GEIS

RC

Moulded Case Circuit Breakers

GEIS Electrical Protection

Safer Smarter Greener

About GEIS

GEIS was established in 2019 following the spin-off of several businesses and assets that ABB had acquired from GE on July 1, 2018, including 3 manufacturing centers, Warehousing & Trading business at FTZ, China Technology Center.

- Components: Full range of circuit breakers up to 40.5kV: Medium voltage vacuum circuit breakers, LV circuit breakers: ACB, MCCB, MCB, RCD, RCBO: Control components.
- Equipment: MV switchgear (Air insulation and Gas Insulation Technology), LV switchgear, switchboard.
- Medium voltage distribution transformer.
- Medium voltage ATS system (Paralleling Switchgear).

After the separation, all the above product lines were rebranded as AEG for selected markets and GEIS for global markets. Moreover, GEIS has expanded its technological portfolio to include medium-voltage controls such as VFDs and soft starters, as well as ATS systems and EV chargers.

Quality is Built-in

Where Technology Meets Manufacturing Excellence for Customers

- Since 2000, we have been specializing in localizing world-class products and manufacturing technologies, developing strong expertise and a highly capable team.
- Vertical integrated Shanghai Manufacturing Center brought key manufacturing processes into a 75,000 m² facility, enabling high-quality, high-efficiency production and fostering innovation. A dedicated R&D team committed to developing products that meet global standards and serve diverse applications.
- Global expansion: GEIS's first Thailand facility makes it easier to serve customers worldwide.






GEIS deliver complete range of products for the evolving electrification needs:

SecoVac VCB

M-PACT Plus ACB

Elfa Series MCB/RCBO

SolidDrive MV VFD

SecoGear MV Switchgear

RMU Gas Insulated Switchgear

WaveCast Transformer

MLS LV Switchgear

Contents

RC Moulded Case Circuit Breakers

Scope of application

RC+ series molded case circuit breaker (hereinafter referred to as circuit breaker), its rated insulation voltage can be up to 1000V, suitable for AC 50/60Hz, rated working voltage of 400V, rated working current to 800A, circuit breaker can be used in switchboard, feeder cabinet, busway, equipment control panel, motor control car and other applicable occasions, in the distribution system to distribute electric energy, protect lines and power equipment from overload and short circuit fault damage, improve the reliability, safety and continuity of power supply.

Leading the needs of our customers

Rated operating current range10-800A

A full range of products, easy to select

Breaking capacity is optional

It is suitable for most application scenarios

Full range of lines, motors, leakage protection

Intelligent and reliable protection for the new era of the Interne

IEC/GB standards

Standardized design to support global

Features

Circuit breakers are divided into S type and N type according to the level of their rated limit short-circuit breaking capacity (Icu). The circuit breaker has the characteristics of small size, high breaking capacity, short arcing, and anti-vibration.

The circuit breaker has a beautiful appearance and reasonable layout, and can be installed vertically (i.e., vertically) or horizontally (i.e., horizontally).

The circuit breaker can be quickly installed with boxed accessories, responding to user requirements in a timely manner and requiring no adjustments.

The circuit breaker has an isolation function.

The circuit breaker complies with standards: IEC 60947-2, GB 14048.2

Normal working environment

Altitude: 2000m and below

Ambient temperature: -5°C~+40 °C

The relative humidity does not exceed 50% at ambient temperature +40 °C, and higher humidity can be higher at lower temperatures, such as 90% at 20 °C.

Resistant to the effects of humid air,alt spray, oil mist, and mold.

The installation category of the circuit breaker connected to the main circuit is III, and the installation category of the circuit breaker not connected to the main circuit is II.

The pollution level is level 3

In a medium that is not hazardous for explosion and there is no place for the medium to corrode the metal and destroy the insulating gas and conductive dust.

In places where there is no rain or snow, the user should consult with the manufacturer when the conditions of use are more severe than the above.

