



Specifications and technical data are subject to change without notice.
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EBASEE
Smart Living Green Ebasee



CONTROL ELECTRIC



COMPANY PROFILE

As a leading supplier in the low voltage electrics industry, Shanghai Ebasee Electric Co., Ltd. products have been used for residential, commercial and industrial applications with its quality and service. EBASEE brand is recognized for its quality and reliability in an ever-increasing number of markets worldwide. So far EBASEE products have been approved by international labs including BV, TUV, Intertek, with KEMA, CB, SEMKO, RoHS, CE, and CCC etc.

With qualified raw materials and components supply, all products are manufactured by EBASEE's defined international specifications. We have 4 semi-auto production lines, up-to-date quality control facilities, well-trained and experienced workers. Moreover, with a technical R & D team and fully equipped in-house laboratory, EBASEE factory can carry out efficient new products development, daily production and QC.

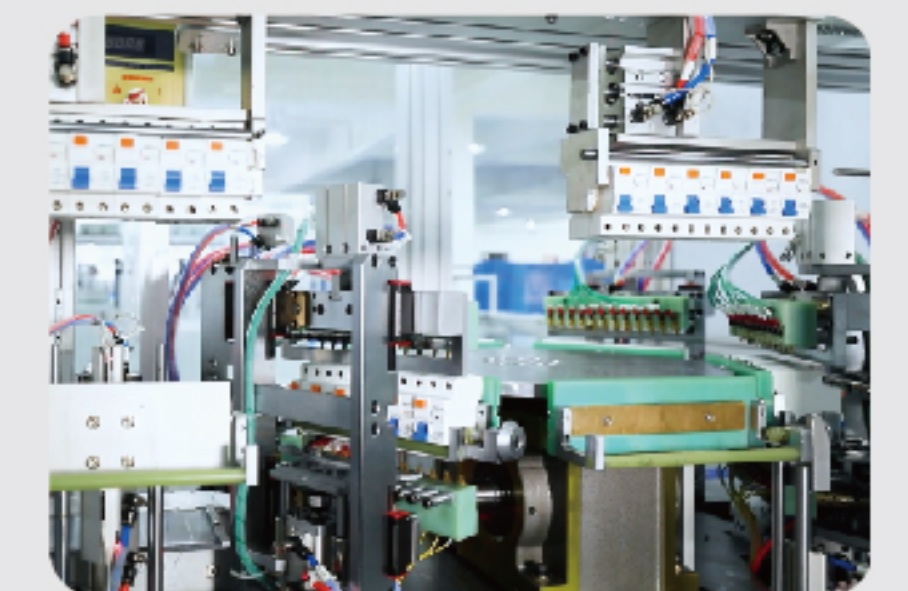
EBASEE have a wide range of cooperations with world leading companies in new products development, OEM and ODM cooperation. Meanwhile, we process the idea of green and smart energy, working with universities such as Xi'an Jiao Tong University to get more intelligent and environmental electric solutions.

EBASEE focused on achieving growth through the success of worldwide partners. Guided by the philosophy of "market-oriented", powered by the idea of "Quick response and flexible supply", EBASEE support our worldwide partners to compete against established global players, to deliver the most systematic and cost-effective products and service in the market.

"Smart life, Green EBASEE"



