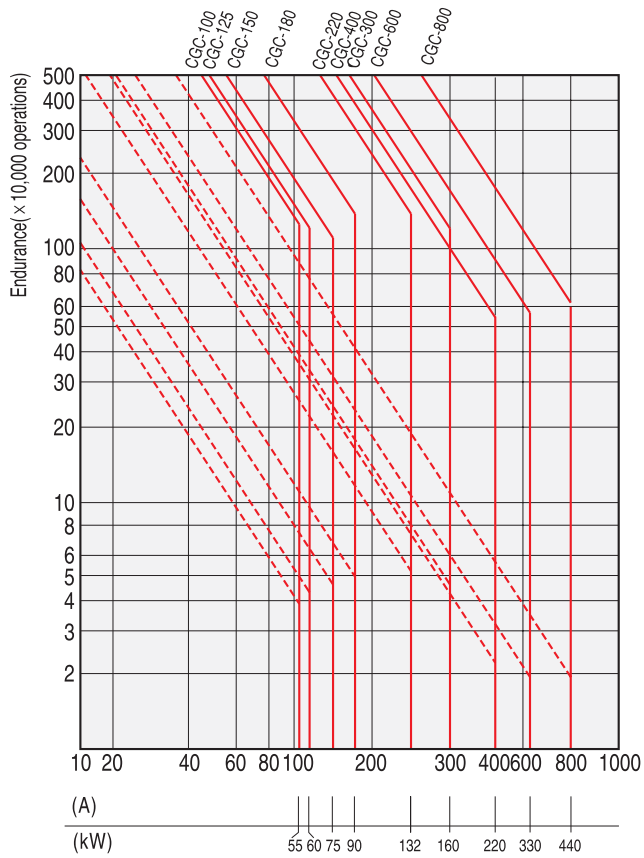
Type	AC1(A)	690V AC3 Ie(A)	Short-circuit test	
			Fuse available fault current 100,000A	Ue / "r"
CGC-9A	20	5	gL/gG 25A	690V/1kA
CGC-12A	20	9	gL/gG 32A	690V/1kA
CGC-18A	25	9	gL/gG 35A	690V/3kA
CGC-22A	32	18	gL/gG 50A	690V/3kA
CGC-32A	50	20	gL/gG 63A	690V/3kA
CGC-40A	60	23	gL/gG 80A	690V/3kA
CGC-50A	80	28	gL/gG 100A	690V/3kA
CGC-65A	100	35	gL/gG 100A	690V/3kA
CGC-75A	110	42	gL/gG 100A	690V/3kA
CGC-85A	135	45	gL/gG 200A	690V/3kA
CGC-100	150	65	gL/gG 150A	690V/5kA
CGC-125	150	70	gL/gG 160A	690V/5kA
CGC-150	200	100	gL/gG 200A	690V/5kA
CGC-180	230	120	gL/gG 225A	690V/5kA
CGC-220	260	150	gL/gG 250A	690V/10kA
CGC-300	350	220	gL/gG 355A	690V/10kA
CGC-400	420	300	gL/gG 400A	690V/10kA
CGC-600	660	420	gL/gG 630A	690V/18kA
CGC-800	800	630	gL/gG 800A	690V/18kA

Note) Tables are based on a combination of tests on a previous range and technical comparison.

3 phase / AC 220~240V



3 phase / AC 380~440V



Technical informations

Ratings of Auxiliary contacts

Type	Rated current(A)																AC1 (Ith) A
	AC13				DC 13				AC 12				DC 13				
	110V	120V	440V	550V	24V	48V	110V	220V	110V	220V	440V	550V	24V	48V	110V	220V	
CGC-9A(D)~22A(D)	6	3	1.5	1.2	3	1.5	0.55	0.27	10	8	5	5	5	3	2.5	1	16
CGC-32A(D)~85A(D)	6	3	1.5	1.2	3	1.5	0.55	0.27	10	8	5	5	5	3	2.5	1	16
CGC-100~800	6	5	3	3	6	3	1.2	0.2	10	10	5	5	5	3	1.5	0.25	16

Coil characteristics

Operating limits

When the operating coil is in the energized state an operating tolerance of between 85~110% of the coil's rated voltage is permitted, at temperatures up to 40℃ at standard operating frequency. Operation out with the above may cause deterioration to electrical insulation and mechanical operation.

