



Specifications and technical data are subject to change without notice.
Please contact to confirm relevant information on ordering.

📍 No.18, Gutang Rd, Shanghai 201209, China
☎ +86 21 5032 0898
📠 +86 21 5032 0828
✉ info@ebasee.com
🌐 www.ebasee.com



Copy right reserved EBS.NO.2021001

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.

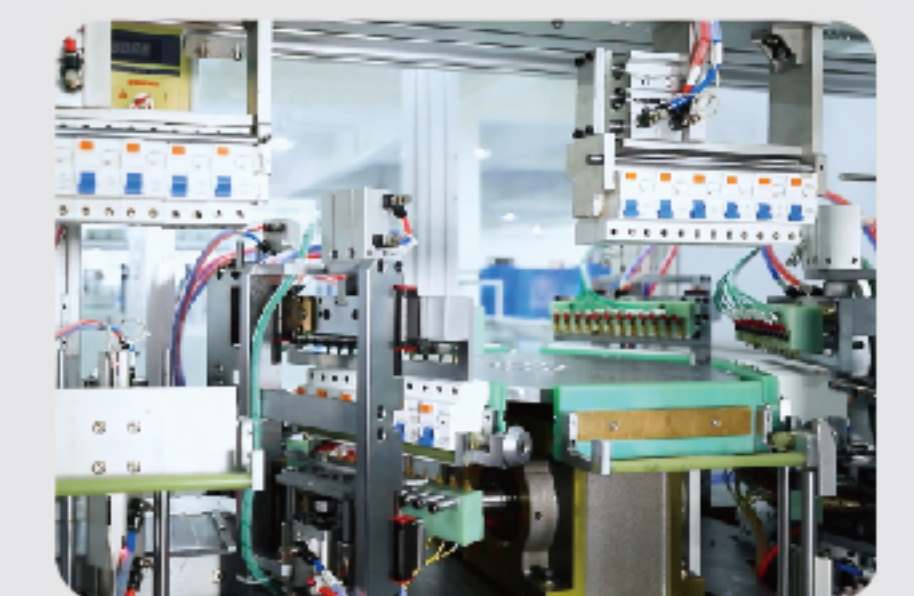
EBASEE focused on achieving growth through the success of worldwide partners. Guided by the philosophy of "market-oriented", powered by the idea of "Quick response and flexible supply", EBASEE support our worldwide partners to compete against established global players, to deliver the most systemetic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

"Smart life, Green EBASEE"



Quality is our culture!

