

Frame size			9A		12A		18A		22A	
3-pole Contactors For further technical information see pages 8-9.			 includes AU-1 auxiliary switch, (1 N.O. / 1 N.C.)							
Types	AC coil	GMC-9		GMC-12		GMC-18		GMC-22		
	DC coil	GMD-9		GMD-12		GMD-18		GMD-22		
Ratings / IEC60947-4		kW	A	kW	A	kW	A	kW	A	
AC1		25		25		40		40		
AC3	200/240V	2.5	11	3.5	13	4.5	18	5.5	22	
	380/440V	4	9	5.5	12	7.5	18	11	22	
	500/550V	4	7	7.5	12	7.5	13	15	22	
	690V	4	5	7.5	9	7.5	9	15	18	
Ratings / UL508		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		
	460V	5		7.5		10		10		
	575V	7.5		10		15		15		
NEMA size		00		00		0		0		
4-pole Contactors For further technical information visit altechcorp.com.										
Types	AC coil	GMC-9/4		GMC-12/4		GMC-18/4		GMC-22/4		
	DC coil	GMD-9/4		GMD-12/4		GMD-18/4		GMD-22/4		
AC1(A)		20		20		25		32		
Available coil voltages			AC: 24, 42, 48, 110, 120, 208, 220, 240, 277, 380, 440, 480, 600V DC: 12, 20, 24, 48, 60, 80, 100, 110, 125, 200, 220, 250V Ordering Example: GMC-9-AC120V (see also page 6)							
Additional Auxiliary Contacts			 AU-2 2-pole Front mount		 AU-4 4-pole Front mount		 AU-1 2-pole Side mount			
			Configuration	Part No.	Configuration	Part No.	Configuration	Part No.		
			2 N.O.	AU-2-20	4 N.O.	AU-4-40	1 N.O. / 1 N.C.	AU-1		
			2 N.C.	AU-2-02	3 N.O. / 1 N.C.	AU-4-31				
			1 N.O. / 1 N.C.	AU-2-11	2 N.O. / 2 N.C.	AU-4-22				
					1 N.O. / 3 N.C.	AU-4-13				
					4 N.C.	AU-4-04				
Overload Relays										
Bimetallic style Type GT			 GT-22		Setting ranges (A) 0.1 - 0.16 0.16 - 0.25 0.25 - 0.4 0.4 - 0.63 0.63 - 1 1 - 1.6 1.6 - 2.5 2.5 - 4		4 - 6 5 - 8 6 - 9 7 - 10 9 - 13 12 - 16 16 - 22		 AZ-22H Base for separate mounting	
Class 10A	Differential					GTK-22				
	Non-differential (3-heater)					GTH-22/3				
	Non-differential (2-heater)					GTH-22				
Class 20	Differential					GTK-22/L				

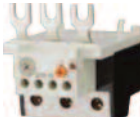
32A		40A		50A		65A		75A		85A	
		<i>includes 2 AU-1 auxiliary switches, (2 N.O. / 2 N.C.)</i>						<i>includes 2 AU-1 auxiliary switches, (2 N.O. / 2 N.C.)</i>			
GMC-32		GMC-40		GMC-50		GMC-65		GMC-75		GMC-85	
GMD-32		GMD-40		GMD-50		GMD-65		GMD-75		GMD-85	
kW	A	kW	A	kW	A	kW	A	kW	A	kW	A
50		60		80		100		110		135	
7.5	32	11	40	15	55	18.5	65	22	75	25	85
15	32	18.5	40	22	50	30	65	37	75	45	85
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	
20		25		30		40		50		50	
20		25		30		40		50		50	
1		1		2		2		2		3	
											
GMC-32/4		GMC-40/4		GMC-50/4		GMC-65/4		GMC-75/4		GMC-85/4	
GMD-32/4		GMD-40/4		GMD-50/4		GMD-65/4		GMD-75/4		GMD-85/4	
50		60		80		100		110		135	

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

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

Ordering Example: GMC-32-AC120V (see also page 6)

					
AU-2 2-pole Front mount		AU-4 4-pole Front mount		AU-1 2-pole Side mount	
Configuration	Part No.	Configuration	Part No.	Configuration	Part No.
2 N.O.	AU-2-20	4 N.O.	AU-4-40	1 N.O. / 1 N.C.	AU-1
2 N.C.	AU-2-02	3 N.O. / 1 N.C.	AU-4-31		
1 N.O. / 1 N.C.	AU-2-11	2 N.O. / 2 N.C.	AU-4-22		
		1 N.O. / 3 N.C.	AU-4-13		
		4 N.C.	AU-4-04		

					
GT-40		GT-85		AZ-85H	
Setting ranges (A) 4 - 6 12 - 18 5 - 8 16 - 22 6 - 9 18 - 26 7 - 10 24 - 36 9 - 13 28 - 40		Setting ranges (A) 7 - 10 28 - 40 9 - 13 34 - 50 12 - 18 45 - 65 16 - 22 54 - 75 18 - 26 63 - 85 24 - 36		Base for separate mounting	
					
AZ-40H					
Base for separate mounting					
GTK-40		GTK-85			
GTH-40/3		GTH-85/3			
GTH-40		GTH-85			
GTK-40/L		GTK-85/L			