Selections of coil

In CGC-9A~85A contactors, 50Hz coil and 60Hz coil are separated.
But in CGC-100~800 contactors, the coils are AC/DC common use. (under DC 220V)

Characteristics of AC coil

AC 220V

Type	Coil consumption (VA)		Thermal dissipation (W)	Operational voltage(V)		Coil current (mA)	Operational time (ms)	
	Inrush	Holding		Pick-up	Drop-out		Closing	Opening
CGC-9A(/4)~22A(/4)	95	9	2	141~156(142~157)*	105~125(112~132)*	41(36)	10~17	6~9
CGC-32A(/4), 40A(/4)	95	9	2	150~165(151~166)*	110~130(117~137)*	41(36)	11~19	6~10
CGC-50A(/4)~85A(/4)	220	17	5	145~160(146~161)*	100~120(107~127)*	77(68)	16~25	8~15
CGC-100, 125	298	12.3	4.4	77	48	56	30~34	63~67
CGC-150	298	12.3	4.4	77	48	56	37~41	47~52
CGC-180, 200	380	11.6	4.7	77	48	53	45	45
CGC-100(/4)~220(/4)	380	11.6	4.7	77	48	53	45	45
CGC-300(/4), 400(/4)	571	14	5	77	48	64	45~50	48~52
CGC-600(/4), 800(/4)	1000	29	7.8	150	91	132	66~69	55

Note) 1. Average values. 2. ( )* values for 50Hz.

AC 110V

Type	Coil consumption (VA)		Thermal dissipation (W)	Operational voltage(V)		Coil current (mA)	Operational time (ms)	
	Inrush	Holding		Pick-up	Drop-out		Closing	Opening
CGC-9A(/4)~22A(/4)	95	9	2	75~85(74~84)*	55~65(54~64)*	73(73)*	11~18	6~9
CGC-32A(/4), 40A(/4)	95	9	2	75~85(74~84)*	55~65(54~64)*	73(73)*	13~20	6~9
CGC-50A(/4)~85A(/4)	220	17	5.5	68~78(67~77)*	40~50(39~49)*	154(154)*	16~25	9~16
CGC-100, 125	162	9.8	3.1	77	48	89	46~50	49~53
CGC-150	162	12.2	3	77	48	111	56~60	44~48
CGC-180, 200	220	9.1	3.4	77	48	83	60	41
CGC-100(/4)~220(/4)	220	9.1	3.4	77	48	83	60	41
CGC-300(/4), 400(/4)	393	14	4.4	77	48	128	64~68	43~47
CGC-600(/4), 800(/4)	1000	17	6.3	77	48	155	66~70	45~49

Note) 1. Average values. 2. ( )* values for 50Hz.