Selection guide

Thermomagnetic MCCB，Frame 160/250/400/630

GB
Product series
RC series GB MCCB

250	
Frame current	
160	Frame 160A
250	Frame 250A
400	Frame 400A
630	Frame 630A

S	
Breaking capacity	
S	Icu=35kA
N	Icu=50kA

3	
Poles	
3	3P
4	4P

TM	
Trip unit type	
TM	Thermal magnetic line protection
MC	Only magnetic motor protection

250	
Rated current	
010	10A
...	... ...
250	250A
...	... ...
630	630A

Thermomagnetic MCCB， Frame 800

GB
Product series
RC series GB MCCB

800	
Frame current	
800	Frame 800A

S	
Breaking capacity	
S	Icu=35kA
N	Icu=65kA

3	
Poles	
3	3P
4	4P

TM	
Trip unit type	
TM	Thermal magnetic line protection
MC	Only magnetic motor protection

630	
Rated current	
630	630A
700	700A
800	800A

Selection example:

Functional requirements: line thermomagnetic protection, breaking 50kA, rated current 200A, 3 poles;

The Product number is GB250N3TM200

Electronic MCCB，Frame 125/250/400/630/800

GB
Product series
RC series GB MCCB

250	
Frame current	
125	Frame 125A
250	Frame 250A
400	Frame 400A
630	Frame 630A
800	Frame 800A

N	
Breaking capacity	
N	Icu=50kA

3	
Poles	
3	3P
4	4P

ET	
Trip unit type	
ET	Electronic line protection

250	
Rated current	
032	32A
...	... ...
250	250A
...	... ...
800	800A

Selection example:

Functional requirements: electronic line protection, breaking 50kA, rated current 250A, 3 poles;

The product number is GB250N3ET250

Brief model description of commonly used accessory

Auxiliary contact: FAS
Alarm contact: BAM
Auxiliary + Alarm Contact: FASBAM
Shunt Release: SHT
Undervoltage: UVR

Selection guide

Residual current protected circuit breaker，Frame 100/250/400/800

GE
Product series
RC series GB MCCB

100	
Frame current	
100	Frame 100A
250	Frame 250A
400	Frame 400A
800	Frame 800A

N	
Breaking capacity	
N	Icu=50kA

3	
Poles	
3	3P
4	4P

TM	
Trip unit type	
TM	Thermal magnetic line protection

100	
Rated current	
016	16A
...	... ...
100	100A
...	... ...
700	700A

U	
Residual current protected	
U	0.03A, 0.1A, 0.3A, 0.5A Non-delayed
X	0.1A, 0.3A, 0.5A The delay time is adjustable
B	1A, 3A, 10A The delay time is adjustable

Note: Residual current type U, X, B are AC type residual current protection, and the leakage current is adjustable.
The U-type is a non-delayed type,
Type X and B are time-delay types,
and the delay time is adjustable

Selection example:
Functional requirements: thermomagnetic line protection, breaking 50kA, rated current 100A, 4 poles, non-delay residual current U-type;
The product number is GE100N4TM100U

Brief model description of commonly used accessory

Auxiliary contact: FAS
Alarm contact: BAM
Auxiliary + Alarm Contact: FASBAM
Shunt Release: SHT
Undervoltage: UVR

Technical data

Thermomagnetic MCCB Technical data





Frame			GB160		GB250		GB400		GB630		GB800	
Poles			3P,4P		3P,4P		3P,4P		3P,4P		3P,4P	
Rated insulation voltage Ui		V	1000		1000		1000		1000		1000	
Rated impulse withstand voltage Uimp		kV	8		8		8		8		8	
Rated voltage AC		V	400		400		400		400		400	
Category of use			A		A		A		A		A	
Use as a isolator	ON-OFF indicate		YES		YES		YES		YES		YES	
Conventional thermal current Ith		A	160		250		400		630		800	
Rated current		A	10-160		100-250		250-400		500-630		630-800	
Breaking code			S	N	S	N	S	N	S	N	S	N
Ultimate short circuit breaking capacity	AC400V Icu	kA	35	50	35	50	35	50	35	50	35	65
Operation short-circuit breaking capability	AC400V Ics	kA	26	50	26	50	35	50	35	50	35	65
Trip Unit												
Thermomagnetic line protection		TM	□		□		□		□		□	
Only magnetic motor protection		MC	□		□		□		□		□	
Endurance												
Mechanical life		times	20000		20000		20000		20000		10000	
Electrical life		times	8000		8000		7500		7500		7500	
Internal accessories function												
auxiliary contact			□		□		□		□		□	
alarming contact			□		□		□		□		□	
shunt release			□		□		□		□		□	
Mounting												
Fixed			■		■		■		■		■	
Plug-in			□		□		□		□		□	
Draw-out			-		-		□		□		□	
Dimensions WxHxD	3P	mm	90x155x72		105x165x72		140x257x103		140x257x103		210x275x103	
	4P	mm	120x155x72		140x165x72		185x257x103		185x257x103		280x275x103	
Standard			GB14048.2/IEC60947-2									

■ standard configuration □ optional configuration - No function

1) The circuit breaker only allows upper incoming and bottom outgoing, does not allow the reverse wiring; For special wiring, please contact 400-820-5234