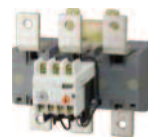
Frame size		100A		125A		150A	
3-pole Contactors For further technical information see pages 10-11.		 includes 2 AU-100 auxiliary switches, (2 N.O. / 2 N.C.)		 includes 2 AU-100 auxiliary switches, (2 N.O. / 2 N.C.)			
Types	AC/DC common coil	GMC-100		GMC-125		GMC-150	
Ratings / IEC60947-4		kW	A	kW	A	kW	A
AC1		150		150		200	
AC3	200/240V	30	105	37	125	45	150
	380/440V	55	105	60	120	75	150
	500/550V	55	85	60	90	90	140
	690V	55	65	60	70	90	100
Ratings / UL508		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	
	460V	60		75		100	
	575V	60		75		100	
NEMA size		3		3		4	
4-pole Contactors For further technical information visit altechcorp.com.							
Types	AC/DC common coil	GMC-100/4		GMC-125/4		GMC-150/4	
AC1(A)		150		155		200	
Available nominal coil voltages (AC 50/60Hz); (DC)		AC: 24 (24-25), 48 (48-50), 100/200 (100-240), 300 (265-347), 400 (380-450), 500V (440-575) DC: 24, 48, 100/200V (100-220) Ordering Example: GMC-100-AC100/200V (see also page 6)					
Additional Auxiliary Contacts		 AU-100 1NO+1NC, Side mount					

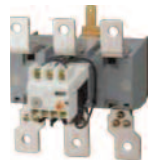
Overload Relays

Bimetallic style Type GT		 Setting ranges (A) 34 - 50 39 - 57 43 - 65 54 - 80 65 - 100 85 - 125	 Setting ranges (A) 34 - 50 39 - 57 43 - 65 54 - 80 65 - 100 85 - 125 100 - 150
		GT- 100	GT- 150
Class 10A	Differential	GTK-100	GTK-150
	Non-differential (3-heater)	GTH-100/3	GTH-150/3
	Non-differential (2-heater)	GTH-100	GTH-150
Class 20	Differential	GTK-100/L	GTK-150/L

Contactors (100 to 800A)

180A		220A		300A		400A		600A		800A	
		<i>includes 2 AU-100 auxiliary switches, (2 N.O. / 2 N.C.)</i>				<i>includes 2 AU-100 auxiliary switches, (2 N.O. / 2 N.C.)</i>				<i>includes 2 AU-100 auxiliary switches, (2 N.O. / 2 N.C.)</i>	
GMC-180		GMC-220		GMC-300		GMC-400		GMC-600		GMC-800	
kW	A	kW	A	kW	A	kW	A	kW	A	kW	A
230		260		350		420		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	
											
GMC-180/4		GMC-220/4		GMC-300/4		GMC-400/4		GMC-600/4		GMC-800/4	
230		260		350		420		660		800	
AC: 100/200 (100-240), 300 (265-347), 400 (380-450), 500V (440-575) DC: 100/200V (100-220) <i>Ordering Example: GMC-180-AC100/200V (see also page 6)</i>								AC: 100 (100-127), 200 (200-240), 300 (265-347), 400 (380-450), 500V (440-575) DC: 100 (100-110), 200V (200-220)			
				 AU-100 1NO+1NC, Side mount							

	Setting ranges (A) 65 - 100 85 - 125 100 - 150 120 - 180 160 - 240
GT- 220	
GTK-220	
GTH-220/3	
GTH-220	
GTK-220/L	

	Setting ranges (A) 85 - 125 100 - 150 120 - 180 160 - 240 220 - 300 260 - 400
GT- 400	
GTK-400	
GTH-400/3	
GTH-400	
GTK-400/L	

	Setting ranges (A) 220 - 300 260 - 400 400 - 600 520 - 800
GT- 800	
GTK-600	
GTH-600/3	
GTH-600	
GTK-600/L	

3NO main contacts
1 auxiliary contact*

For further technical
information see page 13.



Screw clamp type



Fast-on type



Cage clamp type



Solder pin type

Frame size		6A		9A		12A		16A		
STANDARD	Screw clamp type	AC coil	GMC-6M		GMC-9M		GMC-12M		GMC-16M	
		DC coil	GMD-6M		GMD-9M		GMD-12M		GMD-16M	
OPTIONAL	Fast-on type	AC coil	GMC-6MF		GMC-9MF		GMC-12MF		GMC-16MF	
		DC coil	GMD-6MF		GMD-9MF		GMD-12MF		GMD-16MF	
Cage clamp type	AC coil	GMC-6MC		GMC-9MC		GMC-12MC		GMC-16MC		
	DC coil	GMD-6MC		GMD-9MC		GMD-12MC		GMD-16MC		
Solder pin type	AC coil	GMC-6MP		GMC-9MP		GMC-12MP		GMC-16MP		
	DC coil	GMD-6MP		GMD-9MP		GMD-12MP		GMD-16MP		
Ratings / IEC60947-4			kW	A	kW	A	kW	A	kW	A
AC1			20		20		20		20	
AC3	200/240V	1.5	7	2.2	9	3	12	4	15	
	380/440V	2.2	6	4	9	5.5	12	7.5	16	
	500/550V	3	5	3.7	6	4	7	5.5	9	
	690V	3	4	4	5	4	5	4	5	
Ratings / UL508			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		
	460V	5		7.5		10		10		
	575V	7.5		10		15		15		
NEMA size			00		00		00		0	
Available coil voltages			AC 50/60Hz: 24, 36, 42, 48, 110, 115, 120, 127, 200/208, 220, 220/230, 230/240, 256, 277, 380/400, 400, 440, 480, 500, 550, 600V (60Hz) DC: 12, 20, 24, 36, 42, 48, 60, 72, 110, 120, 125, 220, 240, 250V <i>Ordering Example: GMC-6M-10-AC120V (see also page 6)</i>							