PRODUCTION LINE

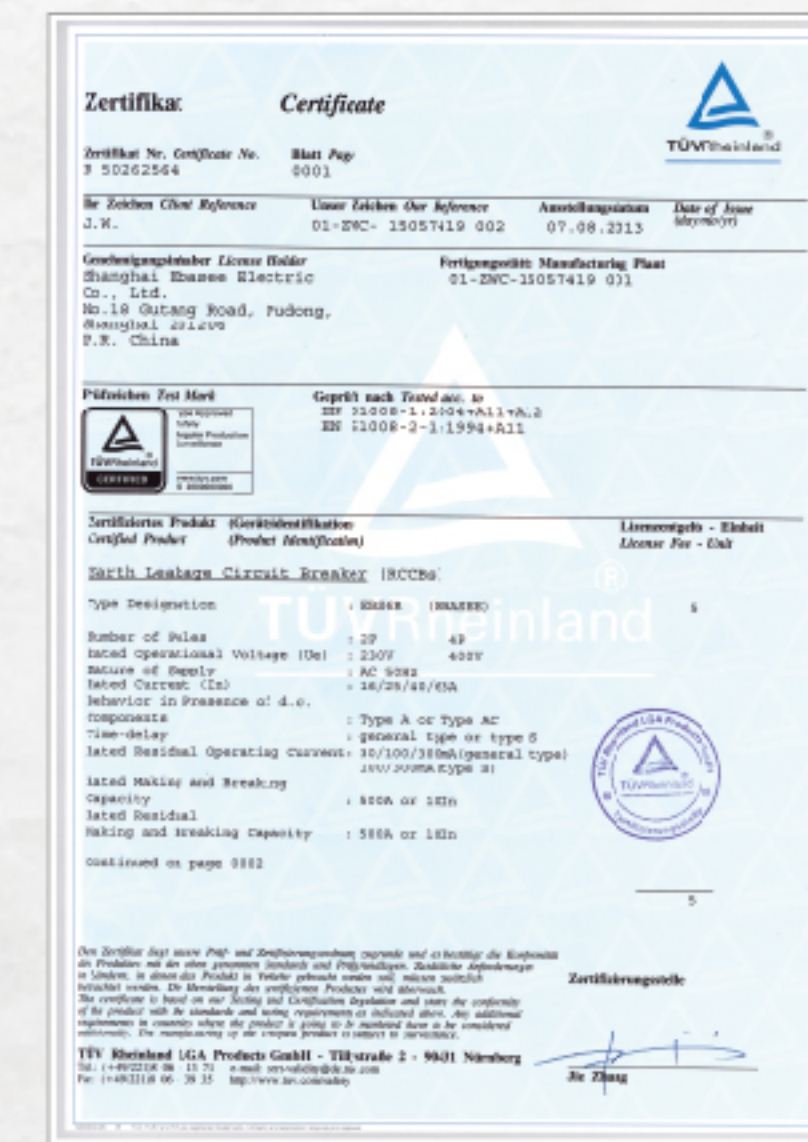
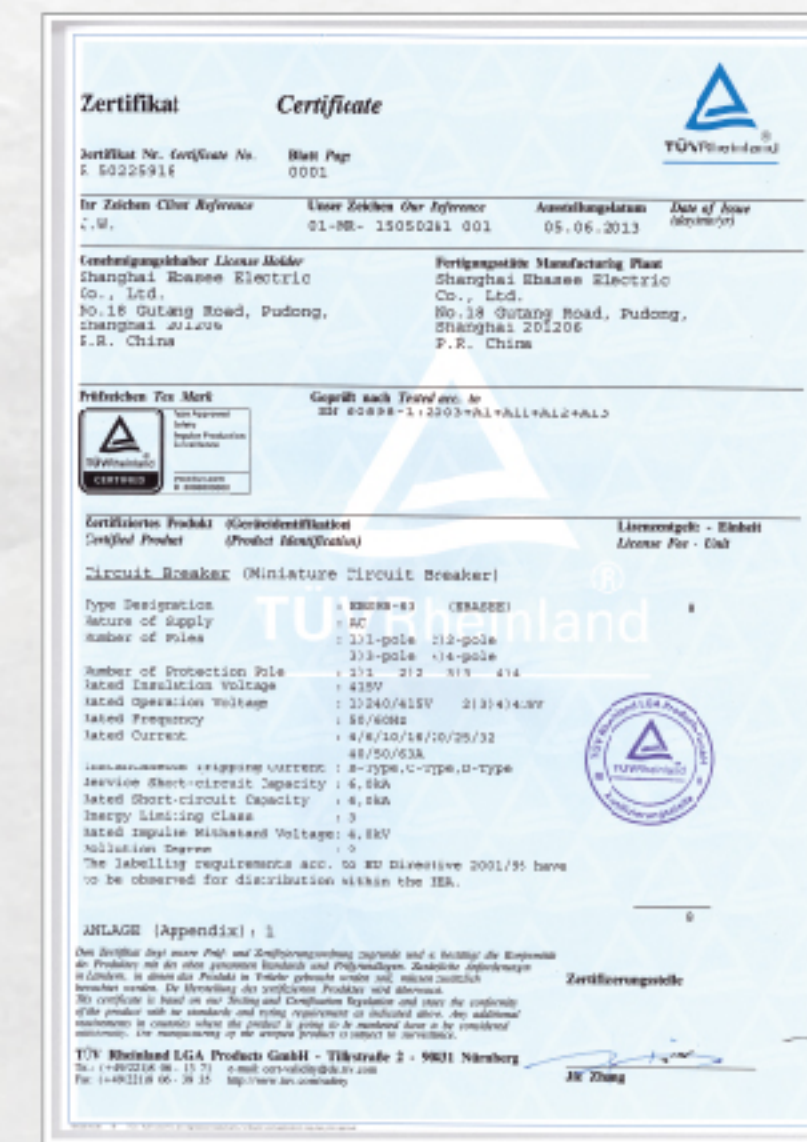
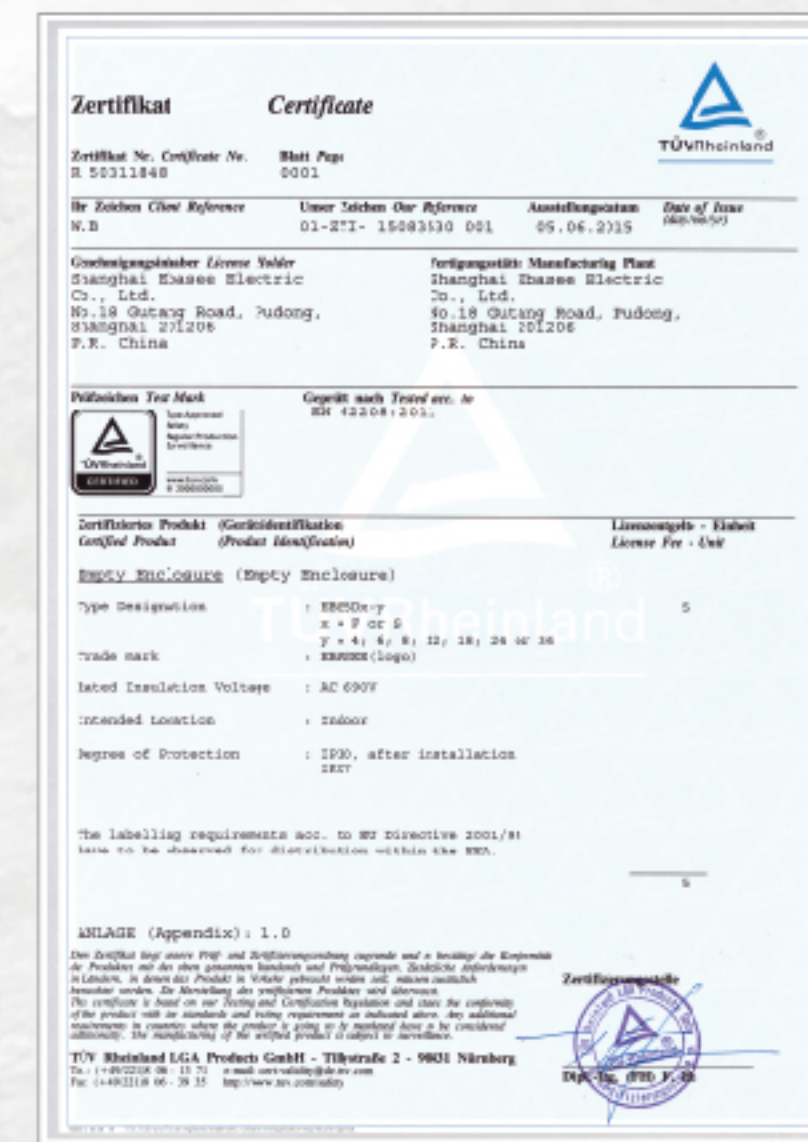
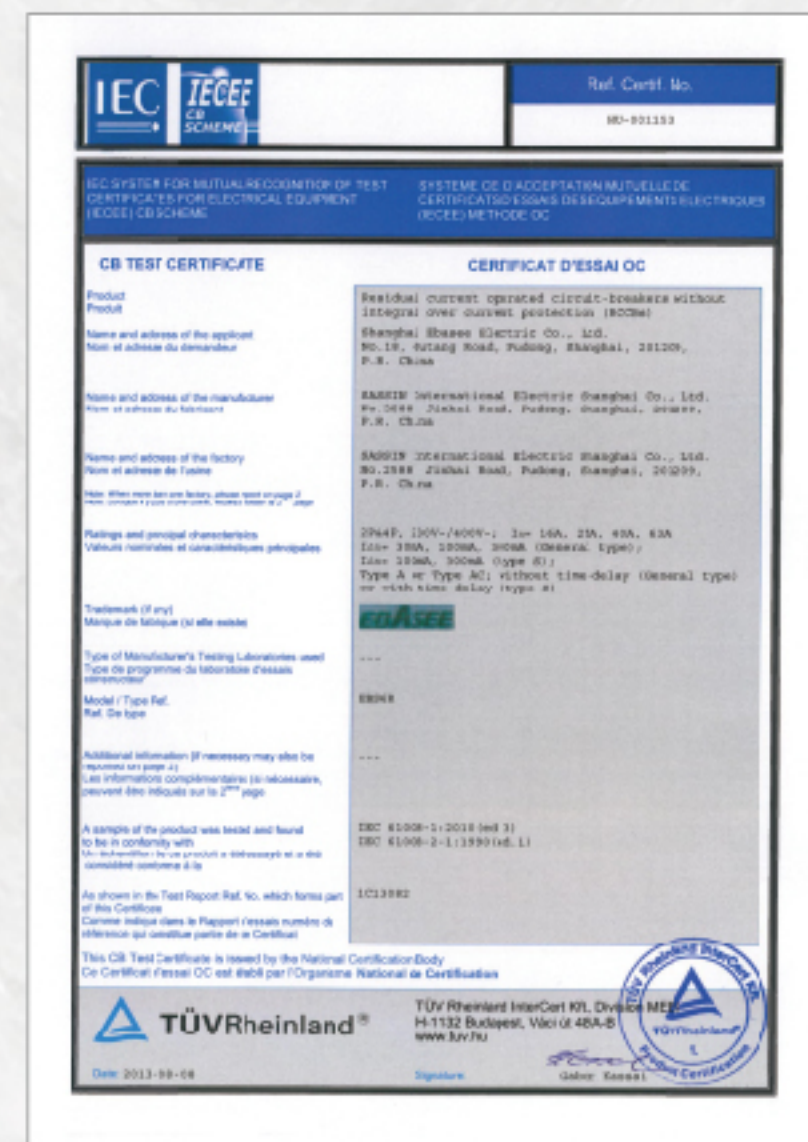
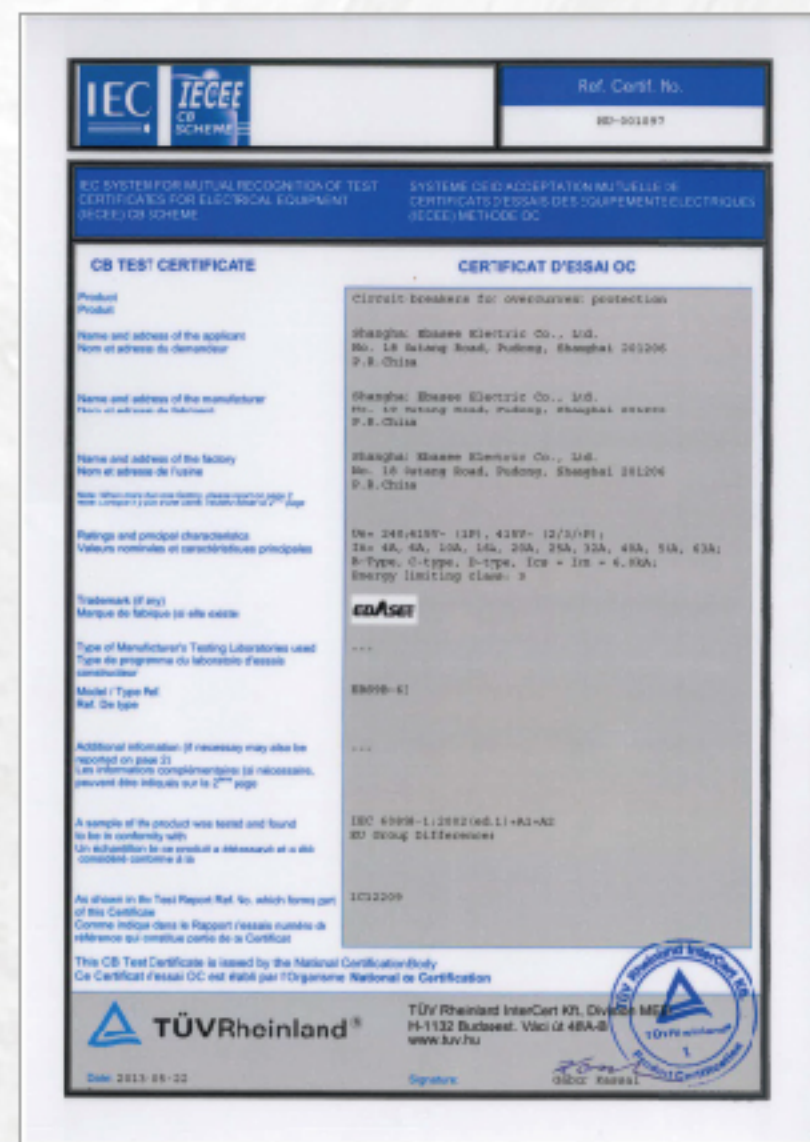
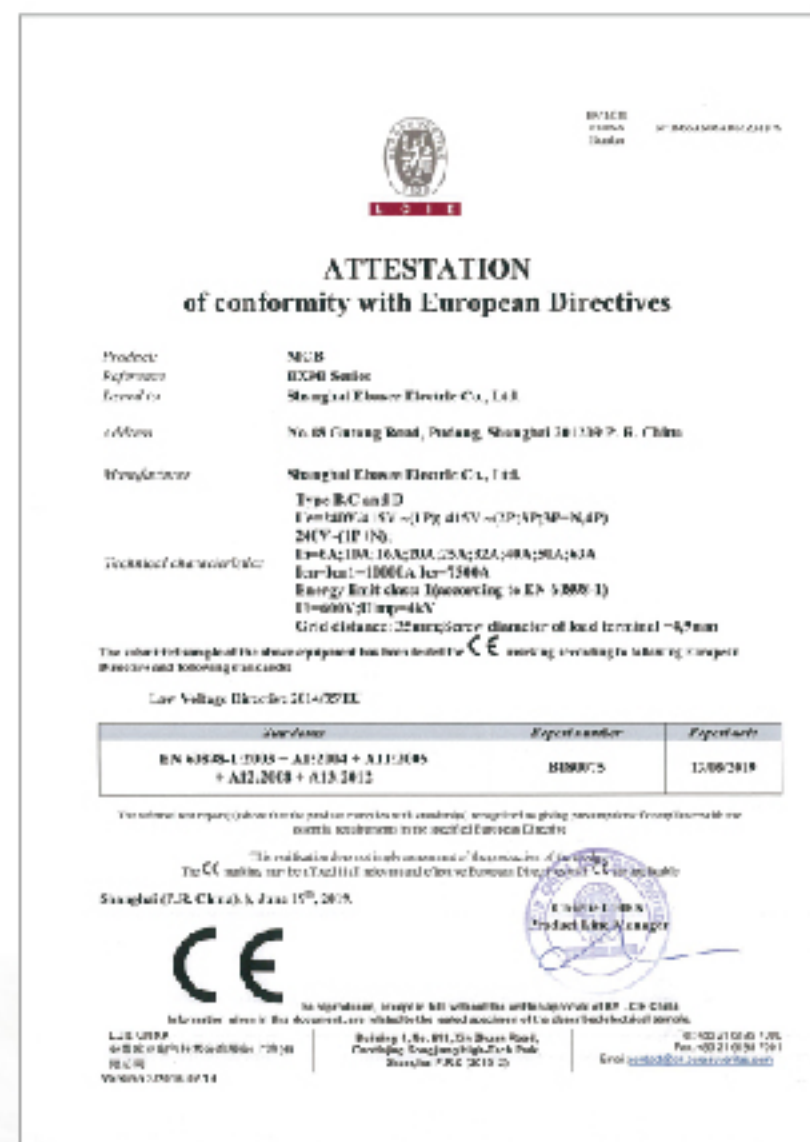


SMART LIVING GREEN EBASEE



INTERNATIONAL QUALITY CERTIFICATE

EBASEE products have been approved by international labs including BV, TUV, Intertek, with KEMA, CB, SEMKO, RoHS, CE, and CCC etc.