PRODUCTION LINE

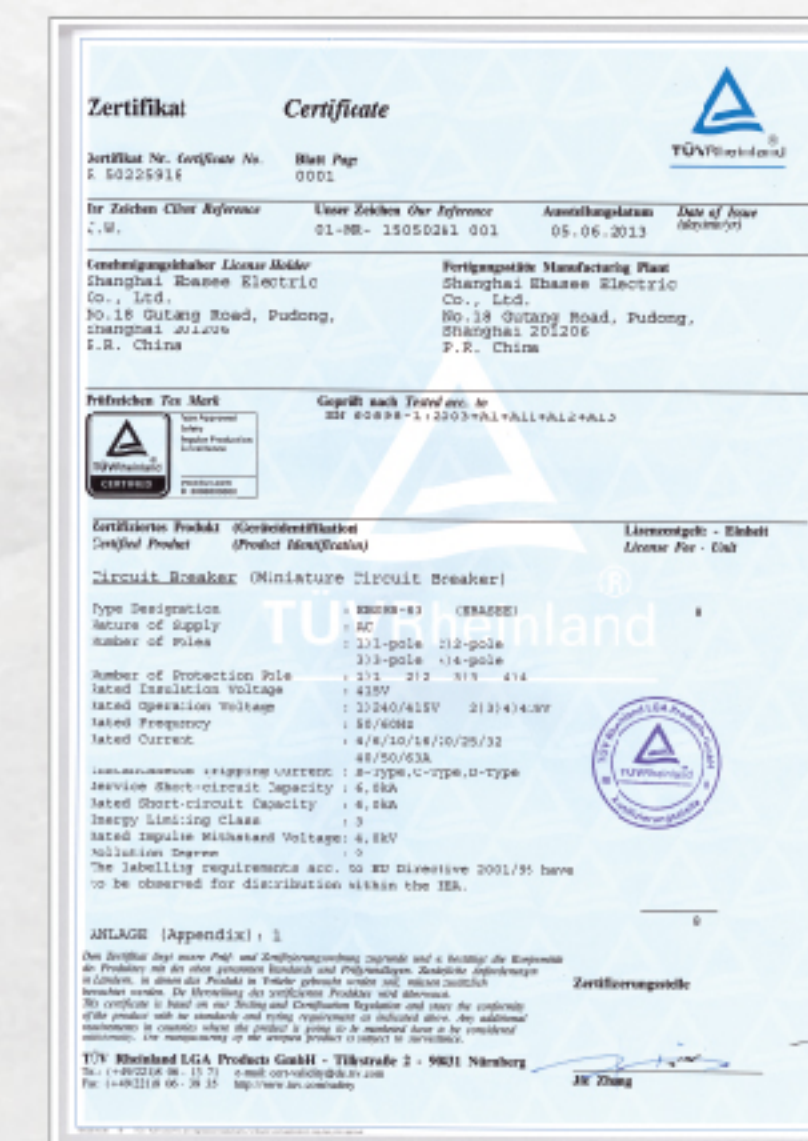
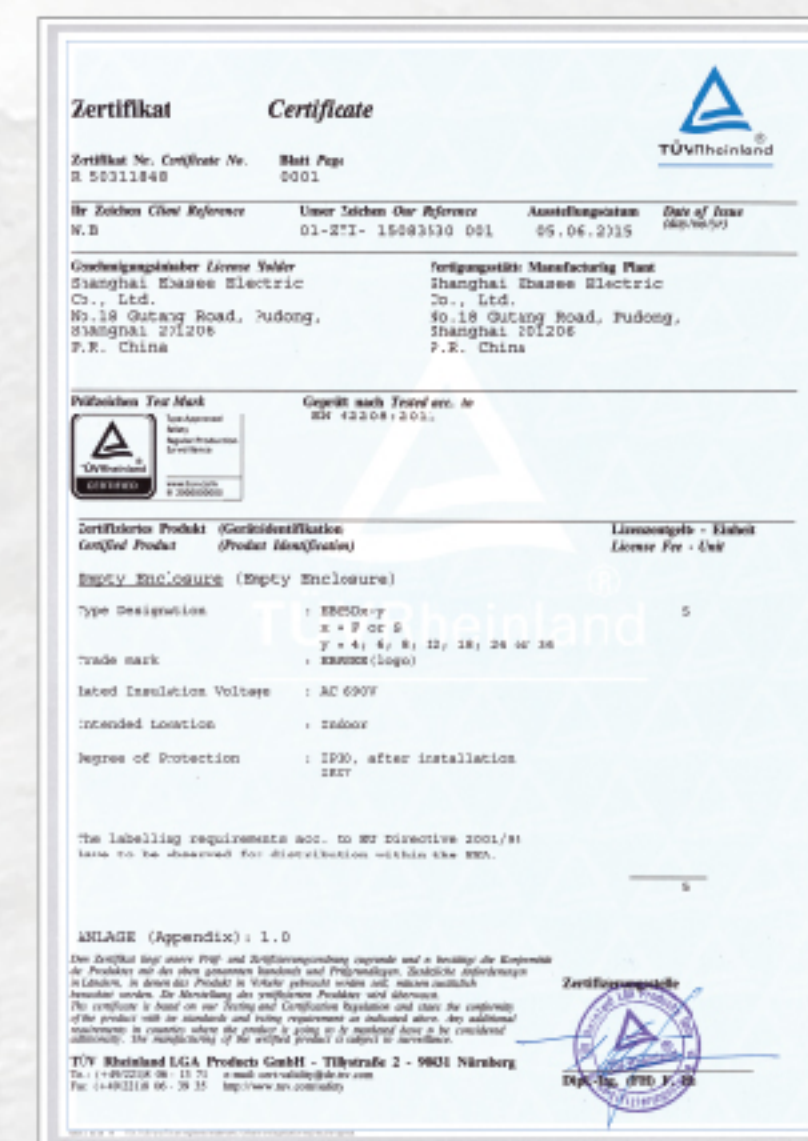
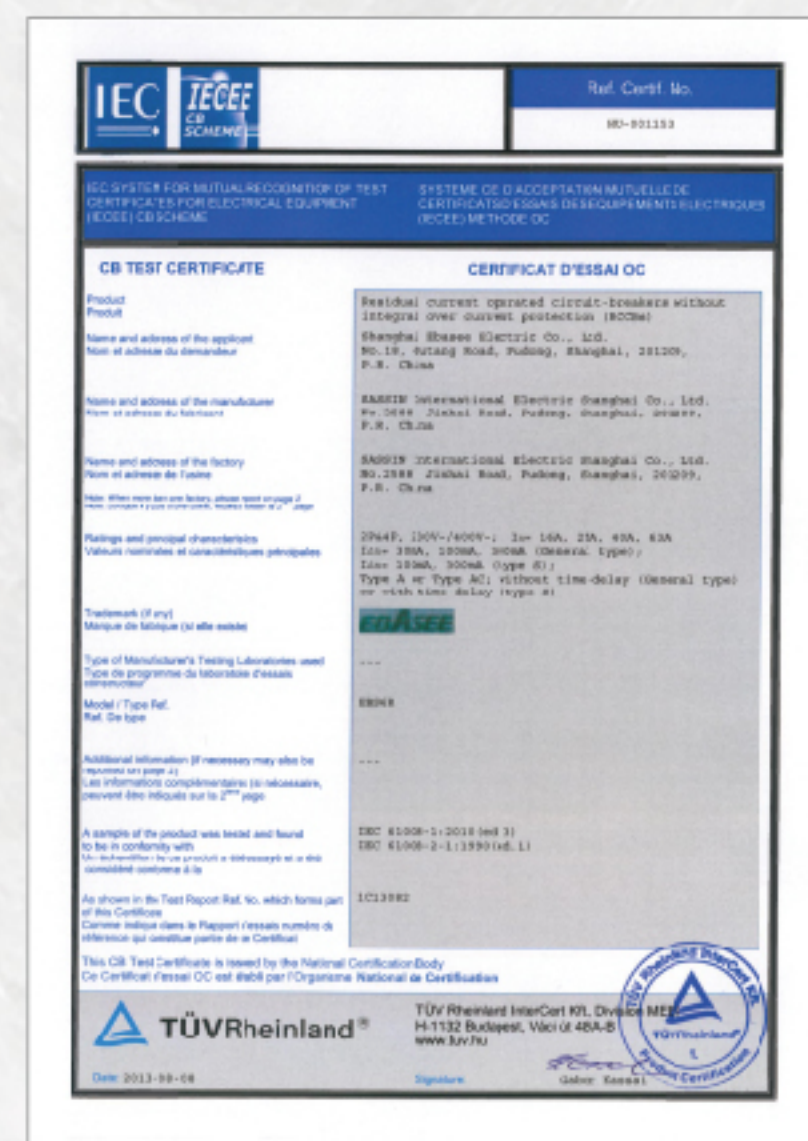
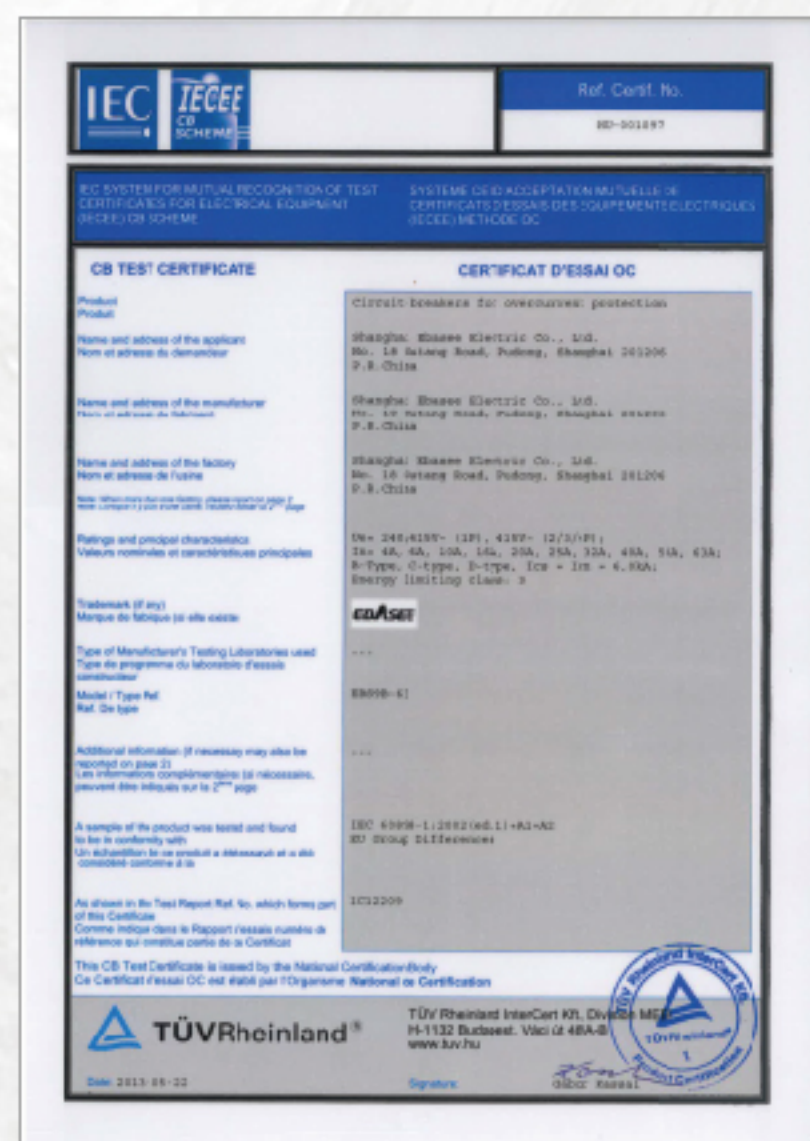