Additional Auxiliary Contacts

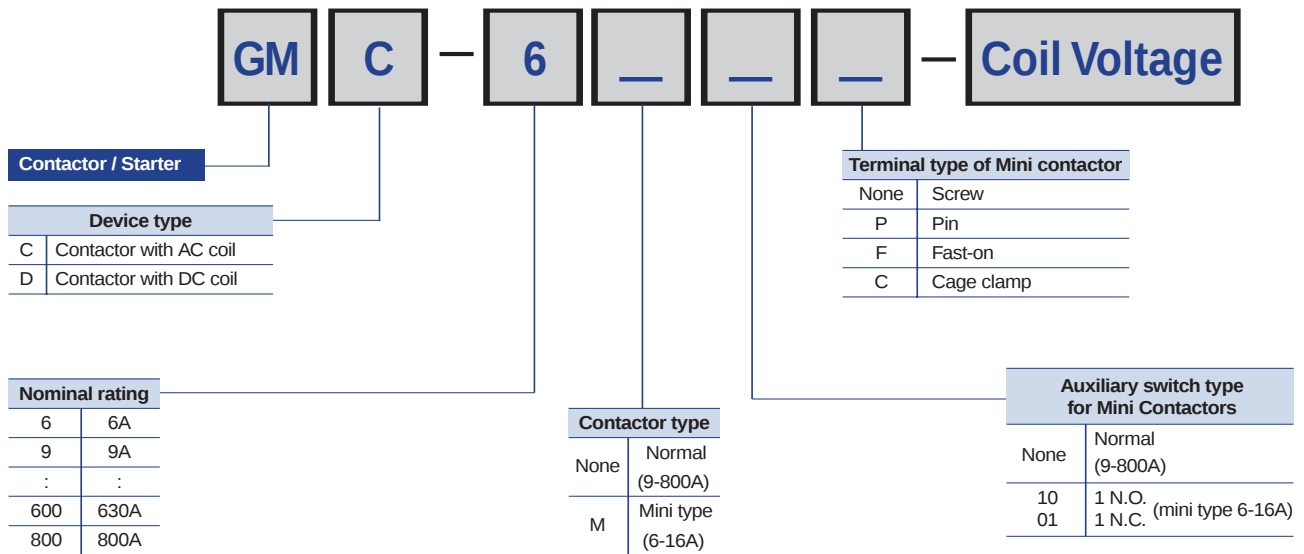
	Screw clamp type	Fast-on type	Cage clamp type	Solder pin type
2-pole, Front mount	AU-2M	AU-2MF	AU-2MC	 AU-1MP
4-pole, Front mount	AU-4M	AU-4MF	AU-4MC	
2-pole, Side mount	AU-1M	AU-1MF	AU-1MC	

Overload Relays

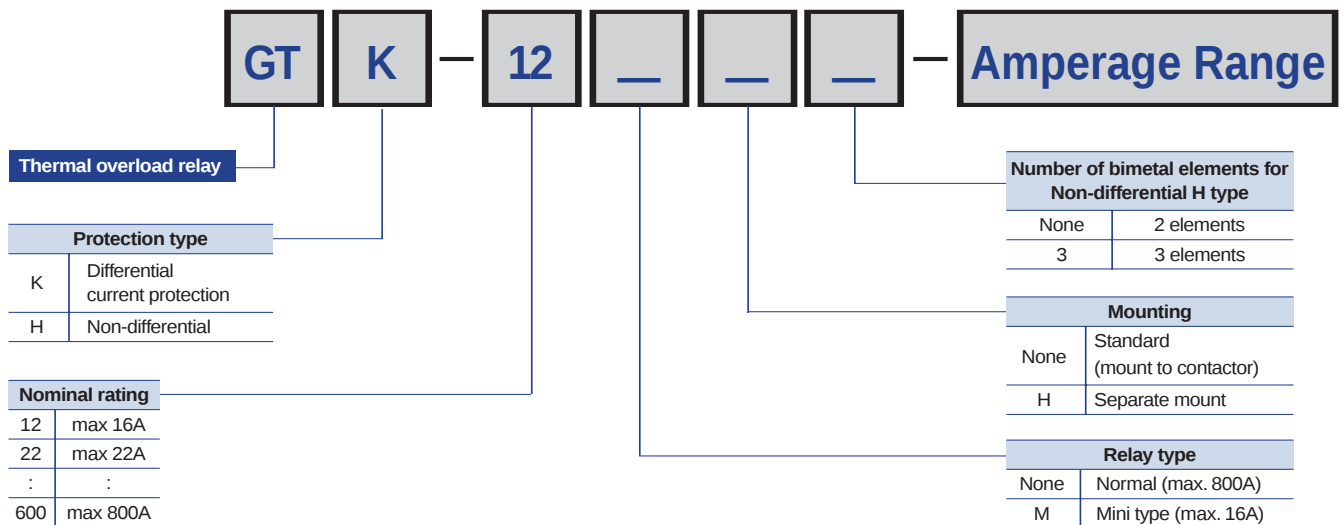
Bimetallic style Type GT Class 10A		GT-12M	Setting ranges (A)	0.1 - 0.16	4 - 6		<i>Base for separate mounting</i>	AZ-12H
				0.16 - 0.25	5 - 8			
				0.25 - 0.4	6 - 9			
				0.4 - 0.63	7 - 10			
				0.63 - 1	9 - 13			
				1 - 1.6	12 - 16			
				1.6 - 2.5				
				2.5 - 4				
Differential					GTK-12M			
Non-differential (3-heater)					GTH-12M/3			
Non-differential (2-heater)					GTH-12M			

* See page 6 for how to specify the type of auxiliary switch (N.O. or N.C.).

Contactors Numbering System



Thermal Overload Relay



Other devices / accessories are available.

Consult Altech Corp.® for more information.