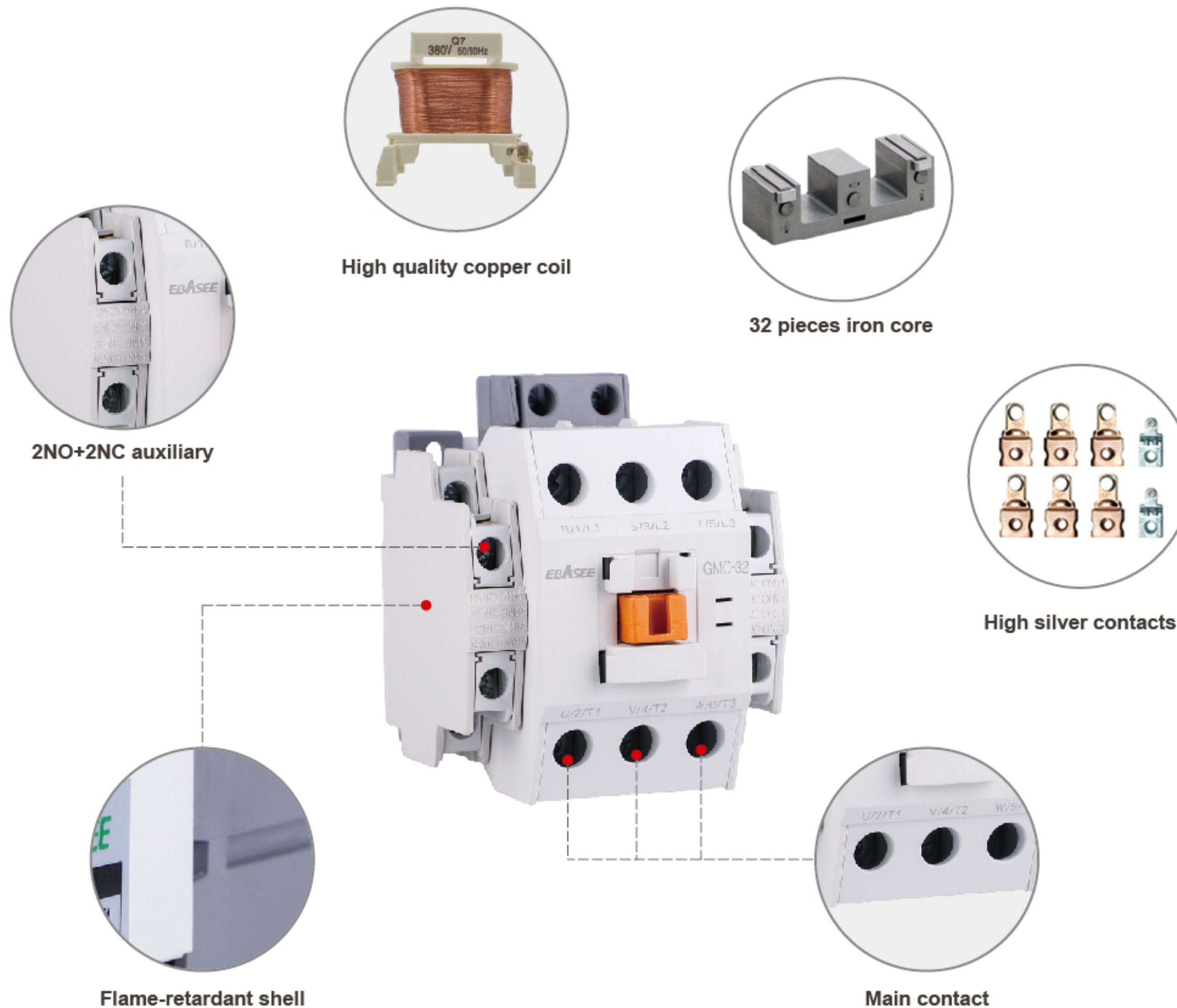
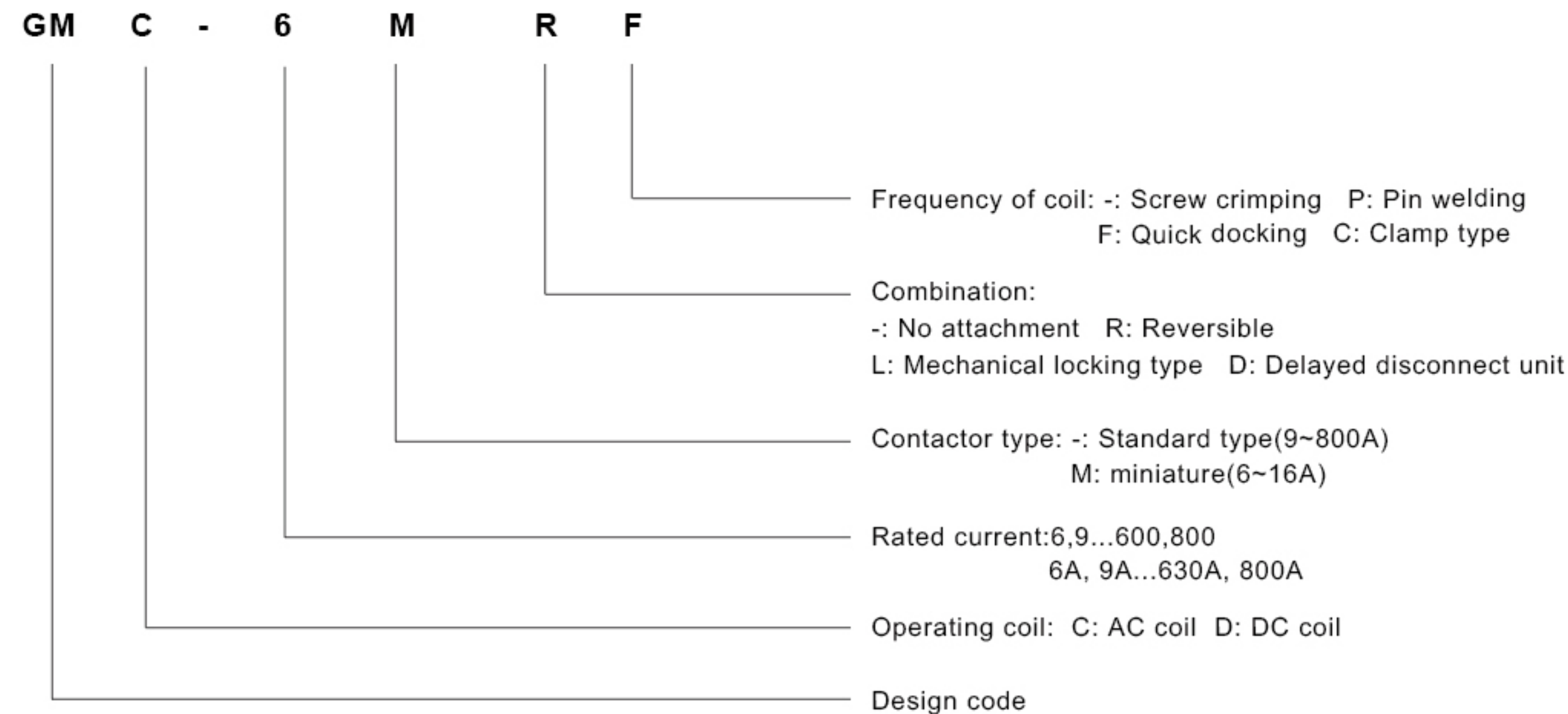


1.General

GMC Contactor is suitable for the circuits of AC 50Hz or 60Hz, rated insulating voltage is 660V, rated operating voltage is up to 690V, rated operating voltage is 380/400V in AC-3 type, rated operating current is up to 95A, for making, breaking, frequently starting & controlling the AC motor. Combined with the auxiliary contact block, timer delay & mechanical interlocking device, it is used as the delay contactor, mechanical interlocking contactor, star-delta starter. With the thermal relay, it is combined into the DOL starter. The contactor complies with IEC60947-4 standard.



2.Nomenclature



3.Specifications

3.1 GMC 9-100A Characteristic

- ❑ Four rated current levels of a frame
- ❑ 3 pairs of main contacts
- ❑ Design of safety cover against electric shock
- ❑ Guide rail or screw installation
- ❑ Small size: 44mm wide
- ❑ 1NO+1NC auxiliary contacts
- ❑ Attachments can be mounted on the top/side
- ❑ Can be directly plugged with thermal overload relay

3-pole contactor (AC coil)

Model	Rated current	AC3 (IEC60947-4)				AC1 lth	Auxiliary contact (standard)
		220~240V	380~440V	500~550V	690V		
GMC-9	9A	2.5kW 11A	4kW 9A	4kW 7A	4kW 5A	25A	1NO+1NC
GMC-12	12A	3.5kW 13A	5.5kW 12A	7.5kW 12A	7.5kW 9A	25A	1NO+1NC
GMC-18	18A	4.5kW 18A	7.5kW 18A	7.5kW 13A	7.5kW 9A	40A	1NO+1NC
GMC-22	22A	5.5kW 22A	11kW 22A	15kW 22A	15kW 18A	40A	1NO+1NC
GMC-32	32A	7.5kW 32A	15kW 32A	18.5kW 28A	18.5kW 20A	50A	1NO+1NC
GMC-40	40A	11kW 40A	18.5kW 40A	22kW 32A	22kW 23A	60A	1NO+1NC
GMC-50	50A	15kW 55A	22kW 50A	30kW 43A	30kW 28A	80A	1NO+1NC
GMC-65	65A	18.5kW 65A	30kW 65A	33kW 60A	33kW 35A	100A	1NO+1NC
GMC-75	75A	22kW 75A	37kW 75A	37kW 64A	37kW 42A	110A	1NO+1NC
GMC-85	85A	25kW 85A	45kW 85A	45kW 75A	45kW 45A	135A	1NO+1NC
GMC-100a	100A	25kW 105A	45kW 105A	50kW 85A	50kW 65A	160A	2NO+2NC

Coil voltage, AC50/60Hz

50Hz: 24, 36, 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
50/60Hz: 24, 36, 42, 48, 100, 110, 120, 200, 208, 220, 230, 240, 277, 380, 400, 415, 480, 500, 550, 600V

Coil voltage, DC

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

3.2 GMC 100-800A Characteristic

- ❑ 3 pairs of main contacts
- ❑ Design of safety cover against electric shock
- ❑ Guide rail or screw installation
- ❑ 2NO+2NC auxiliary contacts
- ❑ Attachments can be mounted on the top/side
- ❑ Can be directly plugged with thermal overload relay

3-pole contactor (AC/DC universal coil)

Model	Rated current	AC3 (IEC60947-4)				AC1 lth	Auxiliary contact (standard)
		220~240V	380~440V	500~550V	690V		
GMC-100	100A	30kW 105A	55kW 105A	55kW 85A	55kW 65A	160A	2NO+2NC
GMC-125	125A	37kW 125A	60kW 120A	60kW 90A	60kW 70A	160A	2NO+2NC
GMC-150	150A	45kW 150A	75kW 150A	90kW 140A	90kW 100A	210A	2NO+2NC
GMC-180	180A	55kW 180A	90kW 180A	110kW 180A	110kW 120A	230A	2NO+2NC
GMC-220	220A	75kW 250A	132kW 250A	132kW 200A	132kW 150A	275A	2NO+2NC
GMC-300	300A	90kW 300A	160kW 300A	160kW 250A	200kW 220A	350A	2NO+2NC
GMC-400	400A	125kW 400A	220kW 400A	225kW 350A	250kW 300A	450A	2NO+2NC
GMC-600	600A	190kW 630A	330kW 630A	330kW 500A	330kW 420A	660A	2NO+2NC
GMC-800	800A	220kW 800A	440kW 800A	550kW 720A	500kW 630A	900A	2NO+2NC

Coil, AC/DC universal coil.