2) Phase separation boards are standard

Technical data

Electronic MCCB Technical data



Frame			GB125	GB250	GB400	GB630	GB800
Poles			3P,4P	3P,4P	3P,4P	3P,4P	3P,4P
Rated insulation voltage Ui		V	1000	1000	1000	1000	1000
Rated impulse withstand voltage Uimp		kV	8	8	8	8	8
Rated voltage AC		V	400	400	400	400	400
Category of use			A	A	B	B	B
Use as a isolator	ON-OFF indicate		YES	YES	YES	YES	YES
Conventional thermal current Ith		A	125	250	400	630	800
Rated current		A	32-125	160-250	400	630	800
Breaking code			N	N	N	N	N
Ultimate short circuit breaking capacity Icu	AC400V	kA	50	50	50	50	50
Operation short-circuit breaking capability Ics	AC400V	kA	50	50	50	50	50
Trip Unit							
Electronic line protection		ET	□	□	□	□	□
Endurance							
Mechanical life		times	20000	20000	20000	20000	10000
Electrical life		times	8000	8000	7500	7500	7500
Internal accessories function							
auxiliary contact			□	□	□	□	□
alarming contact			□	□	□	□	□
shunt release			□	□	□	□	□
Mounting							
Fixed			■	■	■	■	■
Plug-in			□	□	□	□	□
Draw-out			-	-	□	□	□
Dimensions WxHxD	3P	mm	90x155x97	105x165x105	140x257x103	140x257x103	210x275x103
	4P	mm	120x155x97	140x165x105	185x257x103	185x257x103	280x275x103
Standard			GB14048.2/IEC60947-2				

■ standard configuration □ optional configuration - No function

1) The circuit breaker only allows upper incoming and bottom outgoing, does not allow the reverse wiring; For special wiring, please contact 400-820-5234

2) Phase separation boards are standard

Technical data

Residual current protected Technical data

Frame			GE100	GE250	GE400	GE800
Poles			3P,4P	3P,4P	3P,4P	3P,4P
Rated insulation voltage Ui		V	1000	1000	1000	1000
Rated impulse withstand voltage Uimp		kV	8	8	8	8
Rated voltage AC		V	400	400	400	400
Category of use			A	A	A	A
Use as a isolator	ON-OFF indicate		YES	YES	YES	YES
Conventional thermal current Ith		A	100	250	400	800
Rated current		A	16-100	100-250	250-400	500-700
Breaking code			N	N	N	N
Ultimate short circuit breaking capacity Icu	AC400V	kA	50	50	50	50
Operation short-circuit breaking capability Ics	AC400V	kA	50	50	50	50
Trip Unit						
Thermomagnetic line protection		TM	■	■	■	■
Residual current protected type						
			U, X, B	U, X, B	U, X, B	U, X, B
Endurance						
Mechanical life		times	20000	20000	10000	10000
Electrical life		times	8000	8000	7500	7500
Internal accessories function						
auxiliary contact			□	□	□	□
alarming contact			□	□	□	□
shunt release			□	□	□	□
Mounting						
Fixed			■	■	■	■
Plug-in			□	□	□	□
Draw-out			-	-	□	□
Dimensions WxHxD	3P	mm	90x155x97	105x165x105	140x257x103	210x275x103
	4P	mm	120x155x97	140x165x105	185x257x103	280x275x103
Standard			GB14048.2/IEC60947-2			

■ standard configuration □ optional configuration - No function

1) The circuit breaker only allows upper incoming and bottom outgoing, does not allow the reverse wiring; For special wiring, please contact 400-820-5234

2) Phase separation boards are standard

Trip units

Thermal Magnetic Line Protection TM

The thermal magnetic line protection trip unit uses a thermal magnetic trip device to provide overload (thermal) protection and short circuit (magnetic) protection. The thermal protection device is usually calibrated at an ambient temperature of 40 °C.