2-pole AC Contactors, Definite Purpose

For further technical information see page 14.

Description

- Two normally open main contacts
- Screw clamp or fast-on connections
- Small and light design suitable for use in air conditioners, heaters, refrigerators, etc.
- Screw mountable
- N.O. auxiliary contact
- AC control voltage



Selection

Type	AC3 ratings			AC4 ratings			AC1 I_{th}	Making current	Breaking current
	220~ 240V	380~ 440V	500~ 550V	220~ 240V	380~ 440V	500~ 550V			
SMC-20P2	20A	17A	14A	18A	13A	10A	30A	120A	20A
SMC-25P2	25A	21A	17A	20A	14A	12A	35A	150A	25A
SMC-30P2	30A	23A	21A	22A	20A	14A	40A	180A	30A

Connection style

Terminal code	Main terminal	Coil terminal	Remarks
TSBS	Screw clamp	Screw clamp	
TSBQ		Fast-on	
TQBS	Fast-on(Quick connect)	Screw clamp	not available for SMC-30P2
TQBQ		Fast-on(Quick connect)	

Endurance

Mechanical lifetime		2 mil. Operations
Electrical lifetime	at AC3	0.2 mil. Operations (1200 operations/h)
	at AC4	0.015 mil. Operations (600 operations/h)

Contactors coil voltage, AC 50/60Hz

24, 48-50, 110/110-120, 208-220/208-240V

Ordering information

Specify type, terminal code and coil voltage

Example : SMC-25P2, TSBQ, AC110V 50Hz



3-pole Contactors / AC Coil

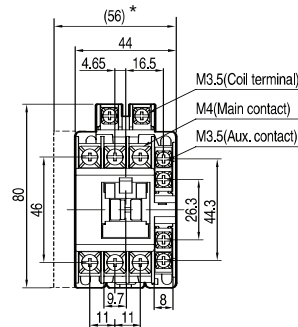
(Dimensions shown in mm, to convert to inches multiply by 0.03937)

GMC-9

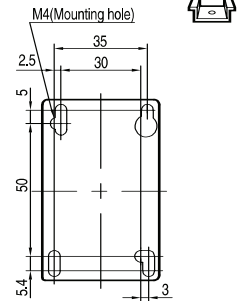
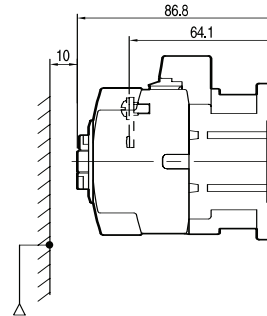
GMC-12

GMC-18

GMC-22



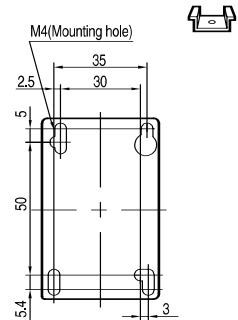
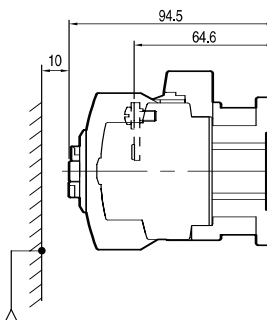
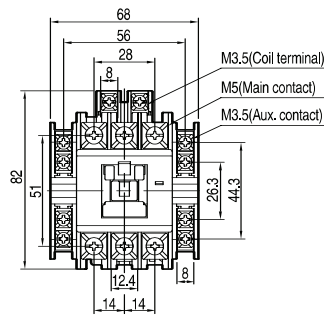
*Optional auxiliary contact unit (side mount type)



Weight: GMC-9 & 12: 0.33kg (0.73 lbs.)
GMC-18 & 22: 0.37kg (0.82 lbs.)

GMC-32

GMC-40



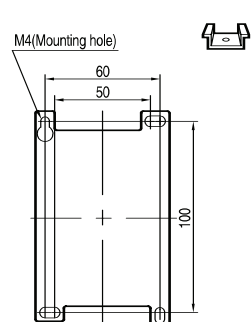
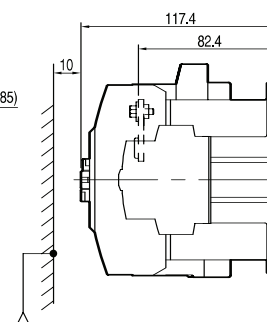
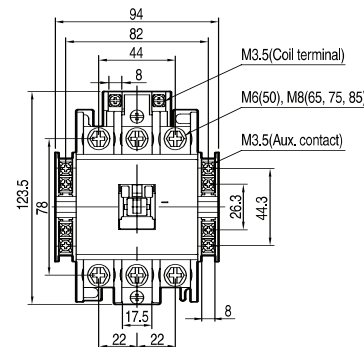
Weight GMC-32 & 40: 0.45kg (0.99 lbs.)

GMC-50

GMC-65

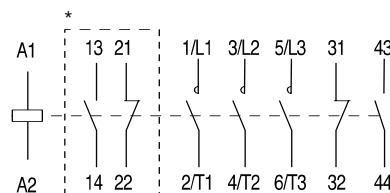
GMC-75

GMC-85



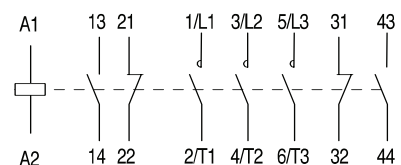
Weight: GMC-50 to 85: 1kg (2.21 lbs.)

