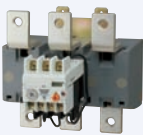
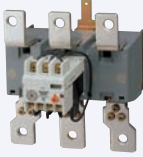


180A		220A		300A		400A		600A		800A	
											
		See page 48 for more details				See page 48 for more details				See page 50 for more details	
CGC-180		CGC-220		CGC-300		CGC-400		CGC-600		CGC-800	
kW	A	kW	A	kW	A	kW	A	kW	A	kW	A
	230		260		350		450		660		900
55	180	75	250	90	300	125	400	190	630	220	800
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	See page 60 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

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

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 180A	90kW 180A	110kW 180A	110kW 120A	230A	2NO+2NC	CGC-180
220A	75kW	132kW	132kW	132kW	275A	2NO+2NC	CGC-220

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 300A	160kW 300A	160kW 250A	200kW 220A	350A	2NO+2NC	CGC-300
400A	125kW 400A	220kW 400A	225kW 350A	250kW 300A	450A	2NO+2NC	CGC-400

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

Ordering information

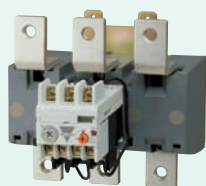
Specify type and coil voltage



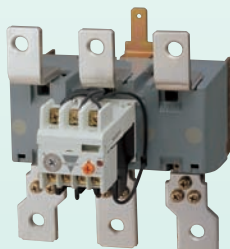
Certificate

CE, ULcUL, Lloyd, CCC(China)

Options



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



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

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



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



AS
Surge absorber unit
→ page 120



AD-100, 300
Delayed opening device
→ page 121



Terminal covers
→ page 119



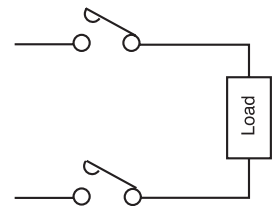
AI-180
Insulation barriers
→ page 120

Technical informations

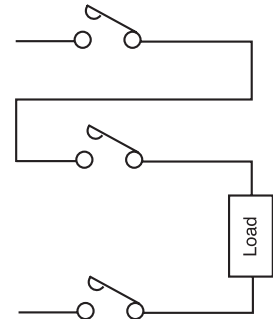
DC application

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

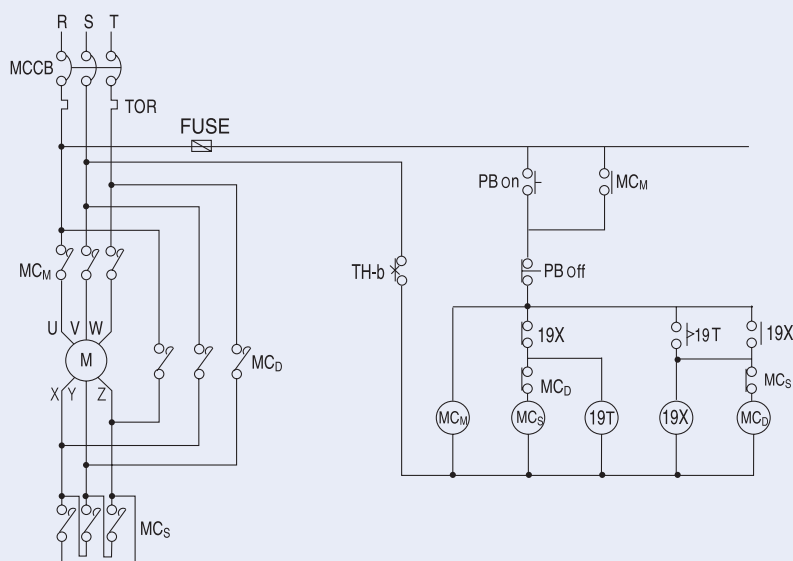


CARLO GAVAZZI

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	$E_m/\sqrt{3}$	Im	Im	$E_m/\sqrt{3}$
Star - delta	2Im	0.5T	2Im	$E_m/\sqrt{3}$	Im	$Im/\sqrt{3}$	Em

Motor ratings		200~220V			380~480V		
(kW)	(HP)	Start use(MC _S)	Operate use(MC _D)	Power(MC _M)	Start use(MC _S)	Operate use(MC _D)	Power(MC _M)
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