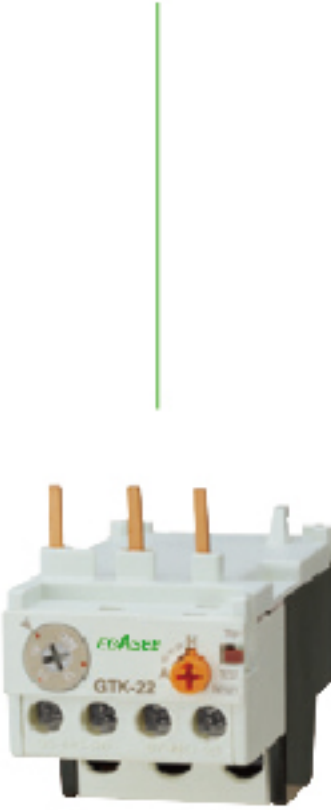
Nominal voltage	AC 50/60Hz	DC	Rated current
24V	24-25V	24V	100-220A
48V	48-50V	48V	100-220A
100/200V	100-240V	100-220V	100-800A
300V	265-347V	-	100-800A
400V	380-450V	-	100-800A
500V	440-575V	-	100-800A

4.Installation and wiring

Installation		9-100A	35mm guide rail or screw (M4)
		100/125A	Screw (M4) fixation.
		150A	Screw (M5) fixation.
		180/220A	Screw (M6) fixation.
		300/400A	Screw (M8) fixation.
		600/800A	Screw (M10) fixation.
Wiring	Main contact	9/12/18/22A	Screw (M4) wire pressing terminal
			Wire Diameter: 1.25~5.5mm²/φ1.6~2.6
		32/40A	Screw (M4) wire pressing terminal
			Wire Diameter: 2~14mm²/φ1.6~3.6
		50A	Screw (M6) wire pressing terminal
			Wire Diameter: 2~22mm²
		65/75/85A	Screw (M6) wire pressing terminal
			Wire Diameter: 2~38mm²
		100A	Screw (M8) wire pressing terminal
			Wire Diameter: 2~38mm²
		100/125A	Screw (M8) wire pressing terminal
			Wire Diameter: 2~60mm²
		150A	Screw (M8) wire pressing terminal
			Wire Diameter: 2~100mm²
		180/220A	Screw (M10) wire pressing terminal
			Wire Diameter: 2~150mm²
		300/400A	Screw (M12) wire pressing terminal
			Wire Diameter: 2~200mm²
	600/800A	Screw (M16) wire pressing terminal	
		Wire Diameter: 80~325mm²	
Auxiliary contact/Coil	9-100A	Screw (M3.5) wire pressing terminal	
	100-800A	Screw (M4) wire pressing terminal	