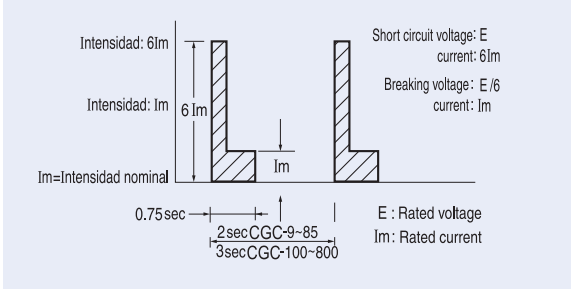
Characteristics of DC coil

DC 110V

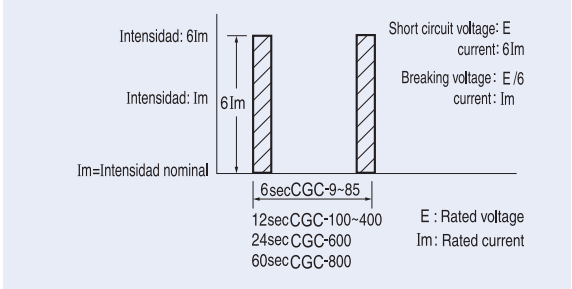
Type	Coil consumption (VA)		Thermal contact (W)	Operational voltage(V)		Coil current (mA)	Operational time (ms)	
	Inrush	Holding		Pick-up	Drop-out		Closing	Opening
CGC-9D(/4)~22D(/4)	9	9	50	60~75	15~35	82	45~55	8~15
CGC-32D(/4), 40D(/4)	9	9	50	60~75	15~35	82	45~55	8~15
CGC-50D(/4)~85D(/4)	220	5	-	65~80	15~35	46	20~30	13~20

Type	Rated voltage (V)	Rated current (A)	Short circuit max. current	Breaking capacity	Cycles per hour at AC3	Endurance (×10,000 operations)		Performance Indicate
						Mechanical	Electrical	
CGC-9A	220	11	132	110	1800	2500	250	AC3 · 1 · 0-0
	440	9	108	90				
CGC-12A	220	13	156	130	1800	2500	250	AC3 · 1 · 0-0
	440	12	144	120				
CGC-18A	220	18	216	180	1800	2500	250	AC3 · 1 · 0-0
	440	18	216	180				
CGC-22A	220	22	264	220	1800	2500	250	AC3 · 1 · 0-0
	440	22	264	220				
CGC-32A	220	32	385	320	1800	1500	200	AC3 · 1 · 0-0
	440	32	385	320				
CGC-40A	220	40	480	400	1800	1500	200	AC3 · 1 · 0-0
	440	40	480	400				
CGC-50A	220	55	660	550	1200	1000	200	AC3 · 1 · 0-0
	440	50	600	500				
CGC-65A	220	65	780	650	1200	1000	200	AC3 · 1 · 0-0
	440	65	780	650				
CGC-75A	220	75	900	750	1200	1000	200	AC3 · 1 · 0-0
	440	75	900	750				
CGC-85A	220	80	960	800	1200	1000	200	AC3 · 1 · 0-0
	440	80	960	800				
CGC-100	220	105	1050	1050	1200	500	100	AC3 · 1 · 1-0
	440	105	1050	1050				
CGC-125	220	125	1250	1250	1200	500	100	AC3 · 1 · 1-0
	440	120	1200	1200				
CGC-150	440	150	1500	1500	1200	500	100	AC3 · 1 · 1-0
	440	150	1500	1500				
CGC-180	220	180	1800	1800	1200	500	100	AC3 · 1 · 1-0
	440	180	1800	1800				
CGC-220	220	220	2200	2200	1200	500	100	AC3 · 1 · 1-0
	440	220	2200	2200				
CGC-300	220	300	3000	3000	1200	500	100	AC3 · 1 · 1-0
	440	300	3000	3000				
CGC-400	220	400	4000	4000	1200	500	50	AC3 · 1 · 1-1
	440	400	4000	4000				
CGC-600	220	630	6300	6300	1200	500	50	AC3 · 1 · 1-1
	440	630	6300	6300				
CGC-800	220	800	8000	8000	1200	500	50	AC3 · 1 · 1-1
	440	800	8000	8000				

Test duty of the electrical endurance (AC3)



Test duty of the electrical endurance (AC4)