SMART LIVING GREEN EBASEE



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

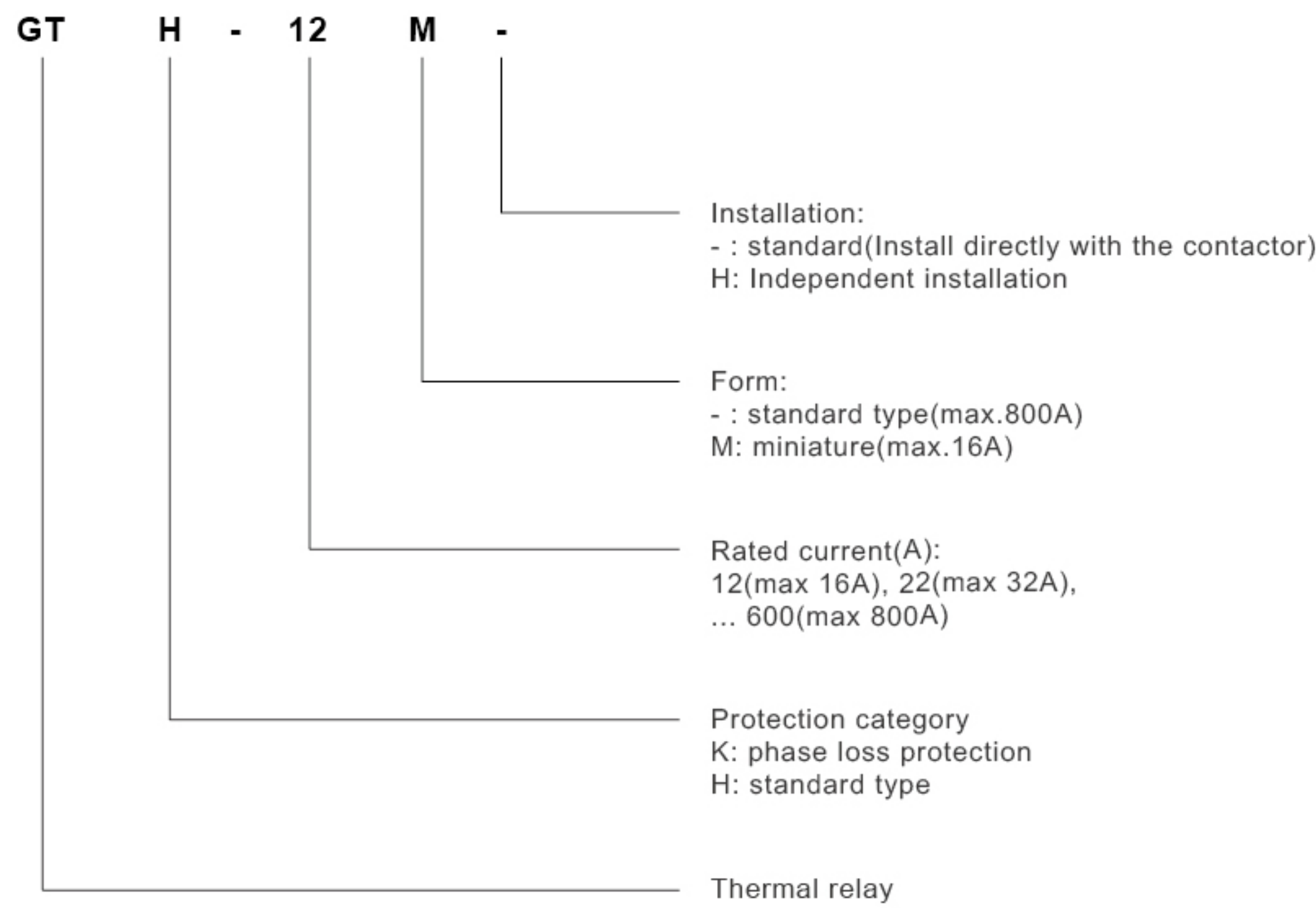
GTH Series overload relays apply to circuit of AC 50Hz or 60Hz, rated voltage to below 660V for AC motor overload and single phase protection during long time or intermittent long time service,which can also protect three phase serious imbalance and long starting time of motor or long time operation, can also be used for corresponding AC contactor for electromagnetic starter.

This product has innovative, elegant model and small installation area, functions such as temperature compensation, action indication, automatic and manual reset, stop with steady and reliable performance

Thermal relay can be combined/connected with contactor or installed separately.

Standard: IEC 60947-4-1.

2.Nomenclature



3.Specifications

3.1.GTH12-600

- 1NO+1NC
- IEC60947-4-1 Class 10A
- Phase protection: GTK
- Standard type: GTH
- Applicable ambient temperature: -5~40°C
- Can be set to manual / automatic reset
- Optional remote reset
- Free trip design

Model	Current Setting Range(A)	Phase protection	Standard type
GTH(K)-12	0.1-0.16	GTK-12M 0.16	GTH-12M 0.16
	0.16-0.25	GTK-12M 0.25	GTH-12M 0.25
	0.25-0.4	GTK-12M 0.4	GTH-12M 0.4
	0.4-0.63	GTK-12M 0.63	GTH-12M 0.63
	0.63-1	GTK-12M 1	GTH-12M 1
	1-1.6	GTK-12M 1.6	GTH-12M 1.6
	1.6-2.5	GTK-12M 2.5	GTH-12M 2.5
	2.5-4	GTK-12M 4	GTH-12M 4
	4-6	GTK-12M 6	GTH-12M 6
	5-8	GTK-12M 8	GTH-12M 8
	6-9	GTK-12M 9	GTH-12M 9
	7-10	GTK-12M 10	GTH-12M 10
GTH(K)-22	9-13	GTK-12M 13	GTH-12M 13
	12-16	GTK-12M 16	GTH-12M 16
	0.1-0.16	GTK-22 0.14	GTH-22/3 0.14
	0.16-0.25	GTK-22 0.21	GTH-22/3 0.21
	0.25-0.4	GTK-22 0.33	GTH-22/3 0.33
	0.4-0.63	GTK-22 0.52	GTH-22/3 0.52
	0.63-1	GTK-22 0.82	GTH-22/3 0.82
	1-1.6	GTK-22 1.3	GTH-22/3 1.3
	1.6-2.5	GTK-22 2.1	GTH-22/3 2.1
	2.5-4	GTK-22 3.3	GTH-22/3 3.3
	4-6	GTK-22 5	GTH-22/3 5
	5-8	GTK-22 6.5	GTH-22/3 6.5