5.Optional accessories

5.1.GMC-9A 12A 18A 22A Characteristic



GT-22
Hot (bimetal) type



GMP22
Electronic formula



AU-1
Auxiliary contact unit
2-Pole ,Side-mounted



AU-2
Auxiliary contact unit
2-Pole ,Top mount



AU-4
Auxiliary contact unit
4-Pole ,Top mount



AR-9
Mechanical interlocking unit



AL-9
Mechanical locking unit



AS
Surge suppression unit



AD-9
Delay disconnection unit

5.2.GMC-32A 40A Characteristic



GT-40
Hot (bimetal) type



GMP40
Electronic formula



AU-1
Auxiliary contact unit
2-Pole ,Side-mounted



AU-2
Auxiliary contact unit
2-Pole ,Top mount



AU-4
Auxiliary contact unit
4-Pole ,Top mount



AR-9
Mechanical interlocking unit



AL-9
Mechanical locking unit



AS
Surge suppression unit



AD-9
Delay disconnection unit

5.3.GMC-50A 65A 75A 85A Characteristic



GT-85
Hot (bimetal) type



GMP80
Electronic formula
Independent installation type



AU-1
Auxiliary contact unit
2-Pole ,Side-mounted



AU-2
Auxiliary contact unit
2-Pole ,Top mount



AU-4
Auxiliary contact unit
4-Pole ,Top mount



AR-9
Mechanical interlocking unit



AL-9
Mechanical locking unit



AS
Surge suppression unit



AD-9
Delay disconnection unit

5.4.GMC-100A Characteristic



GT-100
Hot (bimetal) type



AU-1
Auxiliary contact unit
2-Pole ,Side-mounted



AU-2
Auxiliary contact unit
2-Pole ,Top mount



AU-4
Auxiliary contact unit
4-Pole ,Top mount



AR-9
Mechanical interlocking unit



AL-9
Mechanical locking unit

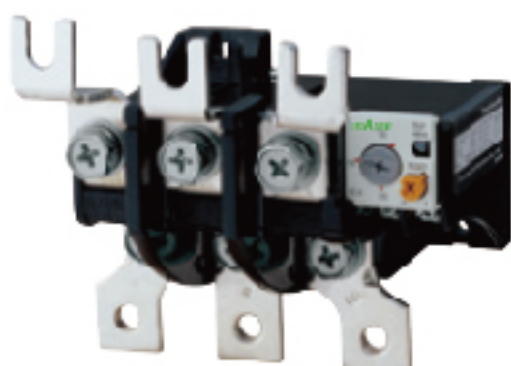


AS
Surge suppression unit

5.5.GMC-100A 125A 150A Characteristic



GT-100 GMC-100, 125