MC_M	Contactora para uso de potencia
MC_D	Contactora para uso de maniobra
MC_S	Contactora para uso de arranque
19T	Temporizador
19X	Relé de contactor
TOR	Relé de sobrecarga térmica



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Technical informations

Short circuit coordination

Contactors with protection fuses

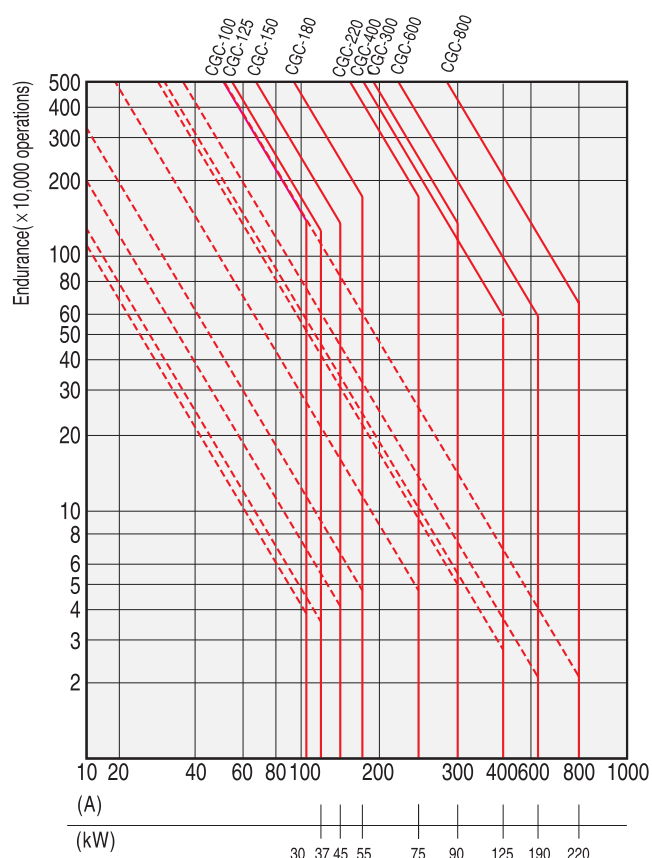
Type	AC1(A)	690V AC3 Ie(A)	Short-circuit test	
			Fuse available fault current 100,000A	Ue / "r"
CGC-9A	20	5	gL/gG 25A	690V/1kA
CGC-12A	20	9	gL/gG 32A	690V/1kA
CGC-18A	25	9	gL/gG 35A	690V/3kA
CGC-22A	32	18	gL/gG 50A	690V/3kA
CGC-32A	50	20	gL/gG 63A	690V/3kA
CGC-40A	60	23	gL/gG 80A	690V/3kA
CGC-50A	80	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.

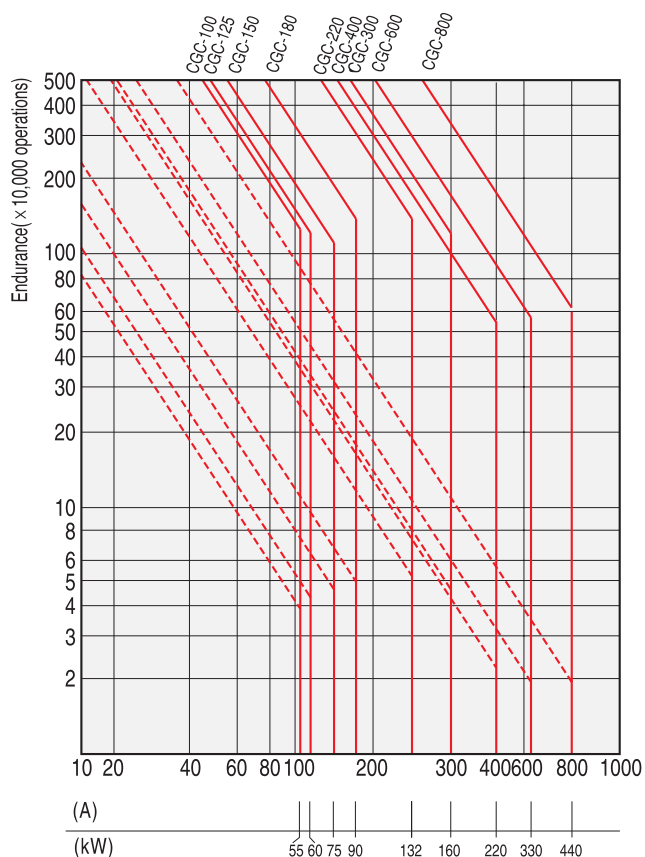
Electrical lifetime : CGC-100 to 800

CARLO GAVAZZI

3 phase /
AC 220~240V



3 phase /
AC 380~440V



Technical informations

Ratings of Auxiliary contacts

Type	Rated current(A)																AC1 (lth) 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