Model	Current Setting Range(A)	Phase protection	Standard type
GTH(K)-22	6-9	GTK-22 7.5	GTH-22/3 7.5
	7-10	GTK-22 8.5	GTH-22/3 8.5
	9-13	GTK-22 11	GTH-22/3 11
	12-18	GTK-22 15	GTH-22/3 15
	16-22	GTK-22 19	GTH-22/3 19
	18-25	GTK-22 21.5	GTH-22 21.5
	22-32	GTK-22 27	GTH-22 27
GTH(K)-40	4-6	GTK-40 5	GTH-40/3 5
	5-8	GTK-40 6.5	GTH-40/3 6.5
	6-9	GTK-40 7.5	GTH-40/3 7.5
	7-10	GTK-40 8.5	GTH-40/3 8.5
	9-13	GTK-40 11	GTH-40/3 11
	12-18	GTK-40 15	GTH-40/3 15
	16-22	GTK-40 19	GTH-40/3 19
	18-26	GTK-40 22	GTH-40/3 22
	24-36	GTK-40 30	GTH-40/3 30
	28-40	GTK-40 34	GTH-40/3 34
GTH(K)-85	7-10	GTK-85 8.5	GTH-85/3 8.5
	9-13	GTK-85 11	GTH-85/3 11
	12-18	GTK-85 15	GTH-85/3 15
	16-22	GTK-85 19	GTH-85/3 19
	18-26	GTK-85 22	GTH-85/3 22
	24-36	GTK-85 30	GTH-85/3 30
	28-40	GTK-85 34	GTH-85/3 34
	34-50	GTK-85 42	GTH-85/3 42
	45-65	GTK-85 55	GTH-85/3 55
	54-75	GTK-85 65	GTH-85/3 65
	63-85	GTK-85 74	GTH-85/3 74
GTH(K)-100	34-50	GTK-100 41	GTH-100/3 41
	39-57	GTK-100 48	GTH-100/3 48
	43-65	GTK-100 56	GTH-100/3 56
	54-80	GTK-100 67	GTH-100/3 67
	65-100	GTK-100 80	GTH-100/3 80
	85-125	GTK-100 107	GTH-100/3 107

Model	Current Setting Range(A)	Phase protection	Standard type
GTH(K)-150	34-50	GTK-150 41	GTH-150/3 41
	39-57	GTK-150 48	GTH-150/3 48
	43-65	GTK-150 56	GTH-150/3 56
	54-80	GTK-150 67	GTH-150/3 67
	65-100	GTK-150 80	GTH-150/3 80
	85-125	GTK-150 107	GTH-150/3 107
	100-150	GTK-150 130	GTH-150/3 130
GTH(K)-220	65-100	GTK-220 80	GTH-220/3 80
	85-125	GTK-220 107	GTH-220/3 107
	100-160	GTK-220 130	GTH-220/3 130
	120-180	GTK-220 150	GTH-220/3 150
	160-240	GTK-220 200	GTH-220/3 200
GTH(K)-400	85-125	GTK-400 107	GTH-400/3 107
	100-160	GTK-400 130	GTH-400/3 130
	120-180	GTK-400 150	GTH-400/3 150
	160-240	GTK-400 200	GTH-400/3 200
	200-300	GTK-400 250	GTH-400/3 250
	260-400	GTK-400 350	GTH-400/3 350
GTH(K)-600/800	200-300	GTK-600 250	GTH-600/3 250
	260-400	GTK-600 350	GTH-600/3 350
	400-600	GTK-600 500	GTH-600/3 500
	520-800	GTK-600 660	GTH-600/3 660

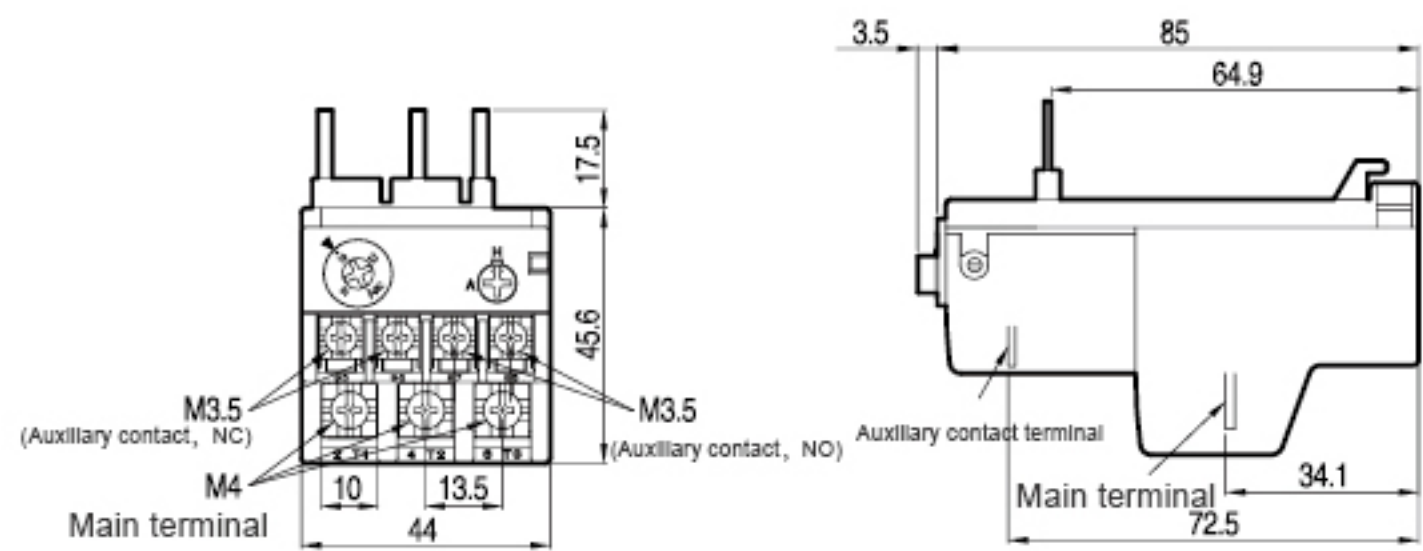
AC15(11) load			DC13(11) load	
110V	220V	550V	110V	220V
2.5(0.3)A	2(0.3)A	1(0.3)A	0.28A	0.14A