Hot (bimetal) type



GT-150 GMC-150
Hot (bimetal) type



AU-100/AU-100E
Auxiliary contact unit
2-Pole ,Side-mounted



AR-100
Mechanical interlocking unit



AL-100, 150
Mechanical locking unit



AS
Surge suppression unit



AD-100
Delay disconnection unit



Terminal cover

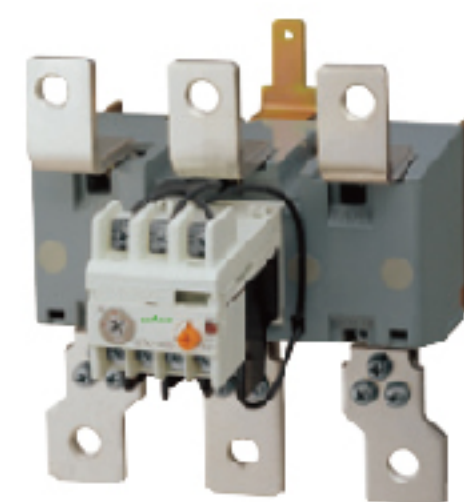


AI-100
Insulation clapboard

5.6.GMC-100A 125A 150A Characteristic



GT-220 GMC-180, 220
Hot (bimetal) type



GT-400 GMC-300, 400
Hot (bimetal) type



AU-100/AU-100E
Auxiliary contact unit
2-Pole ,Side-mounted



AR-100
Mechanical interlocking unit



AL-220, 400
Mechanical locking unit



AS
Surge suppression unit



AD-100, 300
Delay disconnection unit

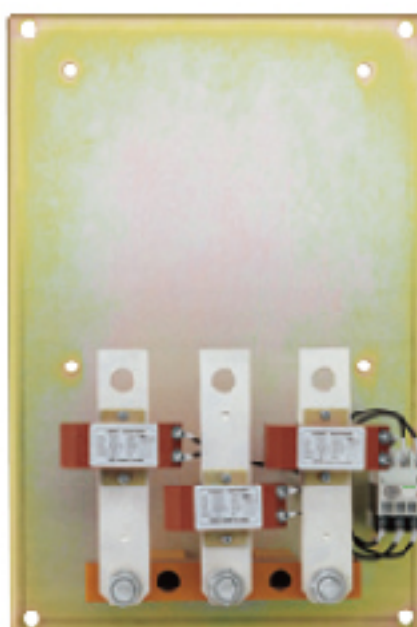


Terminal cover



AI-180
Insulation clapboard

5.7.GMC-600A 800A Characteristic



GT-600
Hot (bimetal) type



AU-100/AU-100E
Auxiliary contact unit
2-Pole ,Side-mounted



AD-600
Delay disconnection unit



Terminal cover



AI-600
Insulation clapboard



AS
Surge suppression unit



AR-600
Mechanical interlocking unit

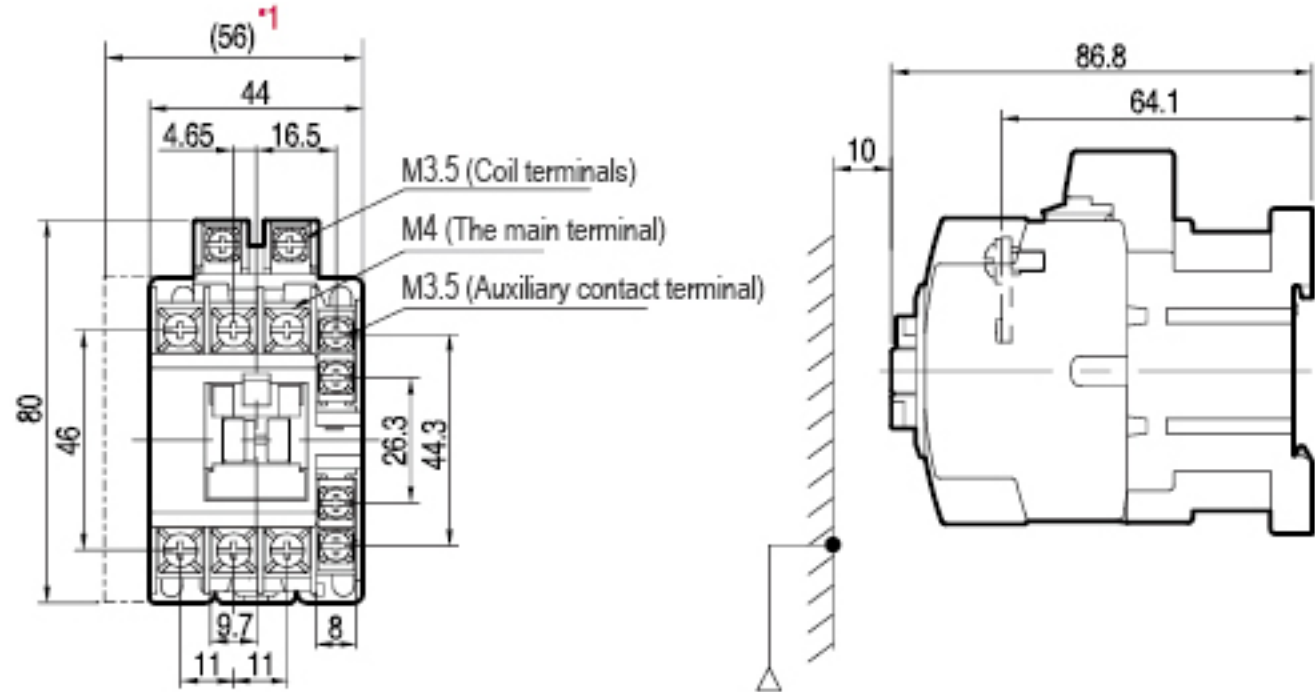
4.Dimensions

GMC-9

GMC-12

GMC-18

GMC-22

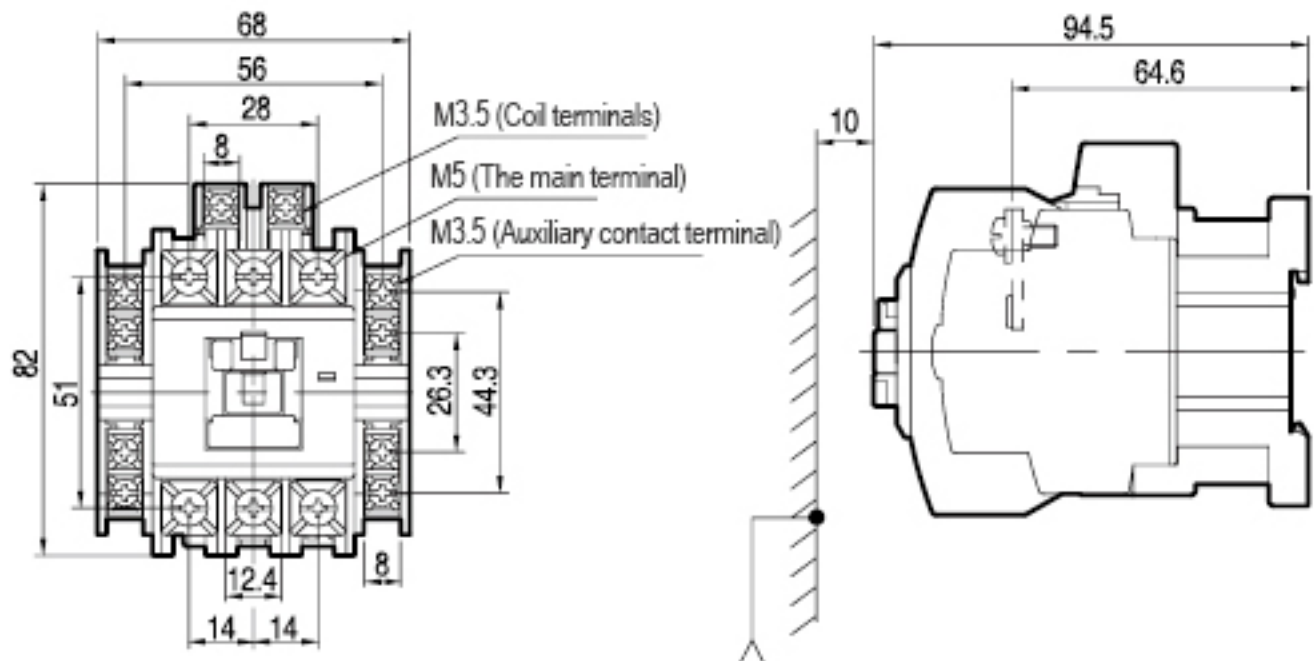


*1: Auxiliary contact are side mounted

GMC-9,12:0.33kg
GMC-18,22:0.37kg

GMC-32

GMC-40



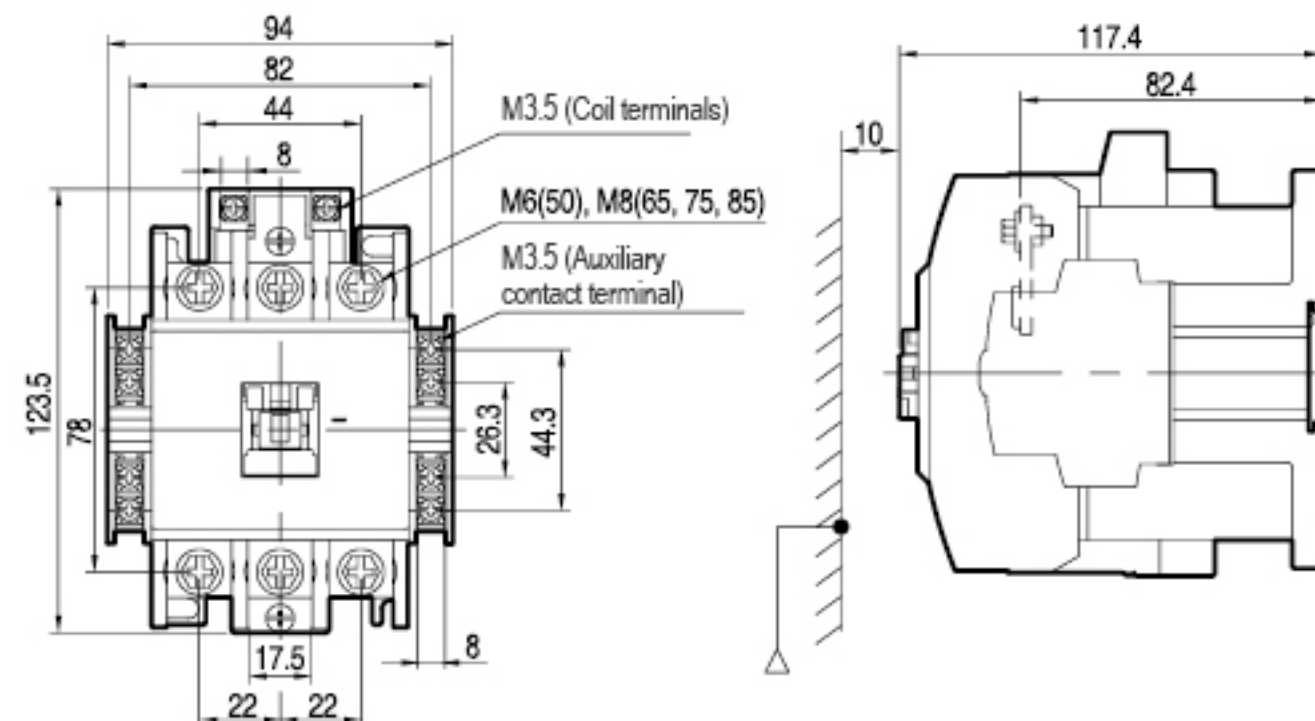
0.45kg

GMC-50

GMC-65

GMC-75

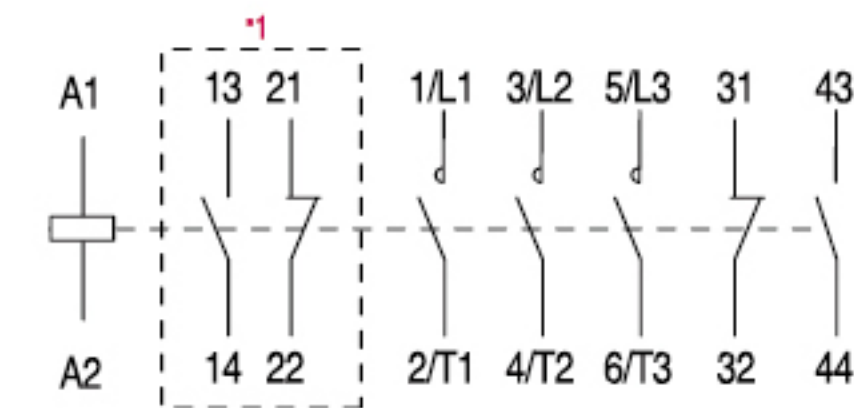
GMC-85



1kg

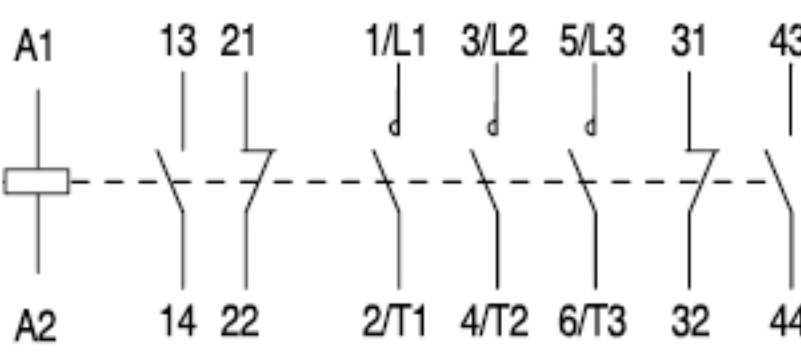
Circuit diagram

GMC-9~22



*1: Auxiliary contact are side mounted

GMC-32~85



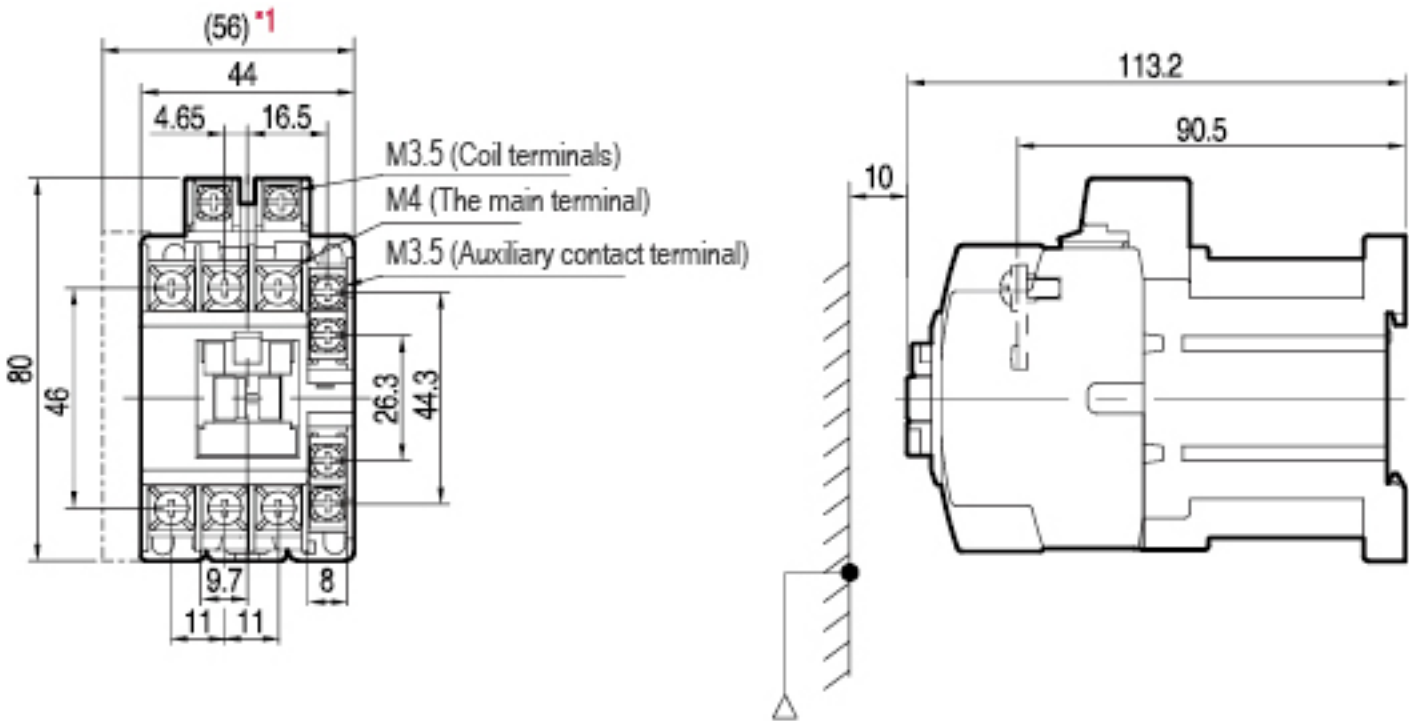
3Poles Contactor,(DC control coil)