GMC-9~22



*Optional auxiliary contact unit

GMC-32~85



3-pole Contactors / DC Coil

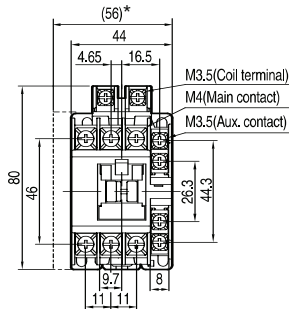
(Dimensions shown in mm, to convert to inches multiply by 0.03937)

GMD-9

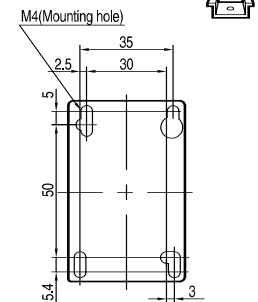
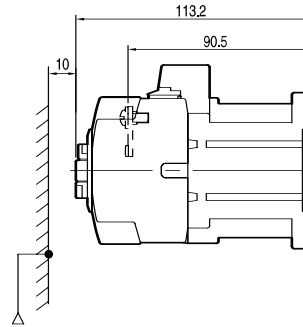
GMD-12

GMD-18

GMD-22



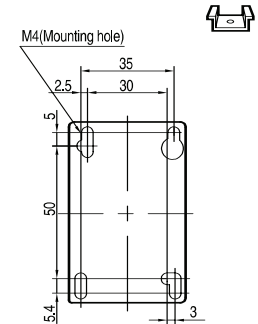
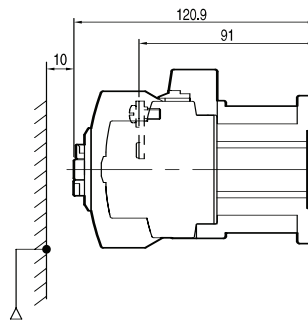
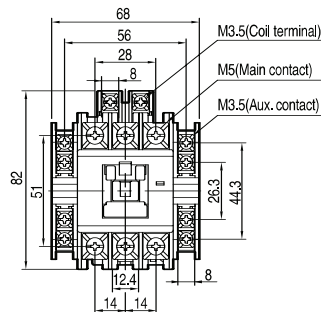
*Optional auxiliary contact unit (side mount type)



Weight: GMD-9 & 12: 0.55kg (1.21 lbs.)
GMD-18 & 22: 0.59kg (1.30 lbs.)

GMD-32

GMD-40



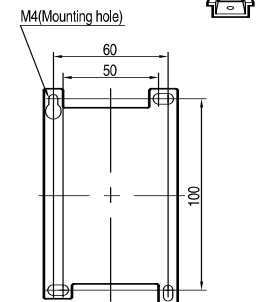
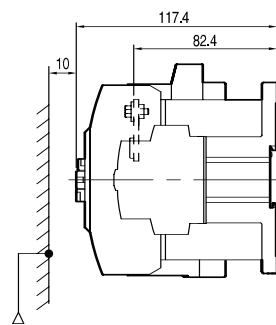
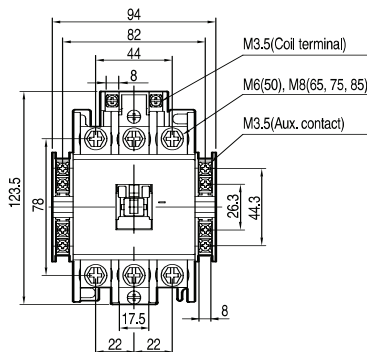
Weight: GMD-32 & 40: 0.67kg (1.48 lbs.)

GMD-50

GMD-65

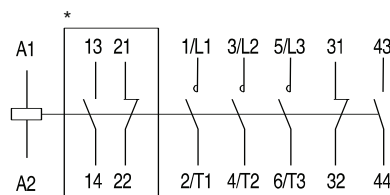
GMD-75

GMD-85



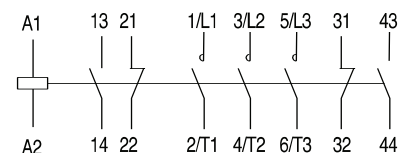
Weight: GMD-50, 65, 75 & 85: 1.06kg (2.34 lbs.)

GMD-9-22

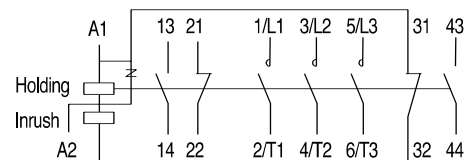


*Optional auxiliary contact unit

GMD-32, 40



GMD-50-85

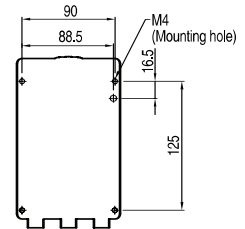
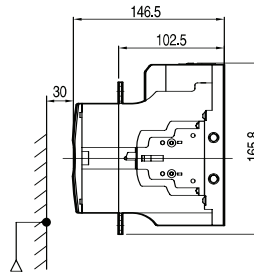
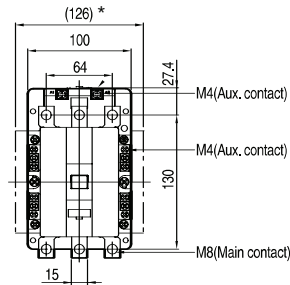


3-pole Contactors

(Dimensions shown in mm, to convert to inches multiply by 0.03937)

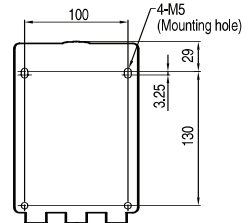
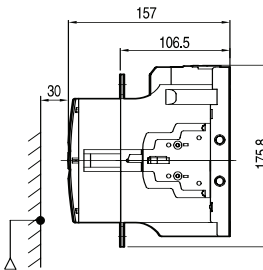
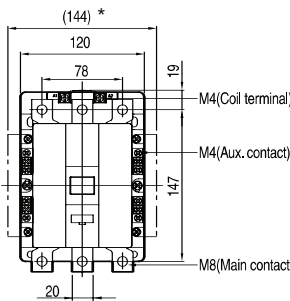
GMC-100

GMC-125



Weight: GMC-100 & 125: 2.9kg (6.39 lbs.)