4.Connection

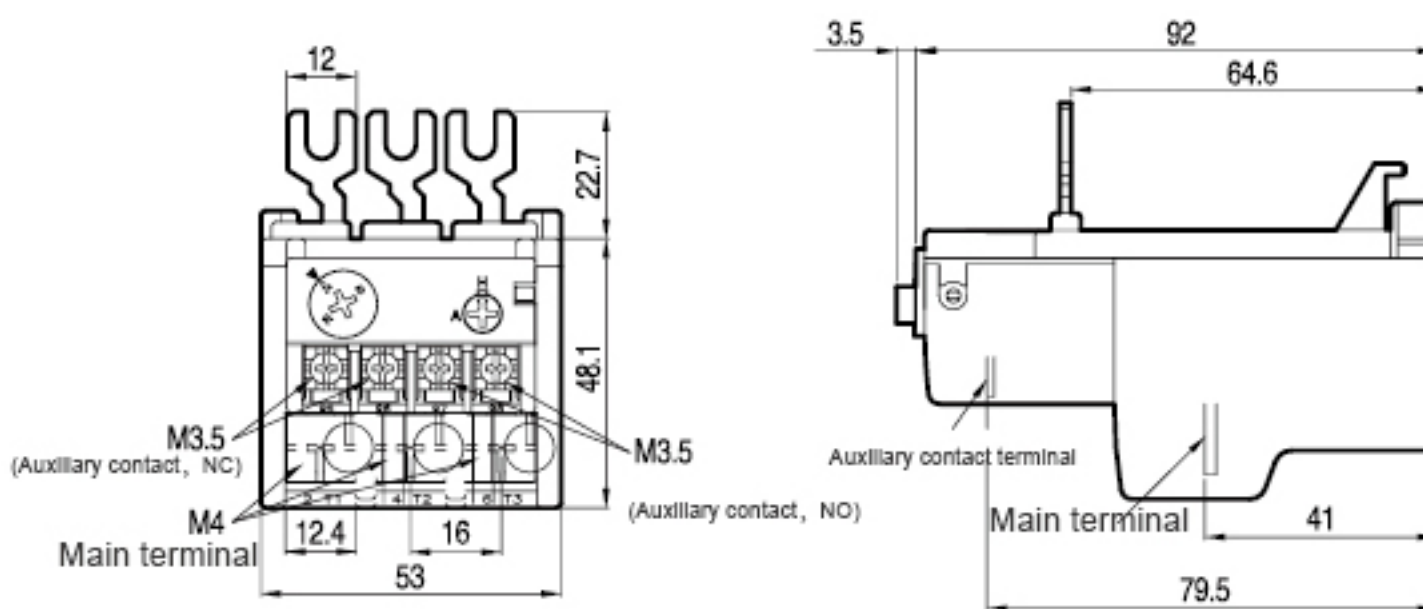
Wiring	Main contact	9/12/18/22A	Screw (M4) wire pressing terminal Wire Diameter: 1.25~5.5mm²/φ1.6~2.6
		32/40A	Screw (M4) wire pressing terminal Wire Diameter: 2~14mm²/φ1.6~3.6
		50A	Screw (M6) wire pressing terminal Wire Diameter: 2~22mm²
		65/75/85A	Screw (M6) wire pressing terminal Wire Diameter: 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.Dimensions