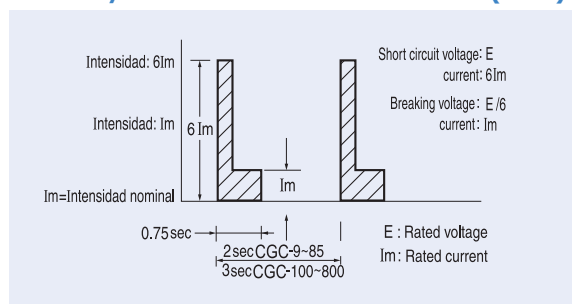
Type	Coil consumption (VA)		Thermal contact (W)	Operational voltage(V)		Coil current (mA)	Operational time (ms)	
	Inrush	Holding		Pick-up	Drop-out		Closing	Opening
CGC-9D(/4)~22D(/4)	9	9	50	60~75	15~35	82	45~55	8~15
CGC-32D(/4), 40D(/4)	9	9	50	60~75	15~35	82	45~55	8~15
CGC-50D(/4)~85D(/4)	220	5	-	65~80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

Performance of Contactors

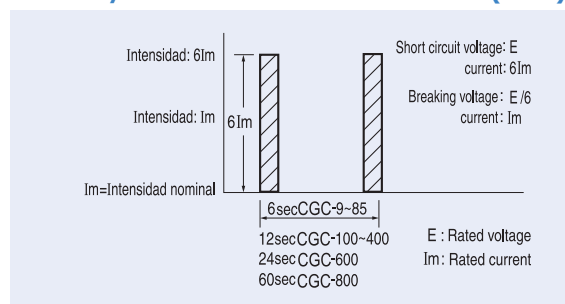
CARLO GAVAZZI

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	ISOmm ² MIN MAX	Contacto 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	ISOmm ²	Contacto 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

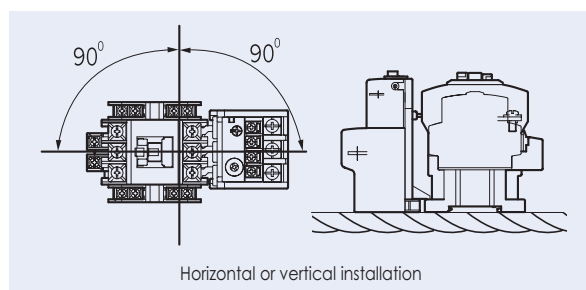
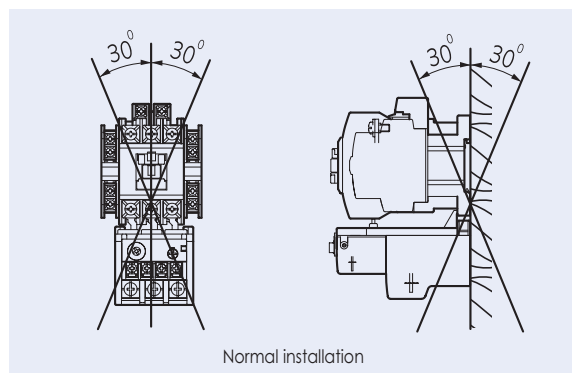
Type	Setting range	Cable selection		Torque (Nm)	Tornillo screw size
		AWG /MCM	ISOmm ²		
CGT(H)-22	0.1~0.16	18AWG	1,5	2,3	M4
	0.16~0.25	18AWG	1,5	2,3	M4
	0.25~0.4	18AWG	1,5	2,3	M4
	0.4~0.63	18AWG	1,5	2,3	M4
	0.63~1	18AWG	1,5	2,3	M4
	1~1.6	18AWG	1,5	2,3	M4
	1.6~2.5	18AWG	1,5	2,3	M4
	2.5~4	18AWG	1,5	2,3	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
	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
CGT(H)-85	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
	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
	34~50	6AWG	10-16	9	M8
	39~57	6AWG	10-16	9	M8
	43~65	4AWG	10-25	9	M8
CGT(H)-125	54~80	4AWG	16-25	9	M8
	65~100	2AWG	25-35	9	M8
	85~125	1AWG	35-50	9	M8
	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
	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)-220	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
	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