GMD-9

GMD-12

GMD-18

GMD-22

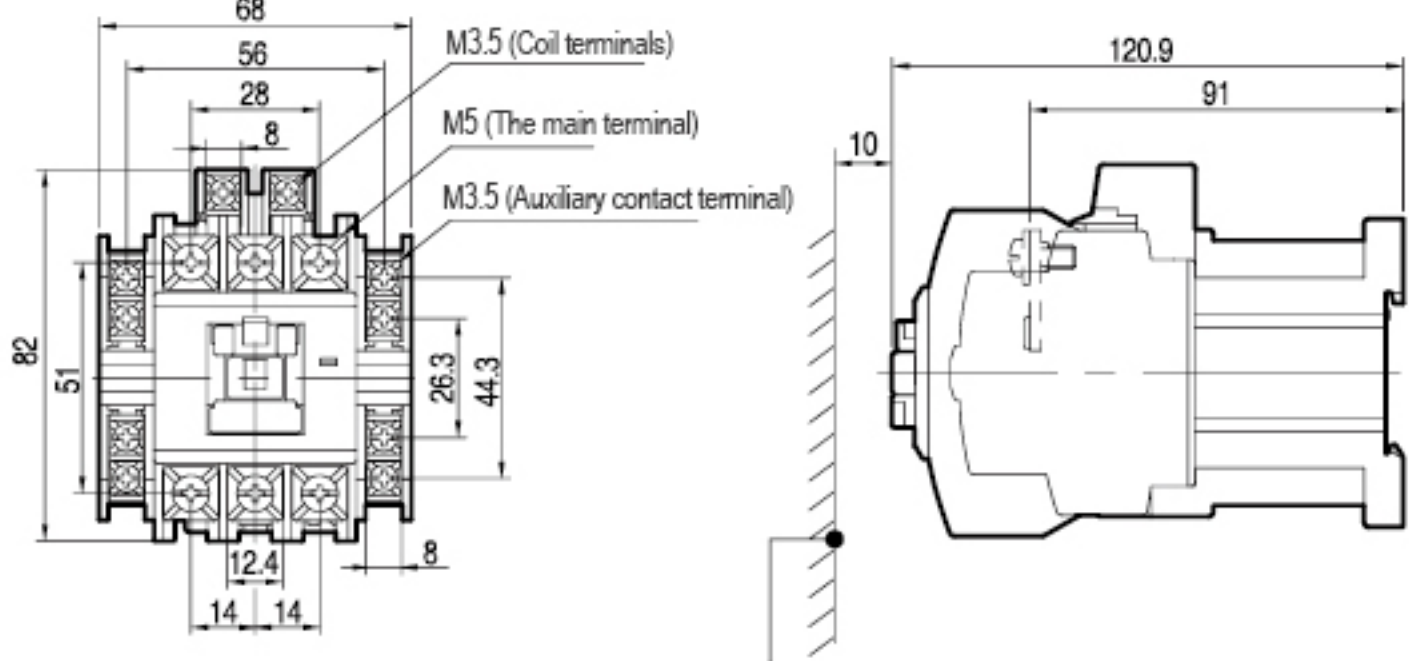


*1: Auxiliary contact are side mounted

GMD-9,12:0.55kg
GMD-18,22:0.59kg

GMD-32

GMD-40



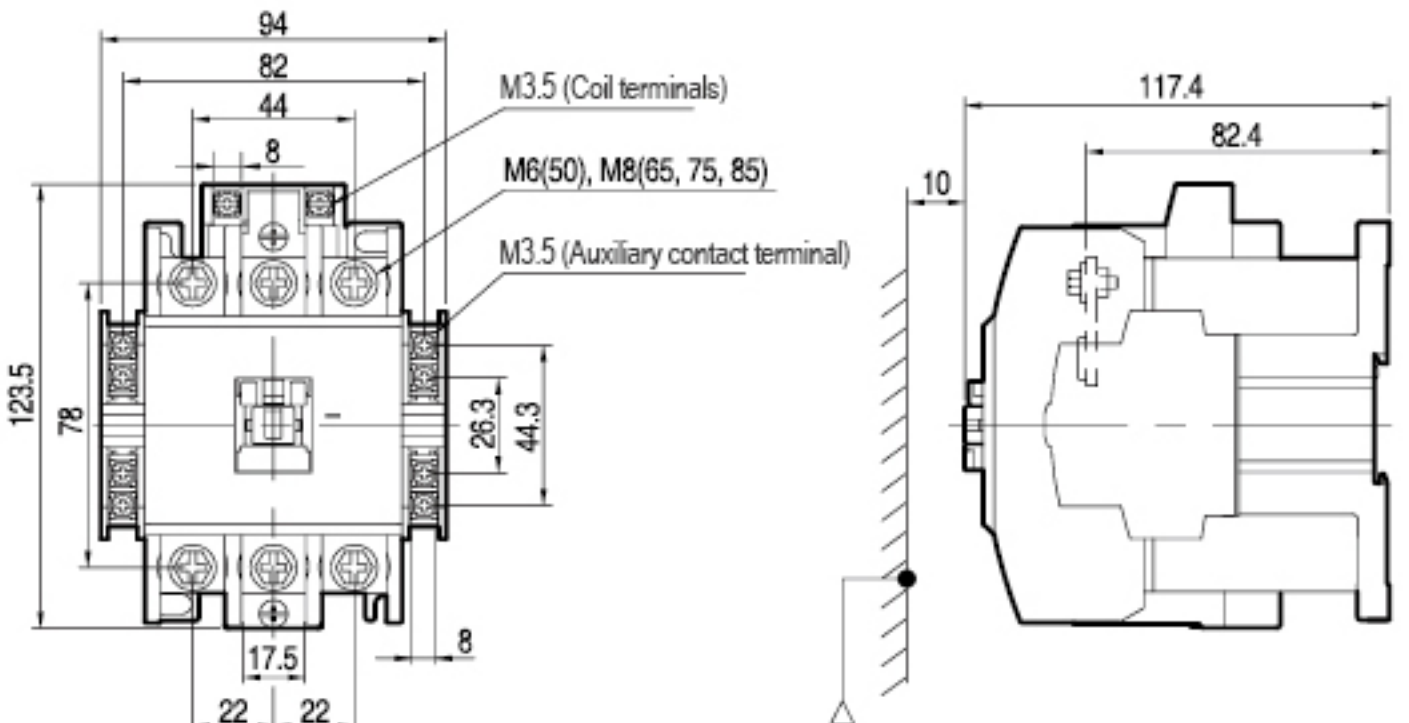
0.67kg

GMD-50

GMD-65

GMD-75

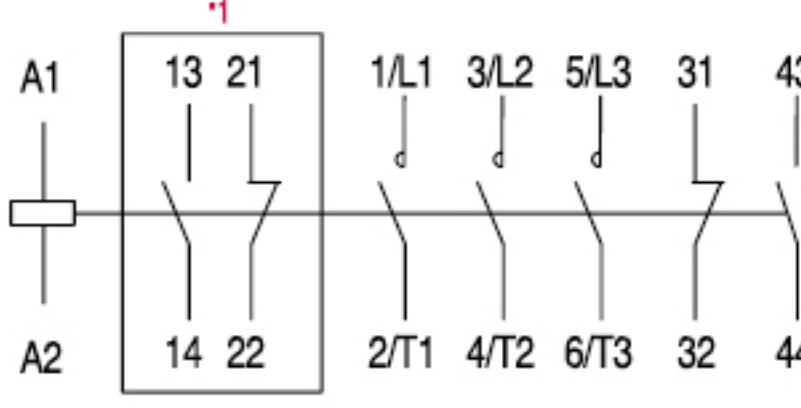
GMD-85



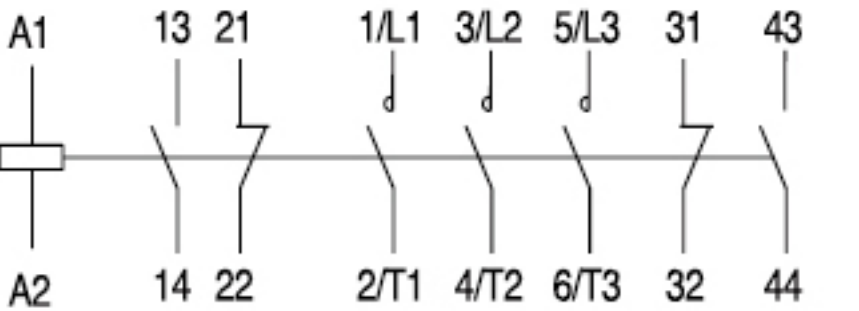
1.06kg

Circuit diagram

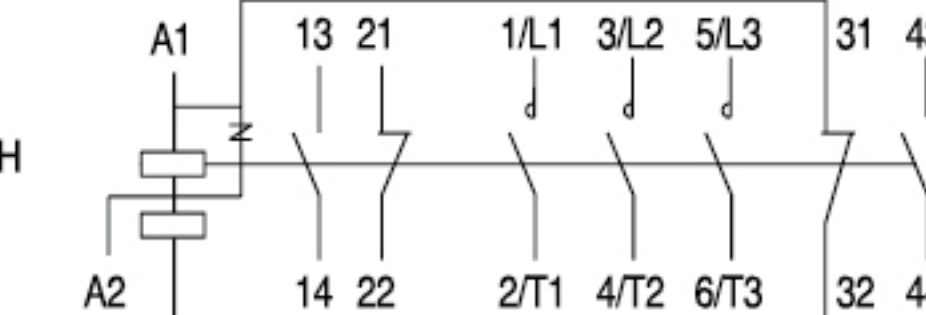
GMD-9~22



GMD-32, 40

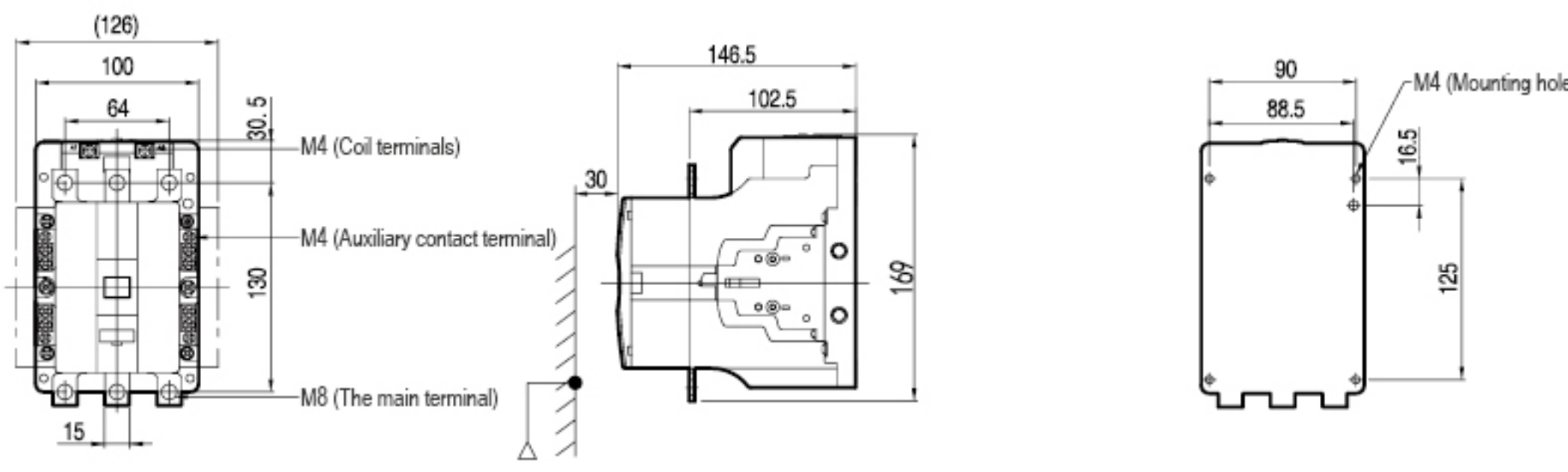


GMD-50~85



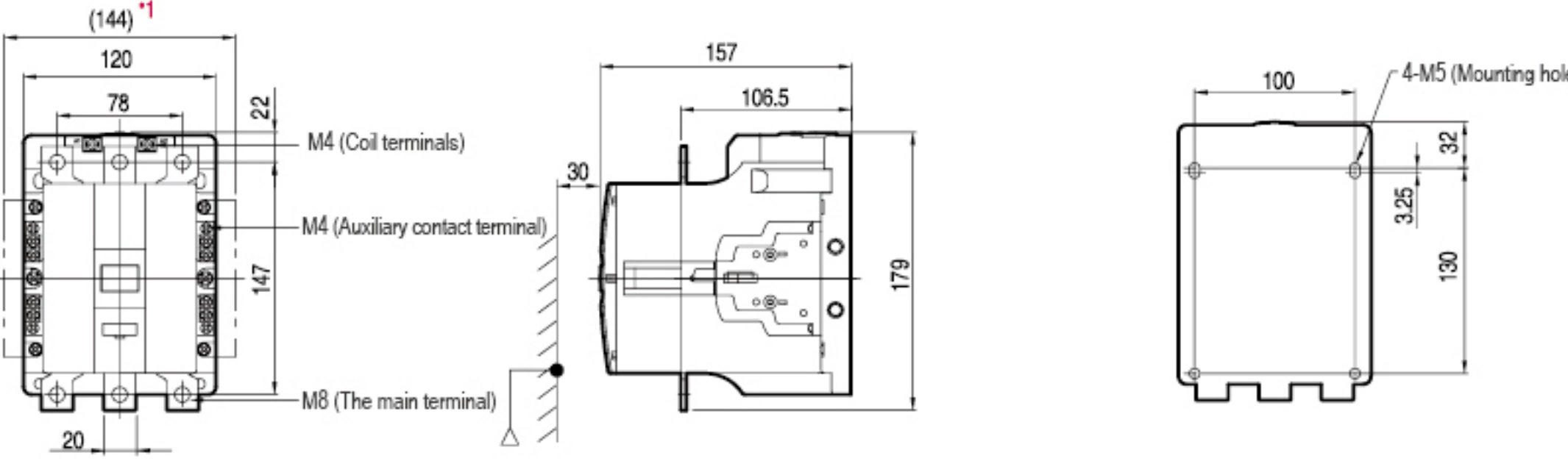
3Poles Contactor

GMC-100
GMC-125



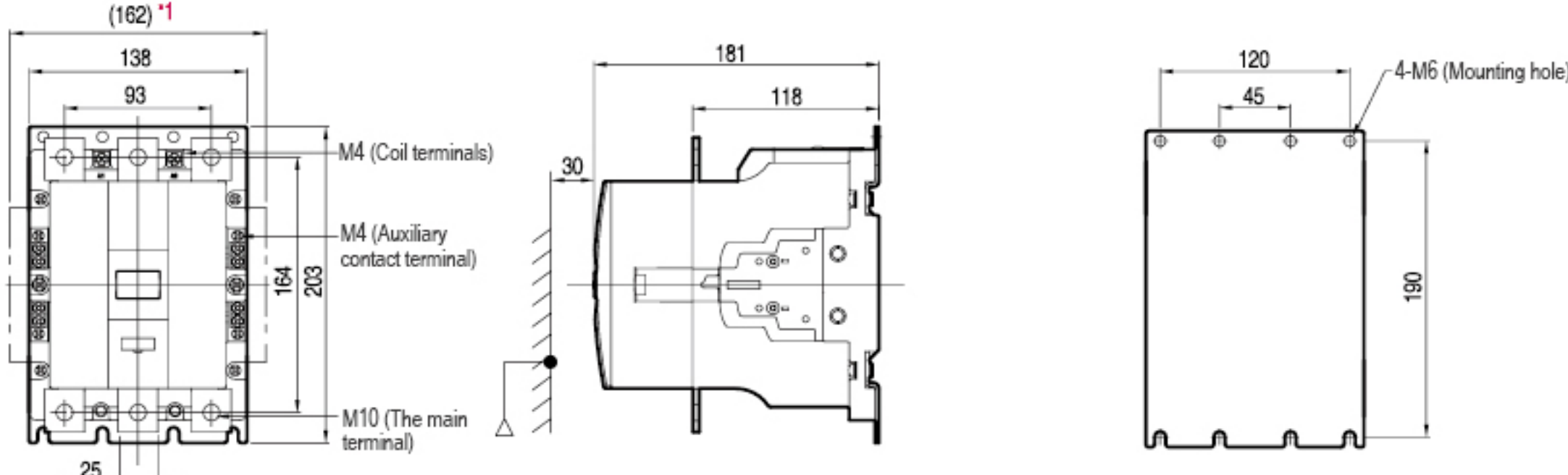