GTH-22
GTK-22
0.11kg

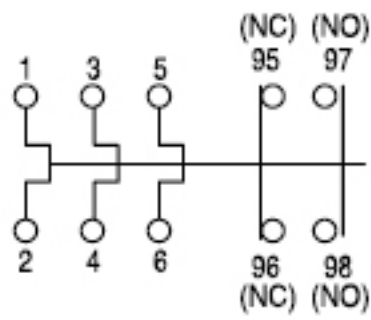


GTH-40
GTK-40
0.17kg

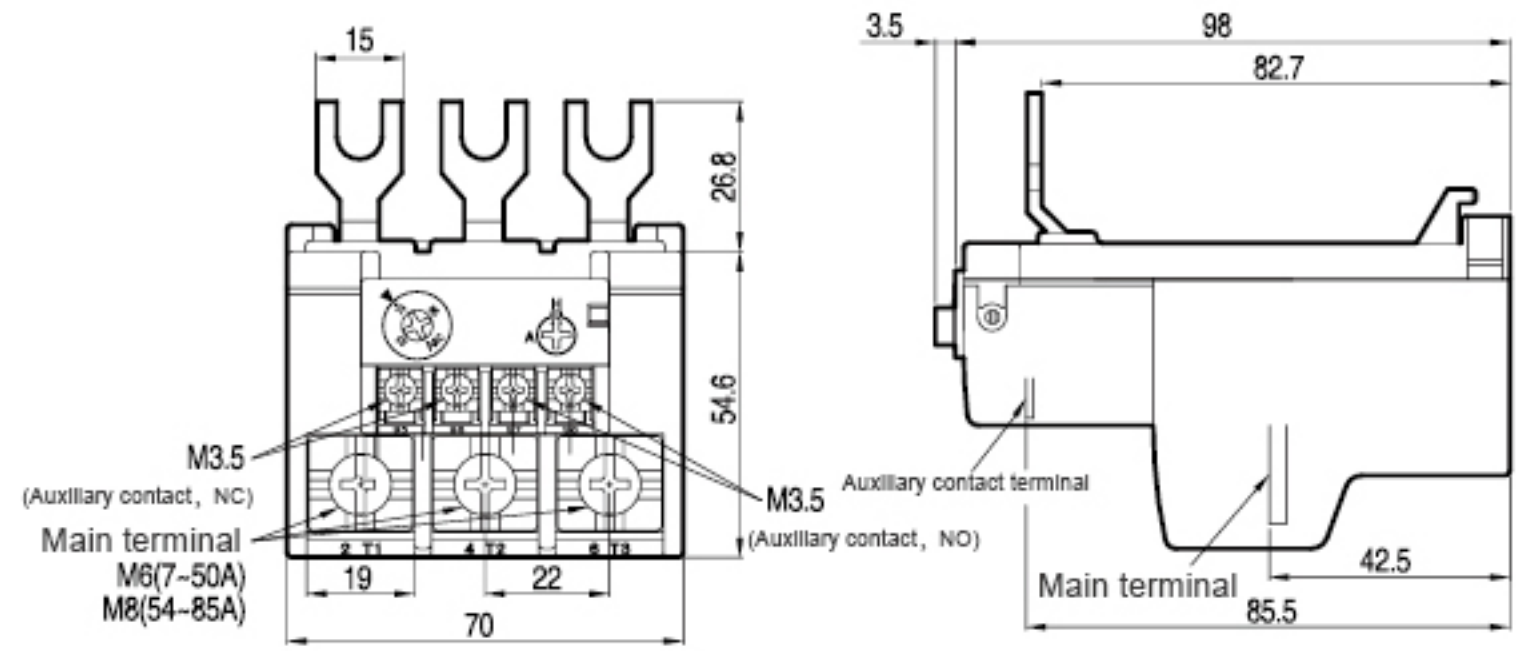


Circuit diagram

GTH-22/3, 40/3, 85/3
GTK-22, 40, 85



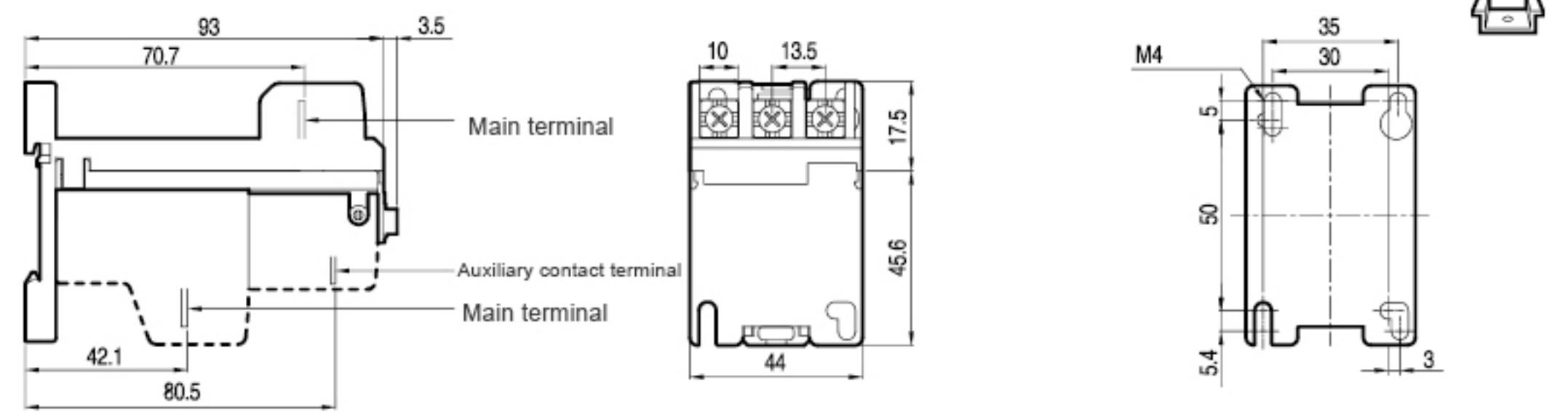
GTH-85
GTK-85
0.3kg



Independent installation unit

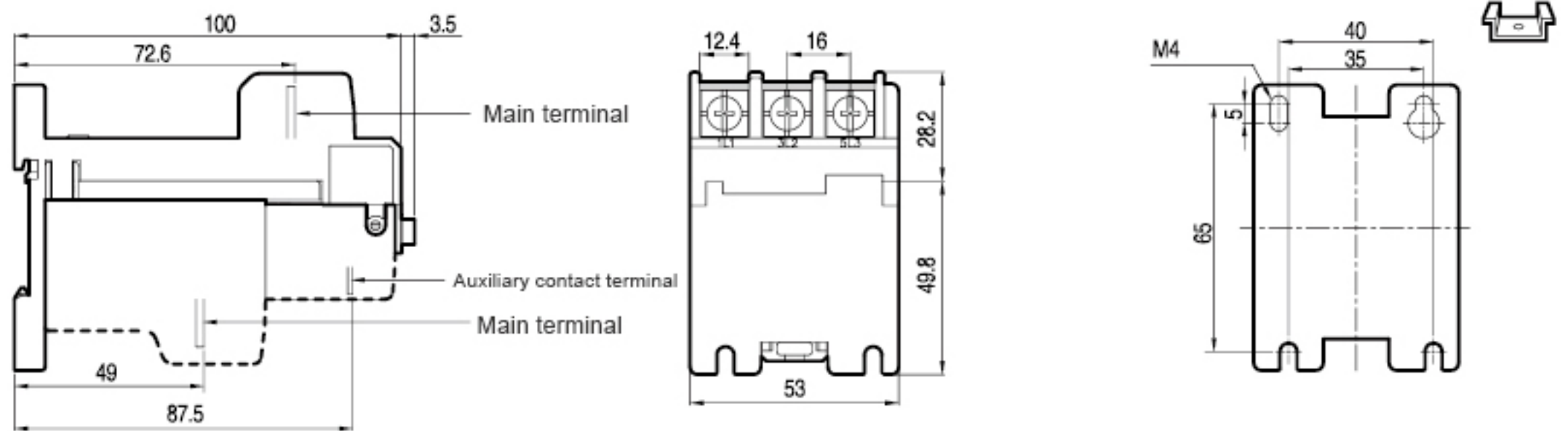
AZ-22H

Use in conjunction with
GTH(K)-22



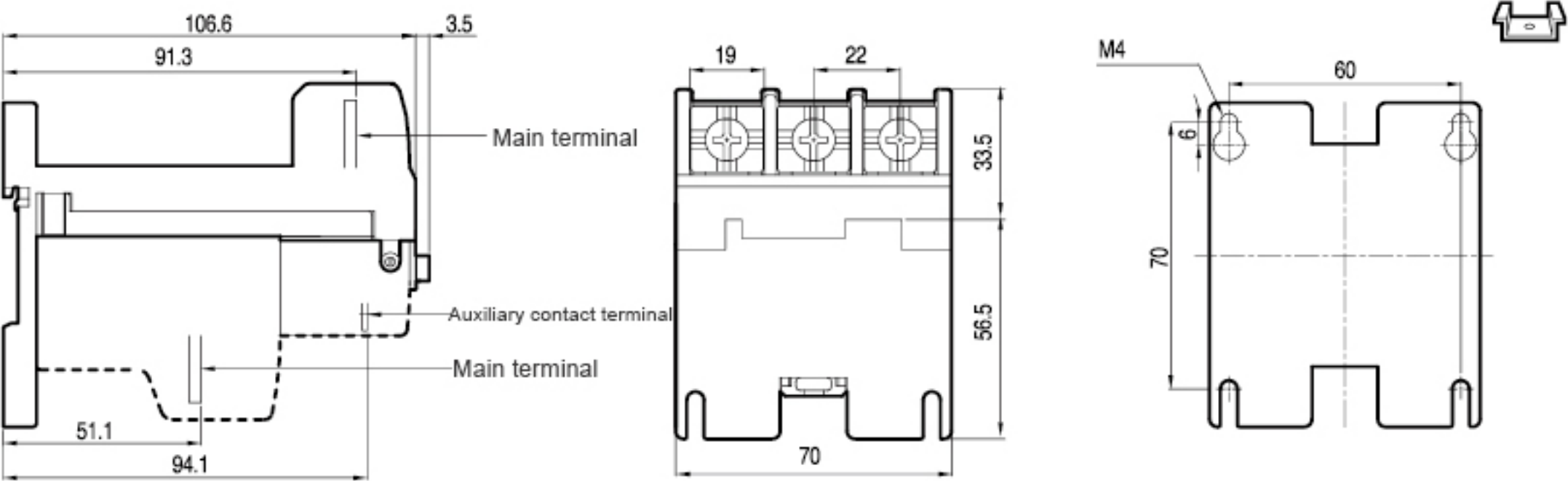
AZ-40H

Use in conjunction with