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		CGT(H)-85	M8	19×8.5×9	M3.5
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	CGT(H)-150	M8	20×10×10	M4	8.2×4.1×5.2
CGC-150(/4)	M8	20.5×10×9	M4	10.8×4.1×4.1					
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



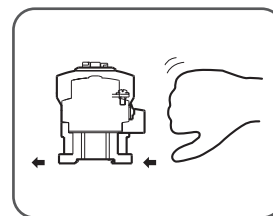
• In special installations, the endurance and other characteristics may be deteriorated.

DIN rail(CGC-9A~85A)

• 35mm DIN rail



Installation



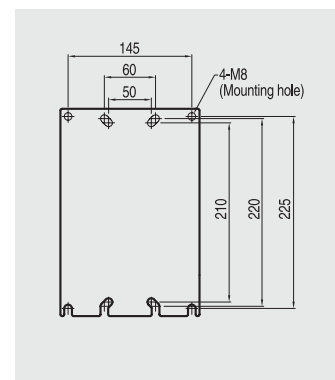
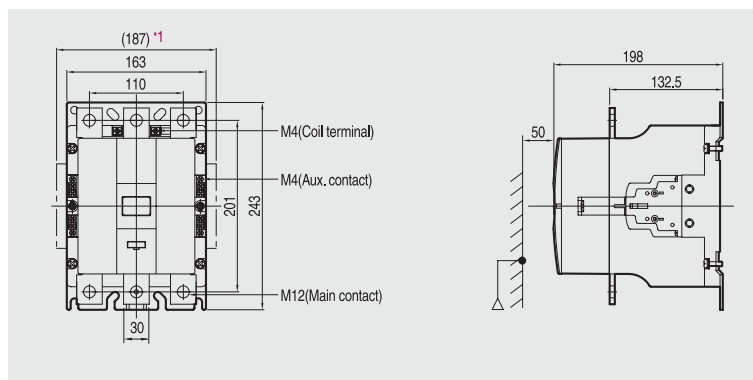
Un-install

Environment

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

CGC-300

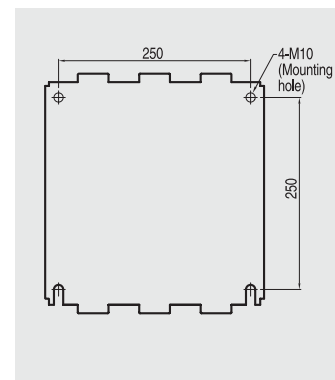
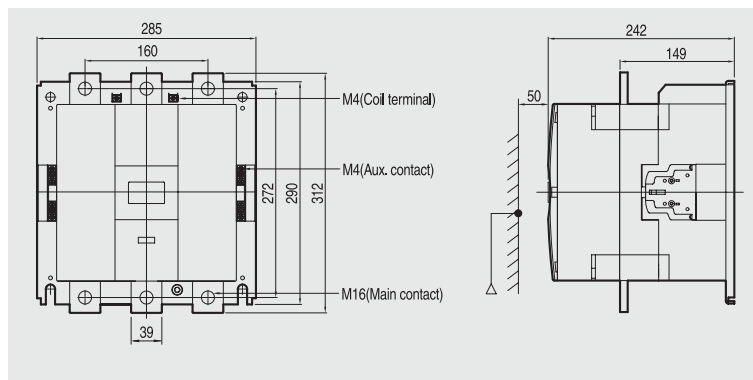
CGC-400



9.2kg

CGC-600

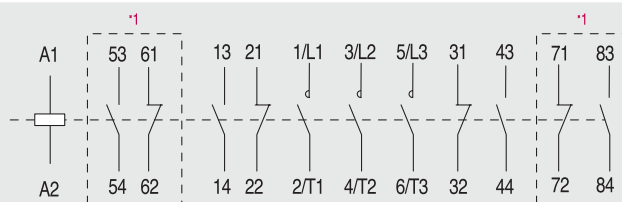
CGGC-800



22.4kg

Circuit diagram

CGC-300~800



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