Thermal protection action value I^2t:
-In≤63A, 1.05In, non-tripping in 1h; 1.3In, tripping in 1h
-In>63A, 1.05In, non-tripping in 2h; 1.3In, tripping in 2h
Magnetic Protection Action Value: 10In±20%

Note: 10～32A instantaneous action current is 400A±20%

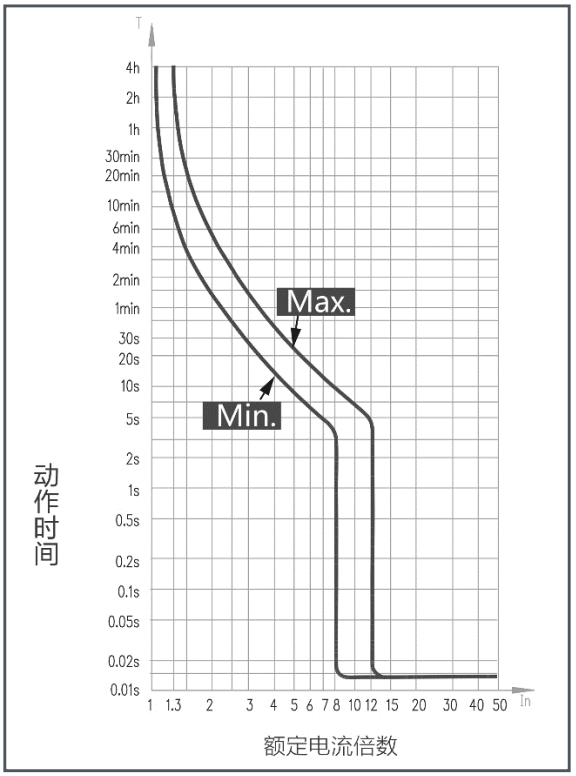
Only magnetic motor protection MC

Circuit breakers can also provide only magnetic motor protection for circuits such as motor loads and fire protection。

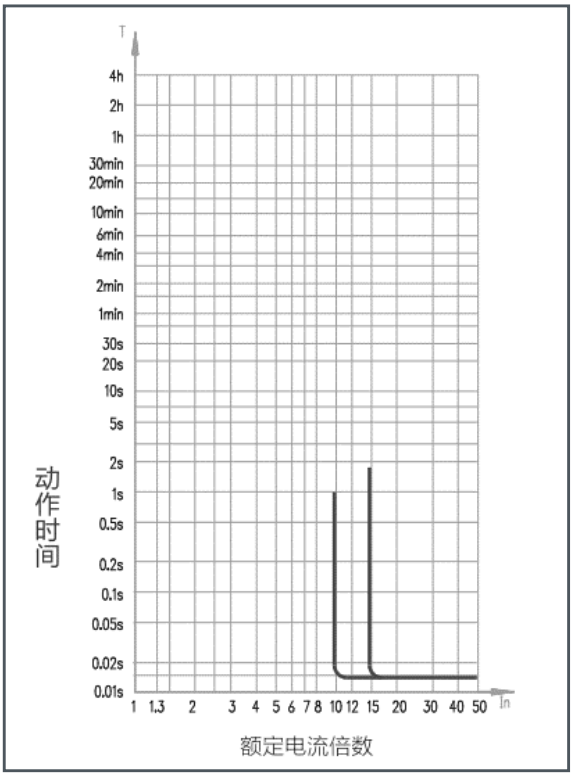
Magnetic Protection Action Value: 12In±20%