GTH(K)-40
72g



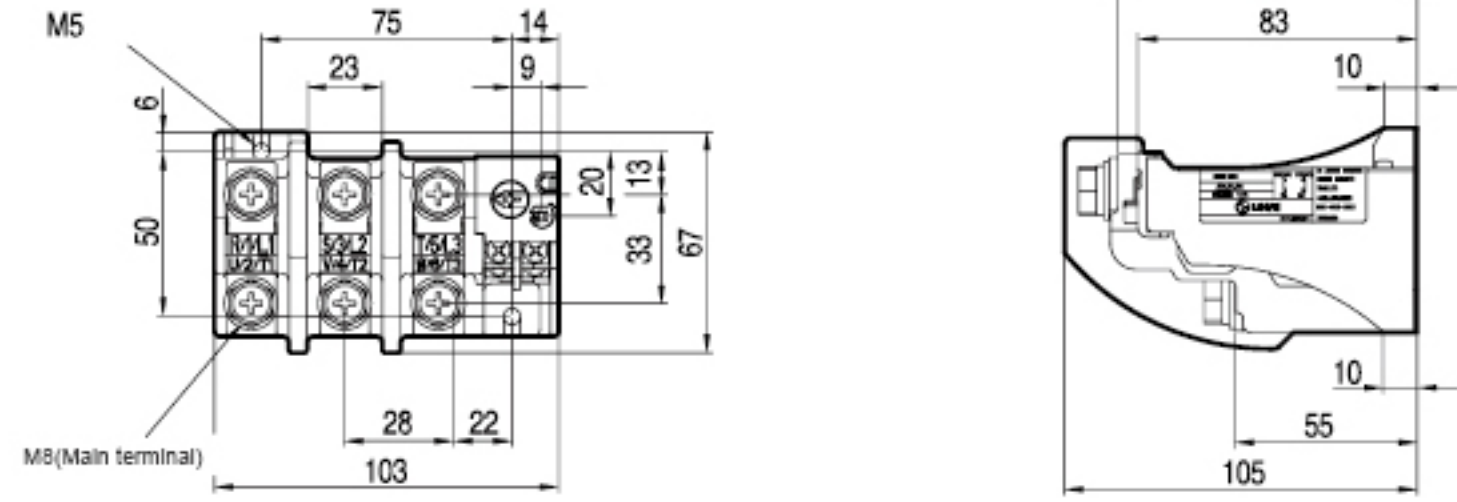
AZ-85H

Use in conjunction with
GTH(K)-85
144g



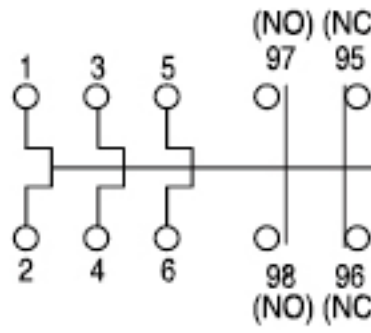
GTH-100

GTK-100



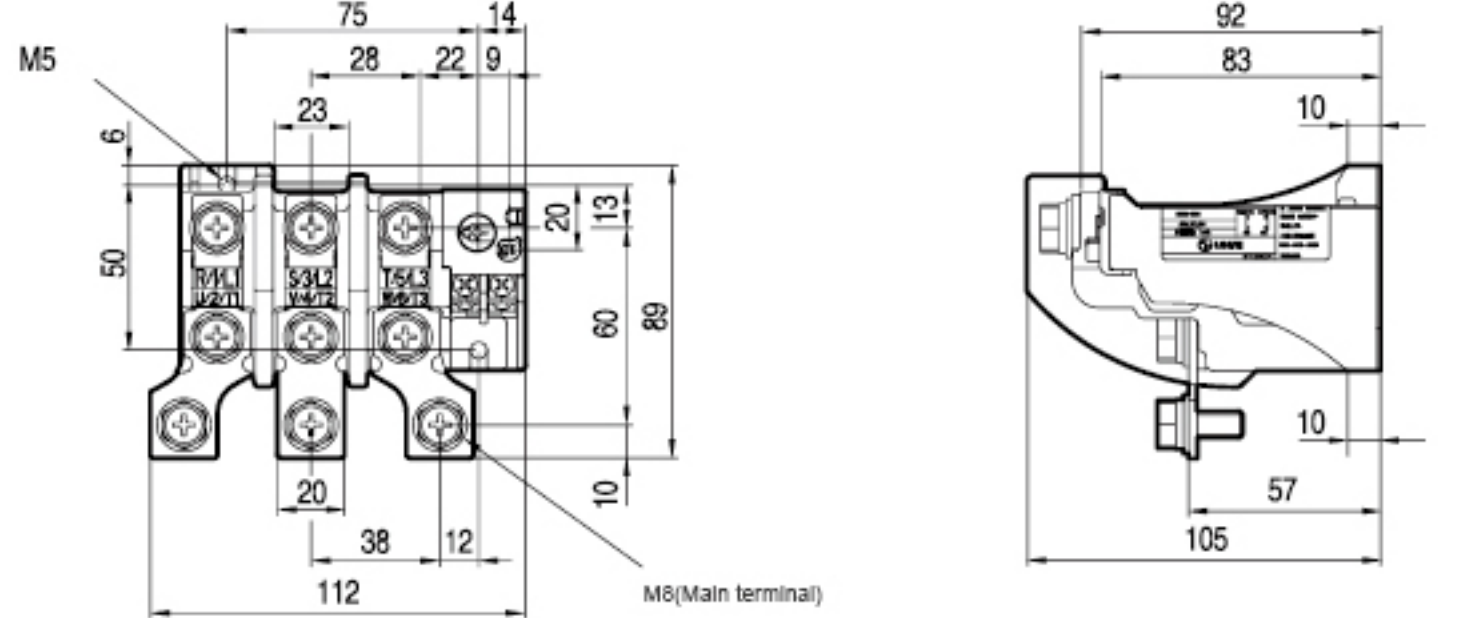
Circuit diagram

GTH-100/3, 150/3
GTK-100, 150



GTH-150

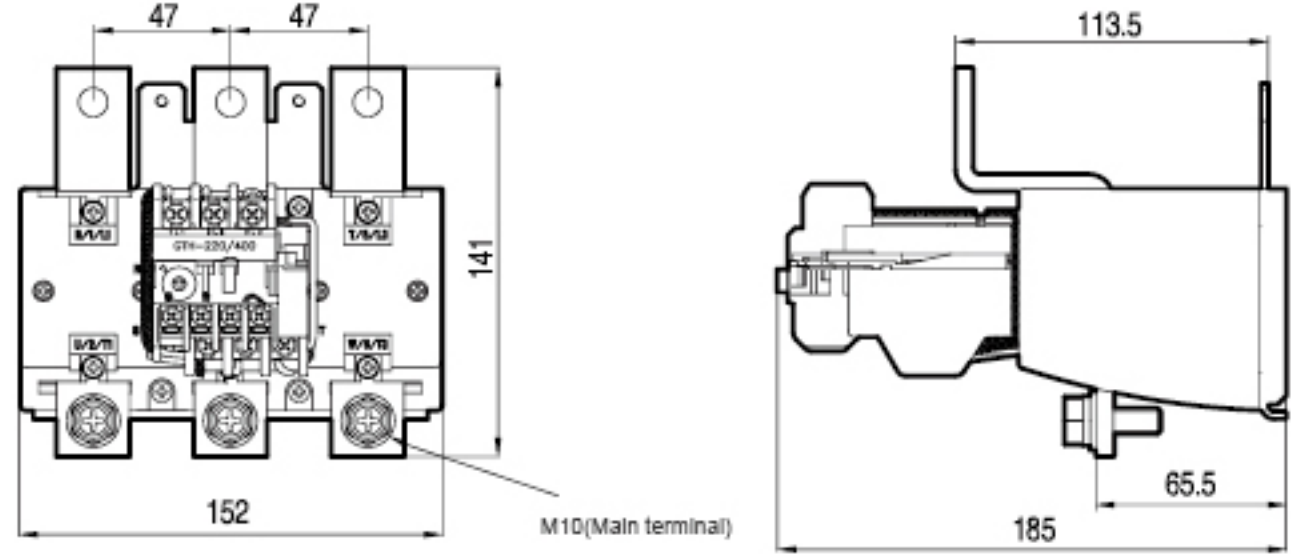
GTK-150



GTH-220

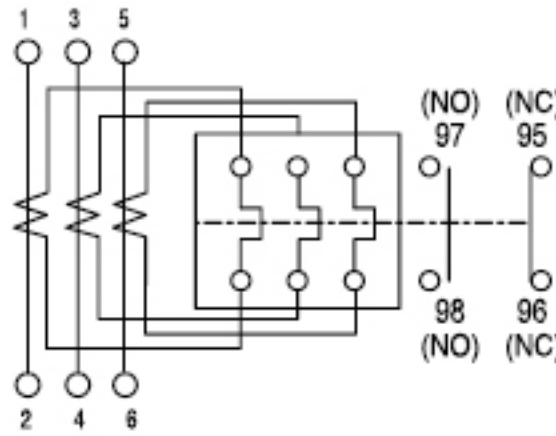
GTK-220

2.5kg



Circuit diagram

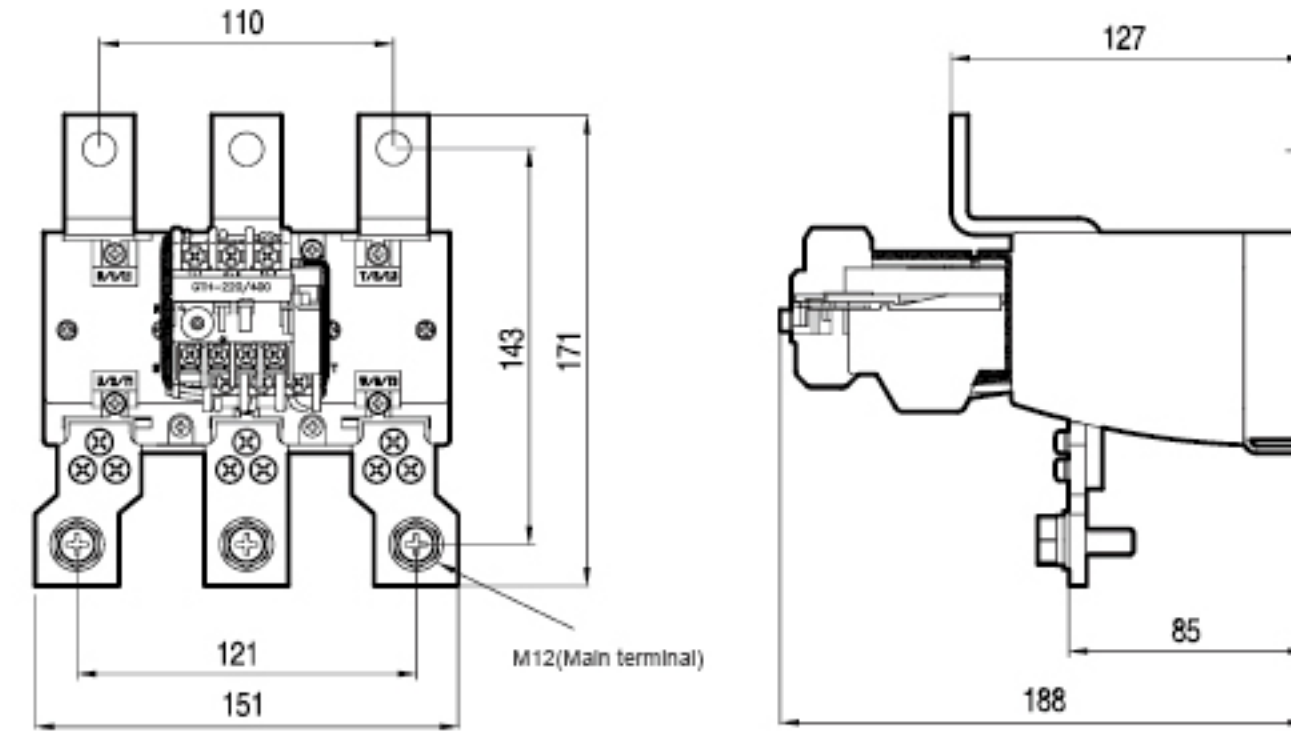