2.9kg

GMC-150



3.4kg

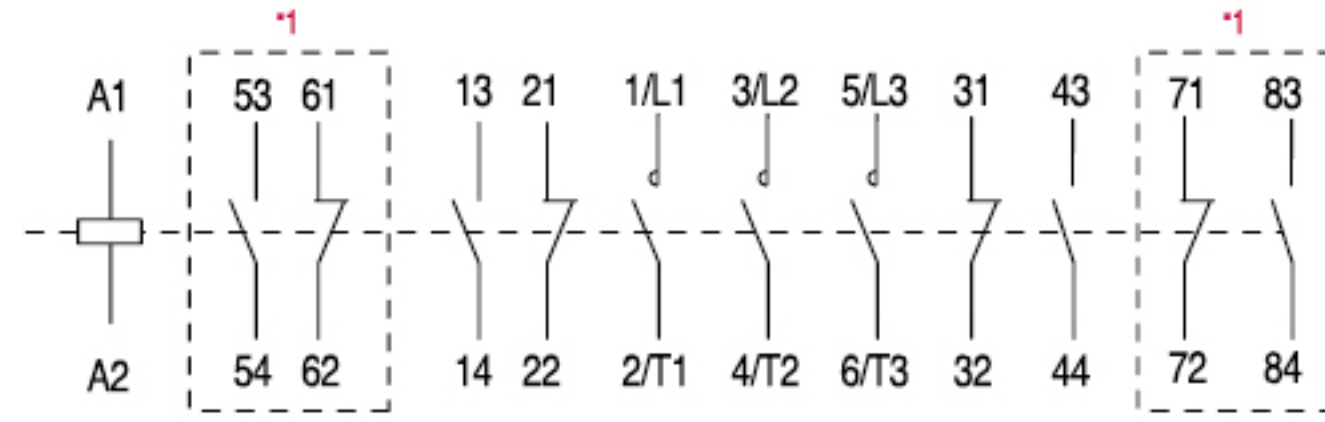
GMC-180
GMC-220



5.4kg

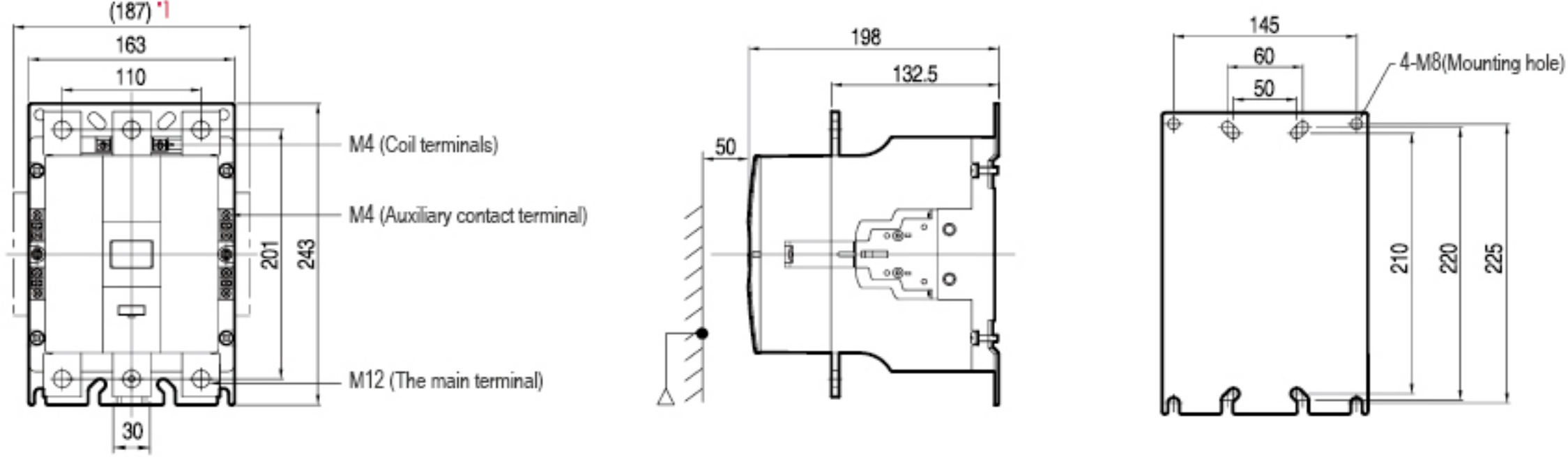
Circuit diagram

GMC-100~220



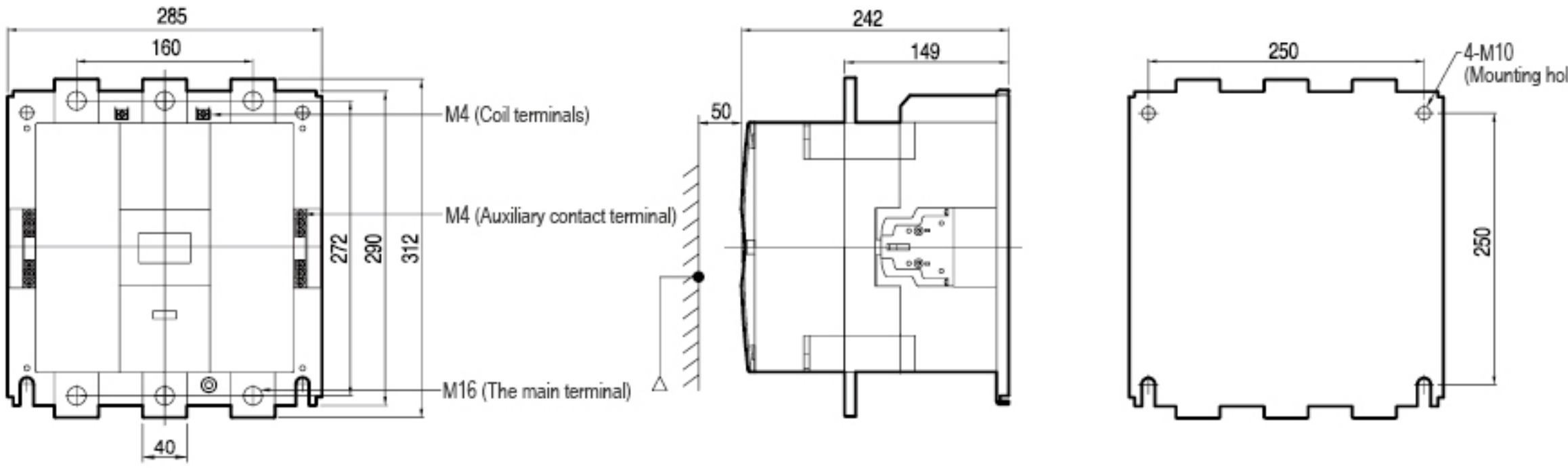
*1: Auxiliary contact are side mounted

GMC-300
GMC-400



9.2kg

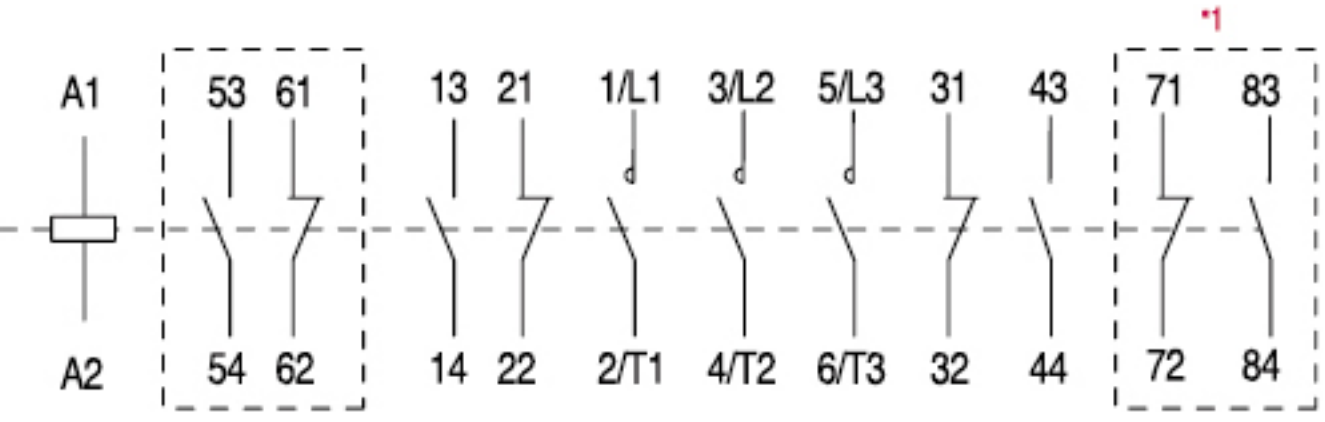
GMC-600
GMC-800



22.4kg

Circuit diagram

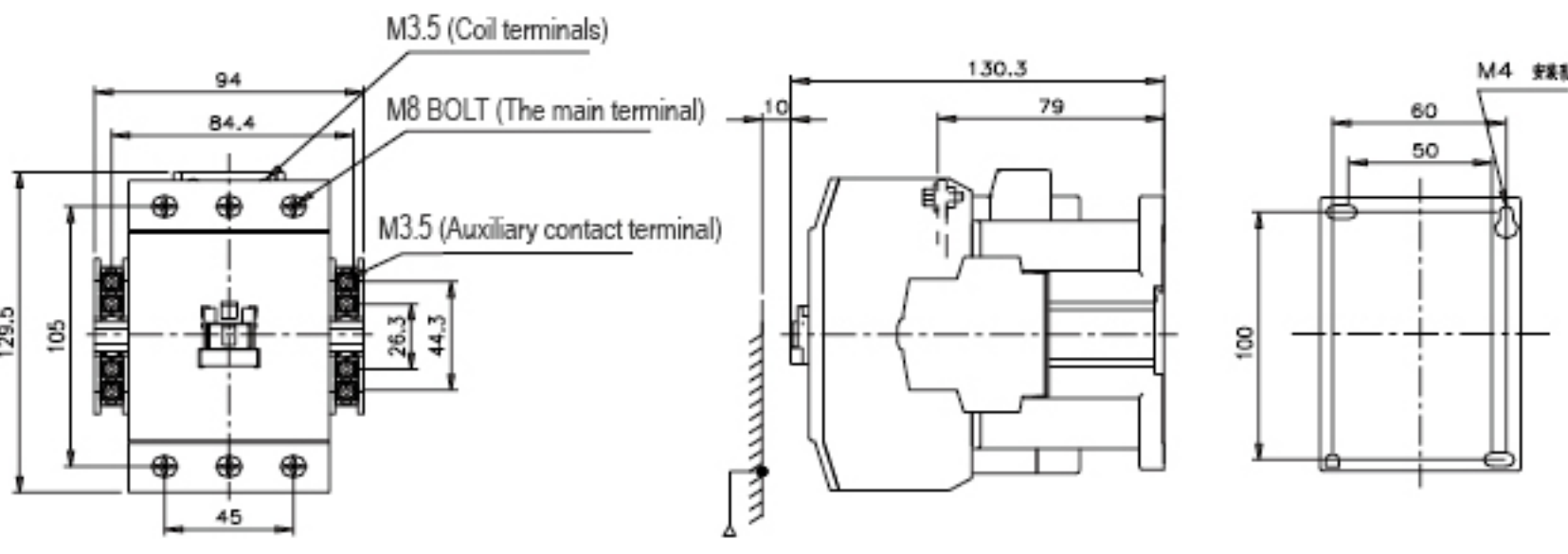
GMC-300~800



*1: Auxiliary contact are side mounted

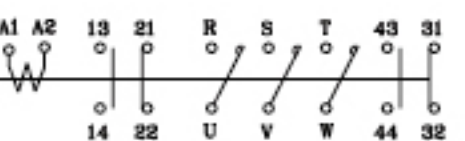
GMC/D-100a

Dimensions



Circuit diagram

GMC -100a



GMD -100a

GMC-100a(1.52kg)
GMD-100a(1.53kg)