Technical informations

Cabling and tightening torque

3-pole Contactors

Type	Cable section			Screw size		Torque(Nm)	
	AWG /MCM	ISOmm² MIN	ISOmm² MAX	Contactor terminal	Coil terminal	Principal main	Aux.
CGC-9A	10 AWG	1,5	4	M4	M3.5	2,3	2,3
CGC-12A	10 AWG	1,5	4	M4	M3.5	2,3	2,3
CGC-18A	10 AWG	1,5	6	M4	M3.5	4	2,3
CGC-22A	8 AWG	2,5	10	M4	M3.5	4	2,3
CGC-32A	6 AWG	4	16	M5	M3.5	4	2,3
CGC-40A	6 AWG	4	16	M5	M3.5	4	2,3
CGC-50A	4 AWG	6	25	M6	M3.5	5	2,3
CGC-65A	2 AWG	10	35	M8	M3.5	5	2,3
CGC-75A	2 AWG	10	35	M8	M3.5	5	2,3
CGC-85A	0 AWG	10	50	M8	M3.5	5	2,3
CGC-100	00 AWG	25	70	M8	M4	9	2,3
CGC-125	00 AWG	25	70	M8	M4	9	2,3
CGC-150	0000 AWG	35	95	M8	M4	9	2,3
CGC-180	250 MCM	50	120	M10	M4	15	2,3
CGC-220	300 MCM	70	150	M10	M4	15	2,3
CGC-300	500 MCM	95	240	M12	M4	23	2,3
CGC-400	N°2 30×5	150		M12	M4	23	2,3
CGC-600	N°2 50×5	240		M16	M4	57	2,3
CGC-800	N°2 60×5	240		M16	M4	57	2,3

4-pole Contactors

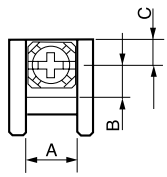
Type	Cable section		Screw size		Torque(Nm)	
	AWG/MCM	ISOmm²	Contactor terminal	Coil terminal	Principal main	Aux.
CGC-9A/4	10 AWG	4	M3.5	M3.5	2,3	2,3
CGC-12A/4	10 AWG	4	M3.5	M3.5	2,3	2,3
CGC-18A/4	8 AWG	6	M4	M3.5	4	2,3
CGC-22A/4	8 AWG	10	M4	M3.5	4	2,3
CGC-32A/4	6 AWG	16	M5	M3.5	4	2,3
CGC-40A/4	6 AWG	16	M5	M3.5	4	2,3
CGC-50A/4	4 AWG	25	M6	M3.5	5	2,3
CGC-65A/4	2 AWG	35	M8	M3.5	5	2,3
CGC-75A/4	2 AWG	35	M8	M3.5	5	2,3
CGC-85A/4	0 AWG	50	M8	M3.5	5	2,3
CGC-100/4	00 AWG	70	M8	M4	9	2,3
CGC-125/4	00 AWG	70	M8	M4	9	2,3
CGC-150/4	0000 AWG	95	M8	M4	9	2,3
CGC-180/4	250 MCM	120	M10	M4	15	2,3
CGC-220/4	300 MCM	150	M10	M4	15	2,3
CGC-300/4	500 MCM	240	M12	M4	23	2,3
CGC-400/4	N°2 30×5	150	M12	M4	23	2,3
CGC-600/4	N°2 50×5	240	M16	M4	57	2,3
CGC-800/4	N°2 60×5	240	M16	M4	57	2,3