GTH-220/3, 400/3, 600/3
GTK-220, 400, 600



GTH-400

GTK-400

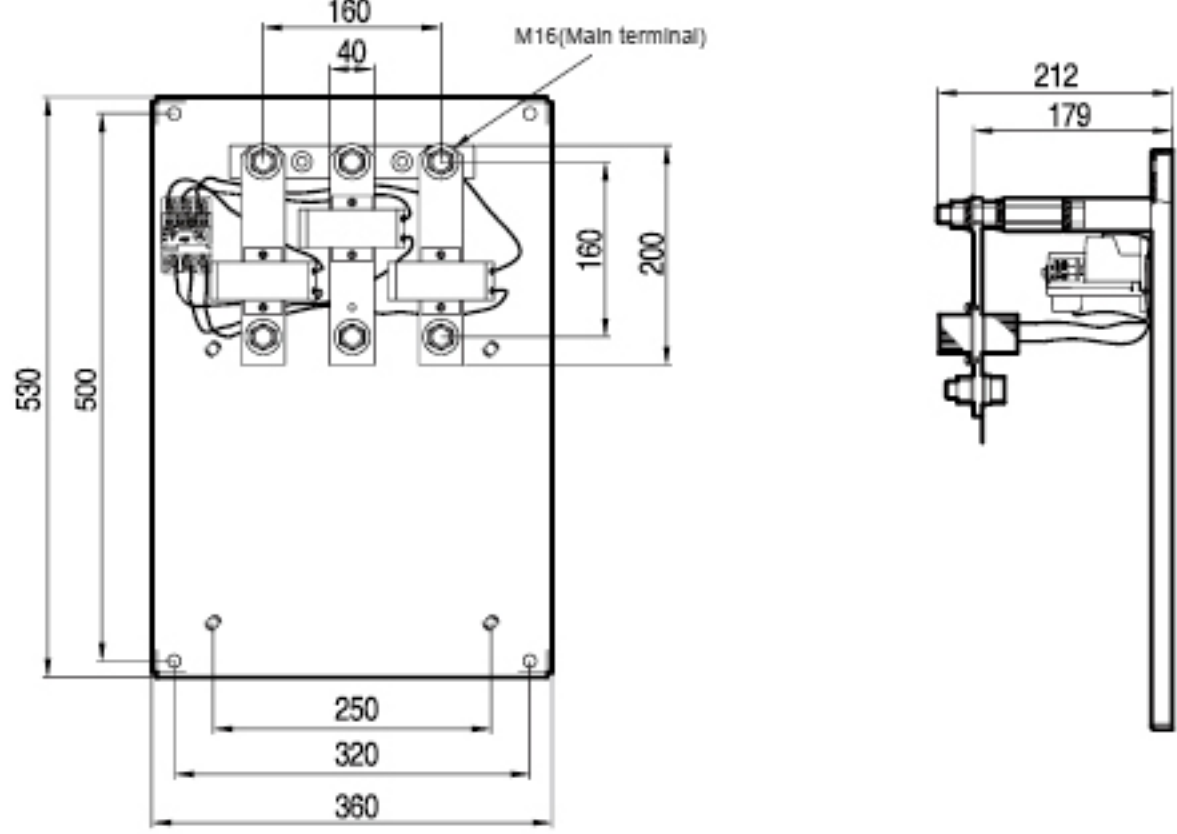
2.6kg



GTH-600

GTK-600

5.5kg



6.Order Note

Following items should be marked when ordering

Product name and model
Rated current
Setting current range
Quantity

Ordering sample

To order GTH thermal relay, rated current is 25A, setting current range is 18A, quantity is 1000 pieces, should be marked:
Thermal relay GTH-25/18 1000pcs