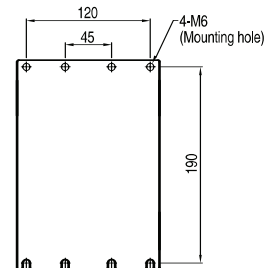
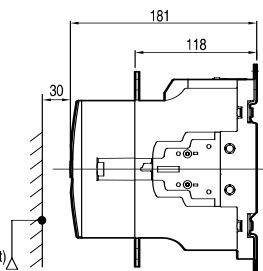
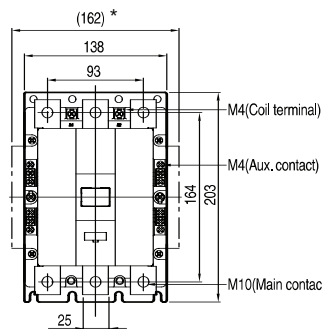
GMC-150



Weight: GMC-150: 3.4kg (7.50 lbs.)

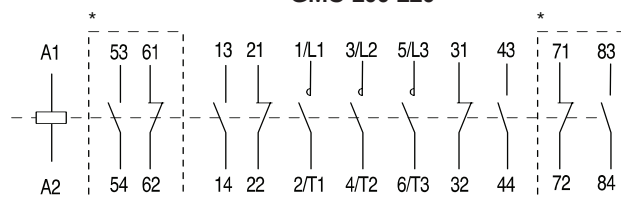
GMC-180

GMC-220



Weight: GMC-180 & 220: 5.4kg (11.91 lbs.)

GMC-100-220



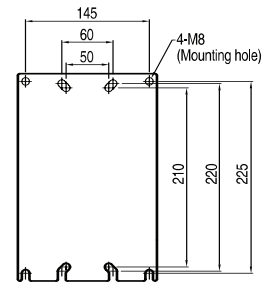
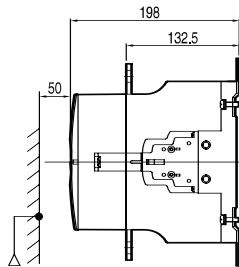
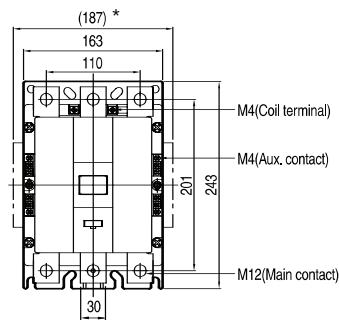
*Optional auxiliary contact unit (side mount type)

3-pole Contactors

(Dimensions shown in mm, to convert to inches multiply by 0.03937)

GMC-300

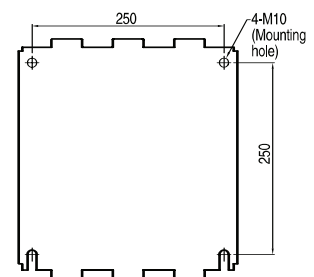
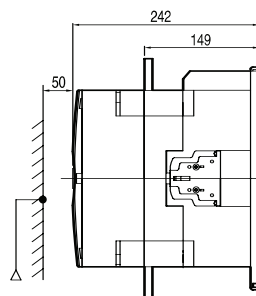
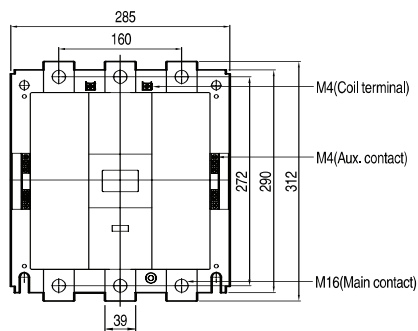
GMC-400



Weight: GMC-300 & 400: 9.2kg (20.29 lbs.)

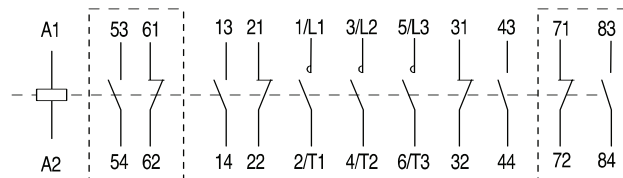
GMC-600

GMC-800



Weight: GMC-600 & 800: 22.4kg (49.39 lbs.)

GMC-300-800



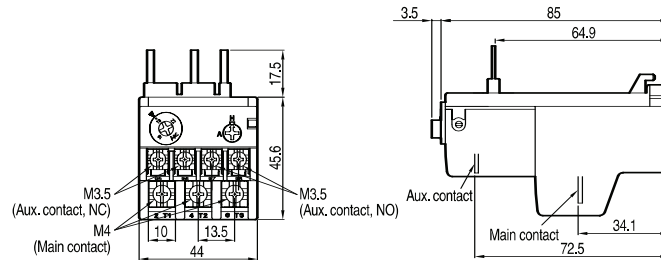
Thermal Overload Relays

(Dimensions shown in mm, to convert to inches multiply by 0.03937)

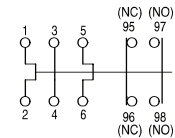
GTH-22

GTK-22

GTH-22/3



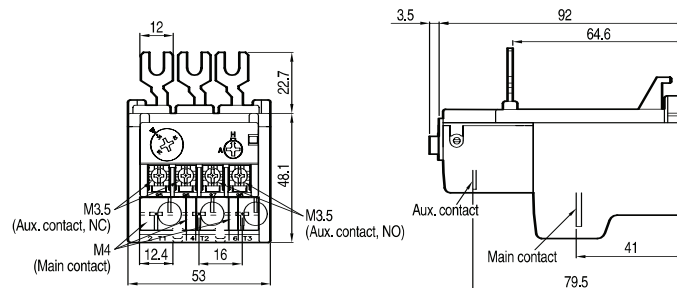
Weight: GTH-22, GTK-22 & GTH-22/3: 0.11kg (0.24 lbs.)