Thermal overload relays

Type	Setting range	Cable selection AWG /MCM	Cable selection ISOmm²	Torque (Nm)	Tornillo screw size
CGT(H)-22	0.1~0.16	18AWG	1,5	2,3	M4
	0.16~0.25	18AWG	1,5	2,3	M4
	0.25~0.4	18AWG	1,5	2,3	M4
	0.4~0.63	18AWG	1,5	2,3	M4
	0.63~1	18AWG	1,5	2,3	M4
	1~1.6	18AWG	1,5	2,3	M4
	1.6~2.5	18AWG	1,5	2,3	M4
	2.5~4	18AWG	1,5	2,3	M4
	4~6	18AWG	1,5	2,3	M4
	5~8	16AWG	1,5	2,3	M4
	6~9	16AWG	1,5	2,3	M4
	7~10	16AWG	1,5	2,3	M4
	9~13	14AWG	1,5-2,5	2,3	M4
	12~18	12AWG	2,5	2,3	M4
	16~22	10AWG	2,5-4,0	2,3	M4
CGT(H)-40	4~6	18AWG	1,5	4	M5
	5~8	16AWG	1,5	4	M5
	6~9	16AWG	1,5	4	M5
	7~10	16AWG	1,5	4	M5
	9~13	14AWG	1,5-2,5	4	M5
	12~18	12AWG	2,5	4	M5
	16~22	10AWG	2,5-4,0	4	M5
	18~26	10AWG	2,5-6,0	4	M5
	24~36	10AWG	4,0-10	4	M5
	28~40	10AWG	6,0-10	4	M5
CGT(H)-85	7~10	16AWG	1,5	5,1	M6
	9~13	14AWG	1,5-2,5	5,1	M6
	12~18	12AWG	2,5	5,1	M6
	16~22	10AWG	2,5-4,0	5,1	M6
	18~26	10AWG	2,5-6,6	5,1	M6
	24~36	10AWG	4,0-10	5,1	M6
	28~40	10AWG	6,0-10	5,1	M6
	34~50	6AWG	10-16	5,1	M6
	45~65	4AWG	10-25	5,1	M8
	54~75	4AWG	16-25	5,1	M8
	63~85	3AWG	16-35	5,1	M8
	34~50	6AWG	10-16	9	M8
CGT(H)-125	39~57	6AWG	10-16	9	M8
	43~65	4AWG	10-25	9	M8
	54~80	4AWG	16-25	9	M8
	65~100	2AWG	25-35	9	M8
	85~125	1AWG	35-50	9	M8
CGT(H)-150	34~50	6AWG	10-16	9	M8
	39~57	6AWG	10-16	9	M8
	43~65	4AWG	10-25	9	M8
	54~80	4AWG	16-25	9	M8
	65~100	2AWG	25-35	9	M8
	85~125	1AWG	35-50	9	M8
	100~150	00AWG	35-70	9	M8
CGT(H)-220	65~100	2AWG	25-35	15	M10
	85~125	1AWG	35-50	15	M10
	100~160	00AWG	35-70	15	M10
	120~180	000AWG	50-95	15	M10
	160~240	250AWG	70-120	15	M10
CGT(H)-400	85~125	1AWG	35-50	23	M12
	100~160	00AWG	35-70	23	M12
	120~180	000AWG	50-95	23	M12
	160~240	250AWG	70-120	23	M12
	200~300	400AWG	95-185	23	M12
	260~400	500AWG	150-240	23	M12
CGT(H)-800	200~300	400AWG	95-185	57	M16
	260~400	500AWG	150-240	57	M16
	400~600	N°2 40×5	150-185	57	M16
	520~800	N°2 60×5	185-240	57	M16