Note: 10～32A instantaneous action current is 400A±20%

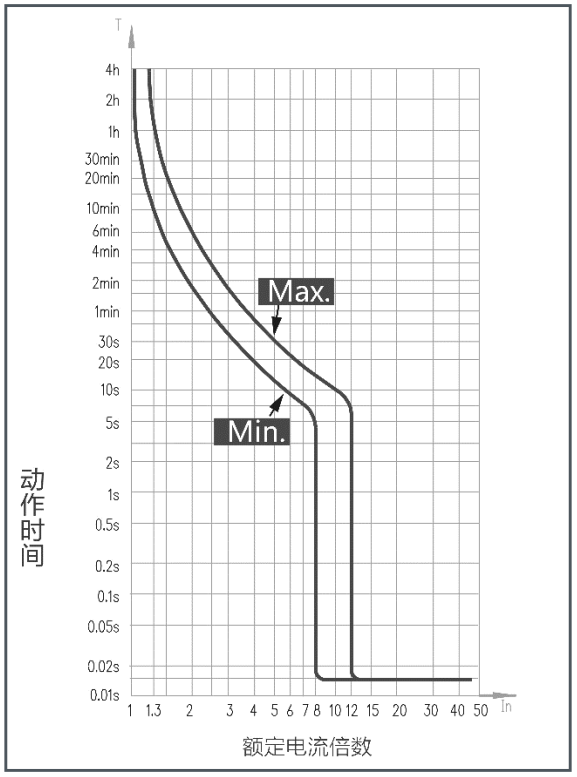
GB160 Time-Current Curves, TM



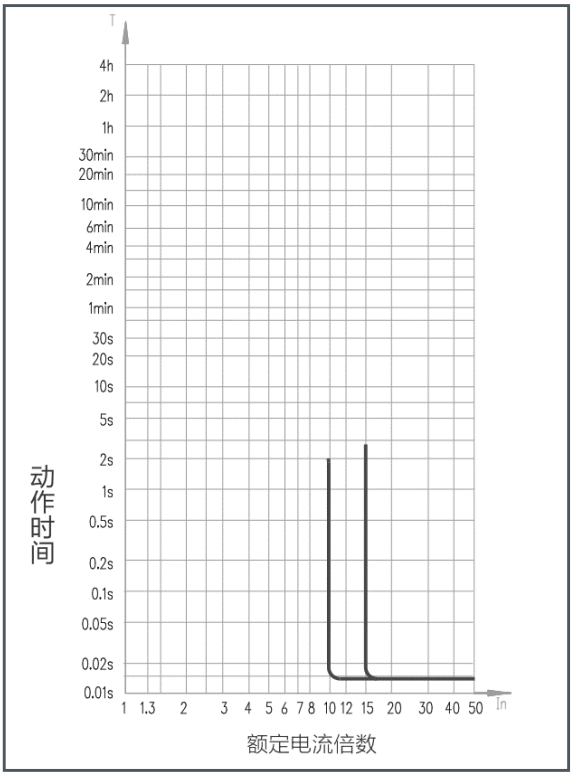
GB160 Time-Current Curves, MC



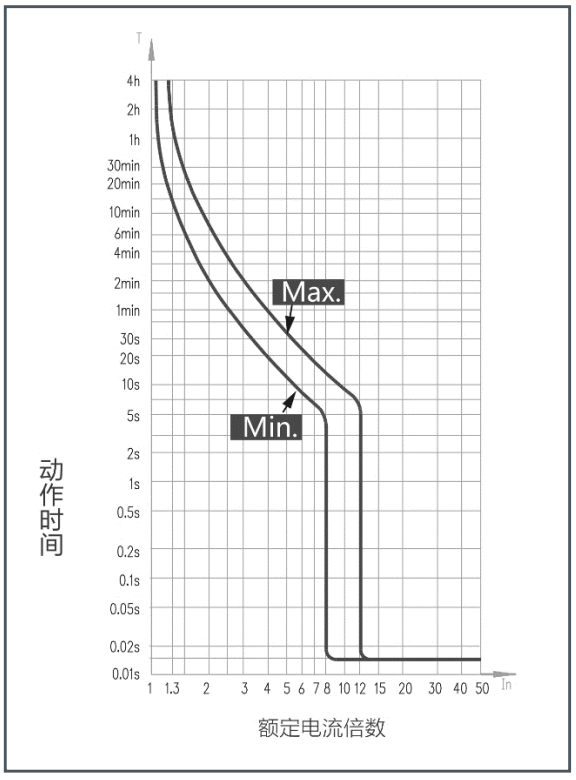
GB/GE250 Time-Current Curves, TM



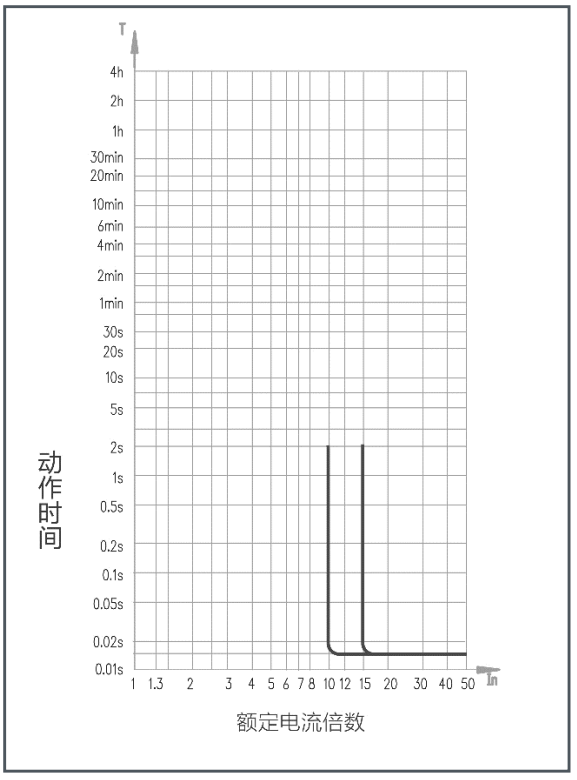
GB250 Time-Current Curves, MC



GB/GE400 Time-Current Curves, TM

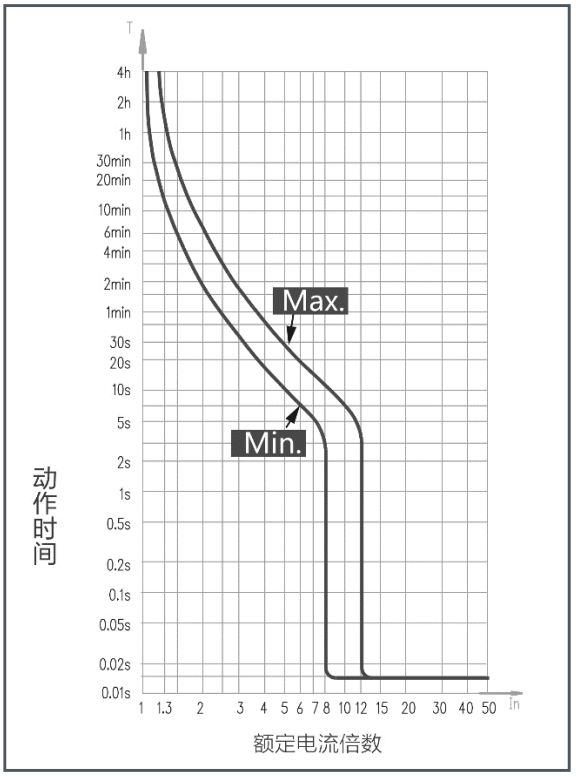


GB400 Time-Current Curves, MC

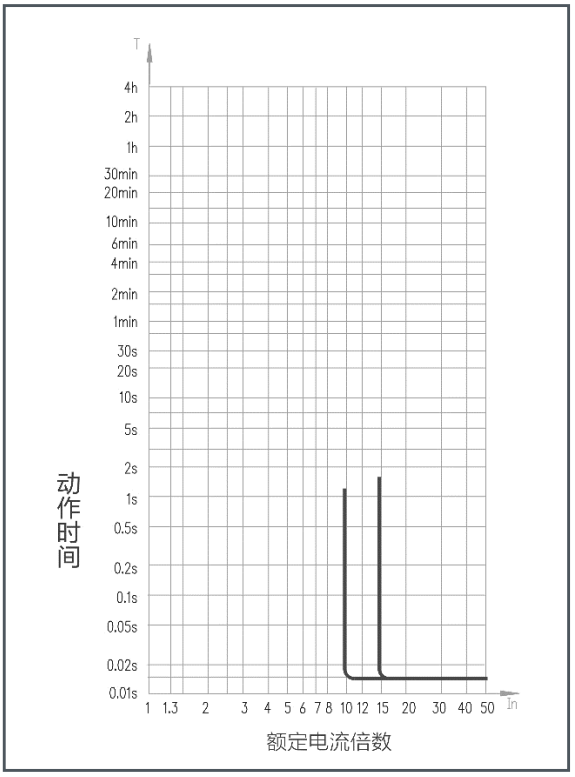


Trip units

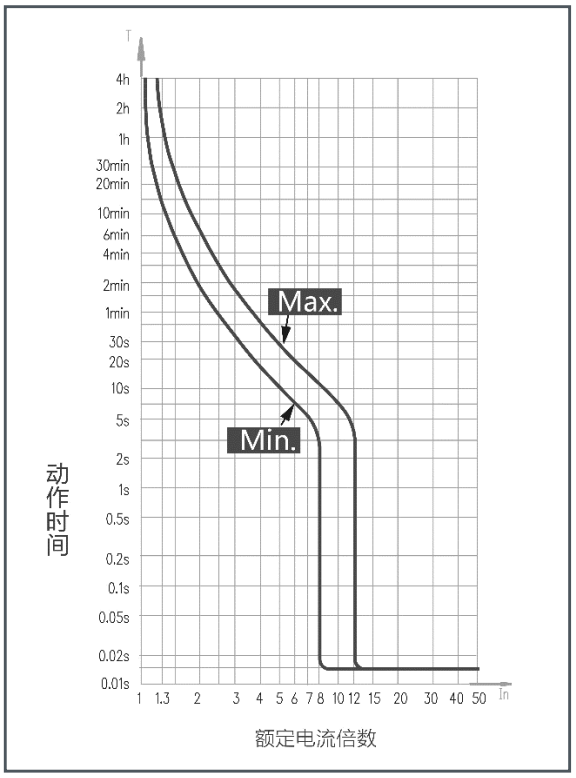
GB630 Time-Current Curves, TM



GB630 Time-Current Curves, MC

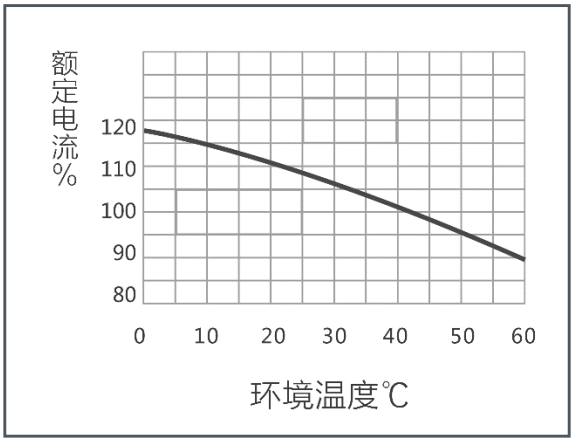


GB/GE800 Time-Current Curves, TM

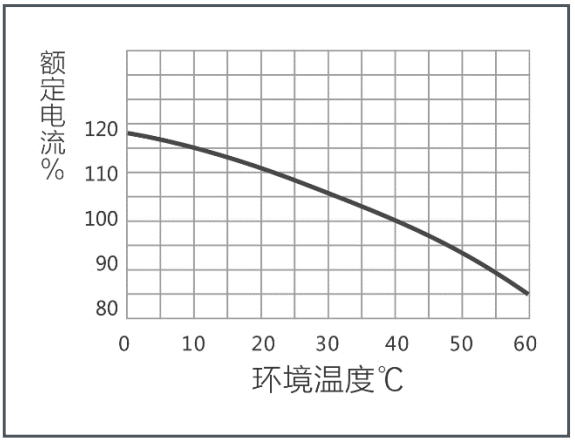


Trip units

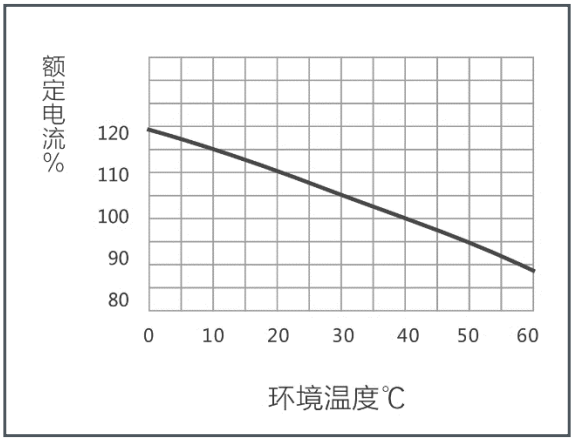
GB160 TM
temperature compensation curve



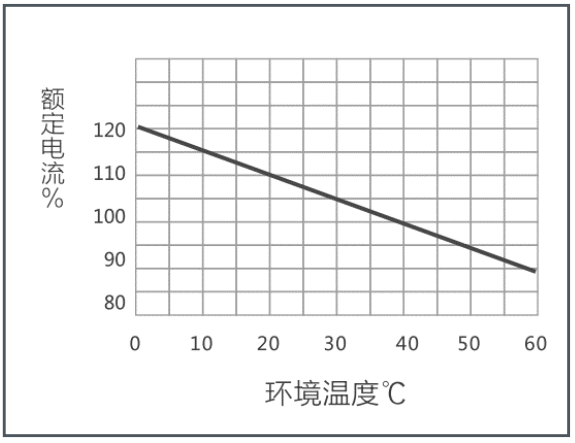
GB250 TM
temperature compensation curve



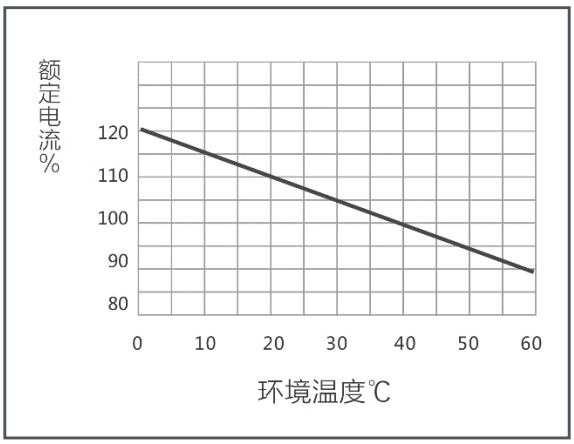
GB400 TM
temperature compensation curve



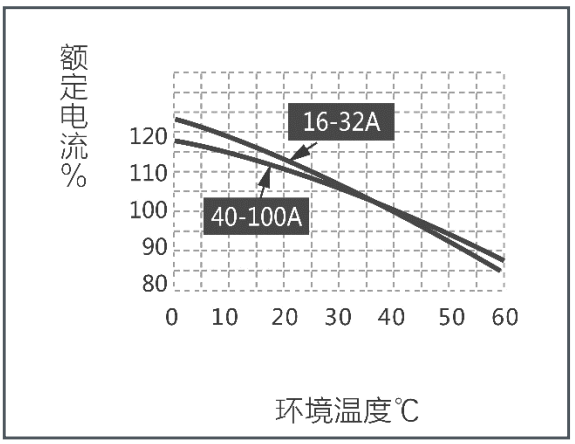
GB630 TM