GTH-40

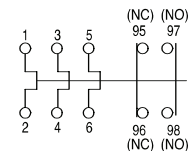
GTK-40

GTH-40/3



Weight: GTH-40, GTK-40 & GTH-40/3: 0.17kg (0.37 lbs.)

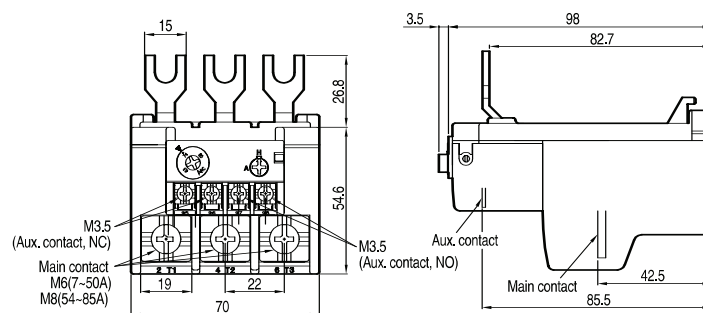
GTH-22/3, 40/3, 85/3
GTK-22, 40, 85
(3 heater types)



GTH-85

GTK-85

GTH-85/3



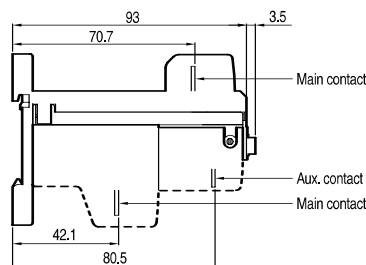
Weight: GTH-85, GTK-85 & GTH-85/3: 0.3kg (0.66 lbs.)

Separate mounting units for overload relays

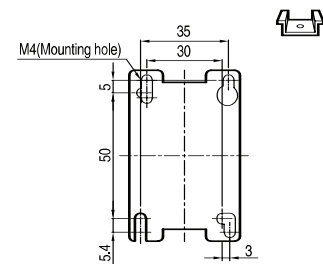
(Dimensions shown in mm, to convert to inches multiply by 0.03937)

AZ-22H

for use with
overload relay
GTH(K)-22



*Optional auxiliary contact unit (side mount type)



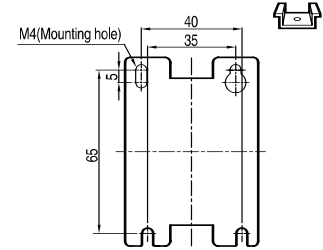
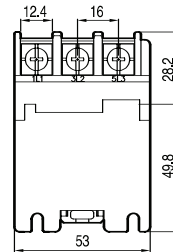
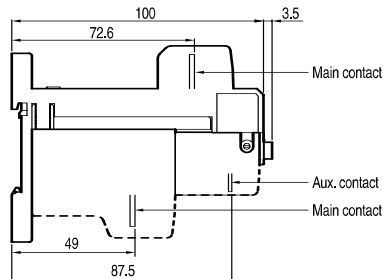
Weight: AZ-22H: 44g (0.097 lbs.)

Separate Mounting Units for Overload Relays

(Dimensions shown in mm, to convert to inches multiply by 0.03937)

AZ-40H

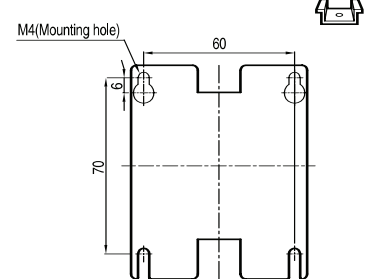
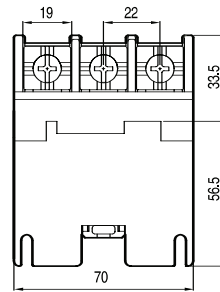
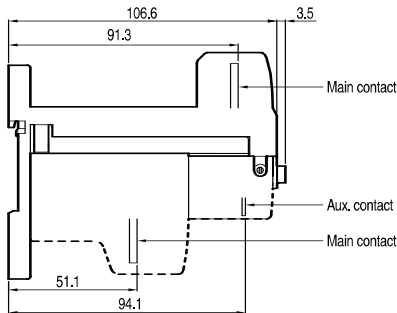
for use with
overload relay
GTH(K)-40



Weight: AZ-40H: 72g (0.16 lbs.)

AZ-85H

for use with
overload relay
GTH(K)-85

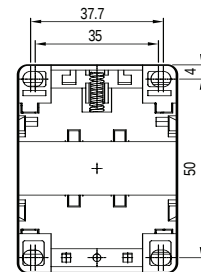
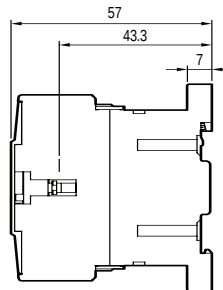
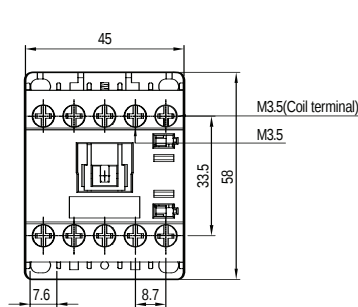


Weight: AZ-85H: 144g (0.32 lbs.)