Terminal dimensions

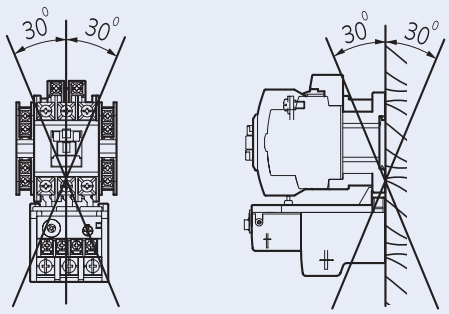
Type	Dimensions of terminal				Type	Dimensions of terminal			
	Main circuit		Auxiliary circuit			Main circuit		Auxiliary circuit	
	Tornillo screw	A×B×C (mm)	Tornillo screw	A×B×C (mm)		Tornillo screw	A×B×C (mm)	Tornillo screw	A×B×C (mm)
CGC-9A(/4)	M4	9.5×5×4.9	M3.5	8×5×4.9	CGT(H)-22	M4	10×6.5×5	M3.5	7.8×4.3×7.3
CGC-12A(/4)	M4	9.5×5×4.9	M3.5	8×5×4.9					
CGC-18A(/4)	M4	9.5×5×4.9	M3.5	8×5×4.9					
CGC-22A(/4)	M4	9.5×5×4.9	M3.5	8×5×4.9					
CGC-32A(/4)	M5	12.4×6.5×6	M3.5	8×5×4.9	CGT(H)-40	M5	12.4×6.2×6.3	M3.5	7.8×4.3×7.3
CGC-40A(/4)	M5	12.4×6.5×6	M3.5	8×5×4.9					
CGC-50A(/4)	M6	17.5×7×8.7	M3.5	8×5×4.9	CGT(H)-85	M6	19×8.5×9	M3.5	7.8×4.3×7.3
CGC-65A(/4)	M8	17.5×7×8.7	M3.5	8×5×4.9					
CGC-75A(/4)	M8	17.5×7×8.7	M3.5	8×5×4.9		M8	19×8.5×9	M3.5	7.8×4.3×7.3
CGC-85A(/4)	M8	17.5×7×8.7	M3.5	8×5×4.9					
CGC-100(/4)	M8	15×8.5×9.5	M4	10.8×4.1×4.1	CGT(H)-125	M8	15×9.5×9	M4	8.2×4.1×5.2
CGC-125(/4)	M8	15×8.5×9.5	M4	10.8×4.1×4.1					
CGC-150(/4)	M8	20.5×10×9	M4	10.8×4.1×4.1	CGT(H)-150	M8	20×10×10	M4	8.2×4.1×5.2
CGC-180(/4)	M10	25×12.5×15	M4	10.8×4.1×4.1	CGT(H)-220	M10	25×12.5×13.5	M3.5	7.7×5×4.5
CGC-220(/4)	M10	25×12.5×15	M4	10.8×4.1×4.1					
CGC-300(/4)	M12	30×14.5×20	M4	10.8×4.1×4.1	CGT(H)-400	M12	30×15×11	M3.5	7.7×5×4.5
CGC-400(/4)	M12	30×14.5×20	M4	10.8×4.1×4.1					
CGC-600(/4)	M16	40×20×40.5	M4	10.8×4.1×4.1	CGT(H)-800	M16	30×11.2×23.2	M3.5	7.7×5×4.5
CGC-800(/4)	M16	40×20×40.5	M4	10.8×4.1×4.1					



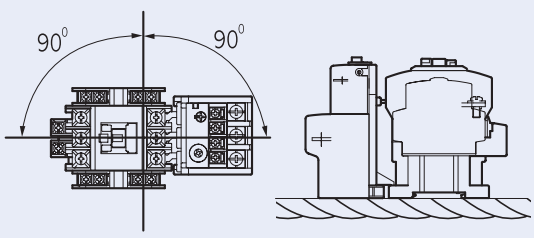
Installation and environment

Installation

1) Operating position



Normal installation



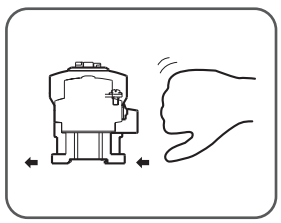
Horizontal or vertical installation

• In special installations, the endurance and other characteristics may be deteriorated.

DIN rail(CGC-9A~85A)

• 35mm DIN rail

Installation



Un-install

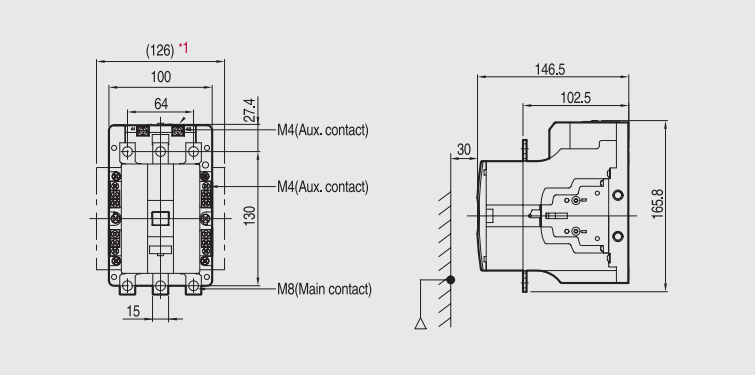
Environment

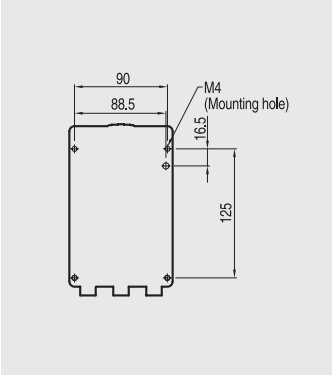
1) Ambient temperature
   • -25~40℃
2) Storage temperature
   • -30~65℃
3) Altitude : below 2,000m
4) Do not install below freezing point.