temperature compensation curve



GB800 TM
temperature compensation curve



GE100 TM
temperature compensation curve

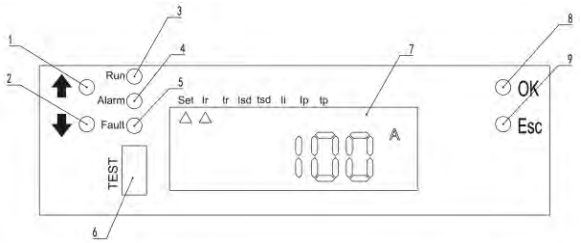


Electronic Trip units

Electronic trip unit, with high precision transformer sampling electrical parameters, Transfer to an intelligent microprocessor unit, via electronic computing, Control the protection error to a lower extent. Improved protection accuracy, allowing users to easily set protection action values on site. Through the setting of parameters to achieve selective protection, circuit breakers provide overload, short circuit protection.

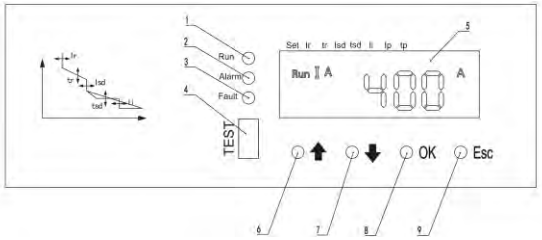
The configured LCD smart electronic unit provides high reliability protection while also monitoring and displaying the power parameters of the circuit.
The intuitive human-computer interaction panel designs different LEDs to indicate the real-time operating status of the circuit breaker. Through the LCD section can query parameter setting, fault query, alarm status and other functions.

GB125, GB250 Electronic Trip units