Mini Contactors

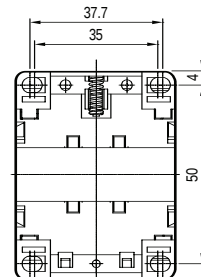
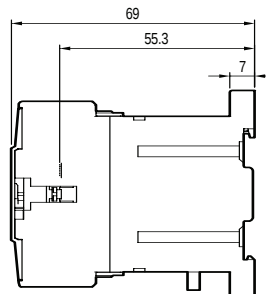
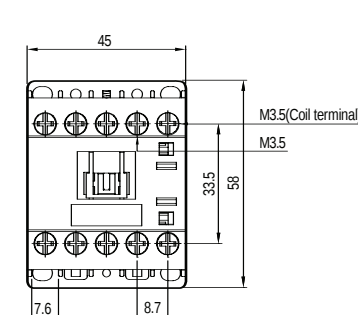
(Dimensions shown in mm, to convert to inches multiply by 0.03937)

GMC-12M



Weight: GMC-12M: 0.17kg (0.37 lbs.)

GMD-12M



Weight: GMD-12M: 0.23kg (0.51 lbs.)

2-pole AC Contactors

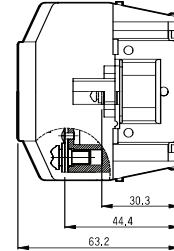
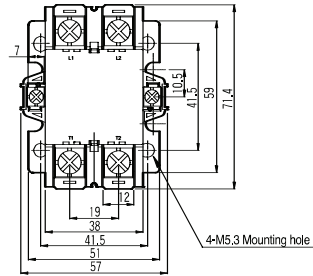
(Dimensions shown in mm, to convert to inches multiply by 0.03937)

Terminal type : TSBS

SMC-20P2

SMC-25P2

SMC-30P2

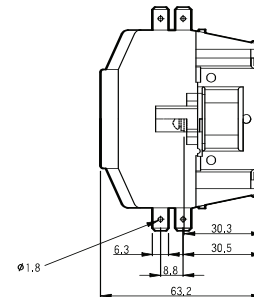
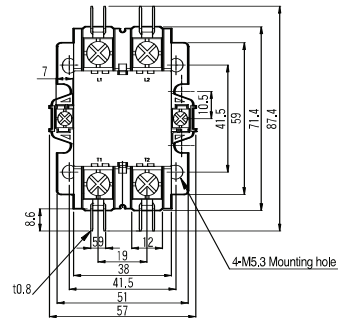


Weight: SMC-20P2, 25P2 & 30P2: 0.25kg (0.55 lbs.)

Terminal type : TQBS

SMC-20P2

SMC-25P2



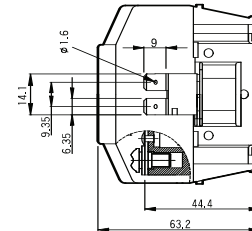
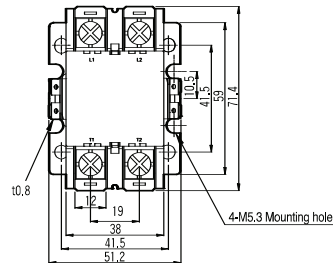
Weight: SMC-20P2 & 25P2: 0.26kg (0.57 lbs.)

Terminal type : TSBQ

SMC-20P2

SMC-25P2

SMC-30P2

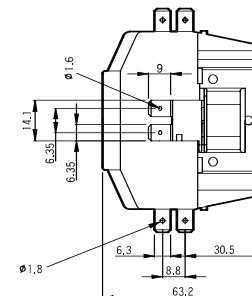
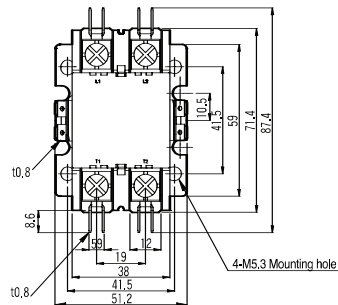


Weight: SMC-20P2, 25P2 & 30P2: 0.25kg (0.55 lbs.)

Terminal type : TQBQ

SMC-20P2

SMC-25P2



*Optional auxiliary contact unit (side mount type)

Weight: SMC-20P2 & 25P2: 0.26kg (0.57 lbs.)



**Стандарт
Электрон
Связь**

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

Собственная эффективная логистика и склад в обеспечивает надежную поставку продукции в точно указанные сроки по всей России.

Мы осуществляем техническую поддержку нашим клиентам и предпродажную проверку качества продукции. На все поставляемые продукты мы предоставляем гарантию .

Осуществляем поставки продукции под контролем ВП МО РФ на предприятия военно-промышленного комплекса России , а также работаем в рамках 275 ФЗ с открытием отдельных счетов в уполномоченном банке. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001.

Минимальные сроки поставки, гибкие цены, неограниченный ассортимент и индивидуальный подход к клиентам являются основой для выстраивания долгосрочного и эффективного сотрудничества с предприятиями радиоэлектронной промышленности, предприятиями ВПК и научно-исследовательскими институтами России.

С нами вы становитесь еще успешнее!

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Электронная почта: sales@st-electron.ru

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Промышленная ул, дом № 19, литера Н,
помещение 100-Н Офис 331