Dimensions

3-pole Contactors

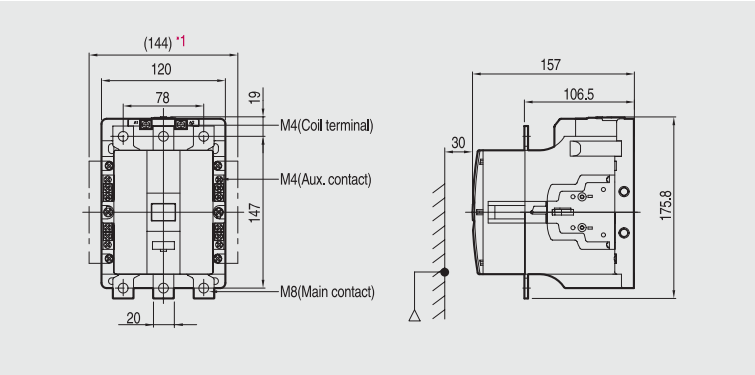
CGC-100
CGC-125

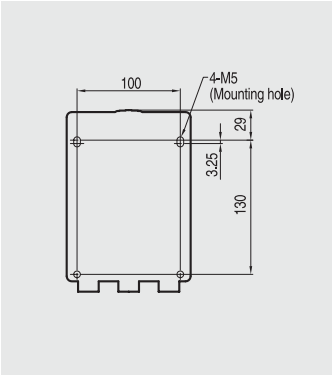




2.9kg

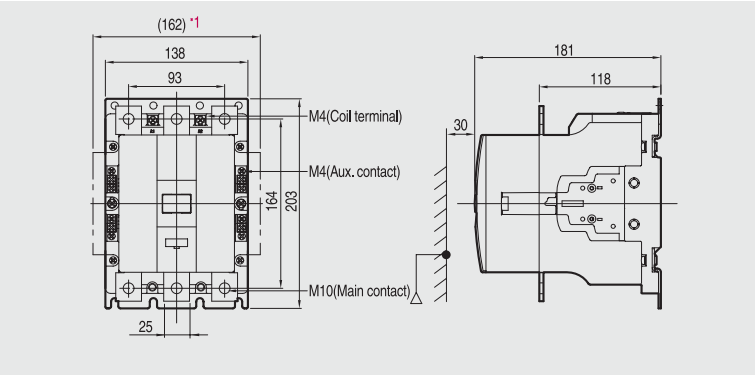
CGC-150

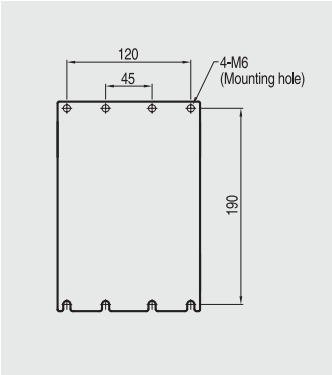




3.4kg

CGC-180
CGC-220

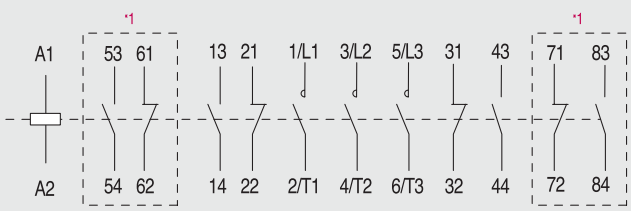




5.4kg

Circuit diagram

CGC-100~220



*1 : Optional auxiliary contact unit (side mount type)