1) "Up" adjustment button;
2) "Down" adjustment button
3) Running LED (green): normal operation constant light, the controller abnormal shining, the controller does not work when not lit;
4) Alarm light (yellow): the current does not light normally, when the current reaches Ip, the current reaches 100% IR constant light;
5)Fault indicator (yellow): Overload fault always bright, ground fault when shiny;
6) Test interface: connection with the special tester can be tested and debugging operation, at the same time can be connected with the PC to achieve online programming debugging operation;
7) LCD: reset status (power on default state), parameter setting state, fault display status, fault query status, alarm status;
8) "OK" confirmation button;
9)"ESC" return button;

GB400, GB630, GB800 Electronic Trip units



1) running LED (green): normal operation constant light, the controller abnormal shining, the controller does not work when not lit;
2) alarm light (yellow): the current is not bright normally, when the current reaches Ip, the current reaches 100% IR constant light;
3) fault LED (yellow): overload fault always bright, ground fault when shiny;
4) test interface: with the special tester connection can be tested and debugging operation, at the same time can be connected with the PC to achieve online programming debugging operation;
5) LCD: reset status (power default state), parameter setting state,fault display status, fault query status, alarm status;
6) "Up" adjustment button;
7) "Down" adjustment button;
8) "OK" confirmation button;
9) "ESC" return button;

Electronic trip units, ET, Protection features

Overload long-time protection, Inverse time action

Current setting	Ir	Ir=0.4-1In, OFF, step 1A
Time setting	6Ir ,time setting, tr (s)	3s-18s, Minimum step 1s

Note: The action time conforms to $I^2T=(6Ir)^2tr$, and the action time error is ± 10%;
Overload pre alarm setting current Ip=0.9Ir, alarm between 0.9-1.1Ip

Short circuit delay protection

Current setting	Isd	Isd=2-10Ir, OFF, step 1A
I^2T, OFF	1.3Isd, Fixed time	0.05s-1s, Minimum step 0.05s
I^2T, ON	Isd<I≤8Ir, Inverse time	$I^2T=(8Ir)^2tr$

Note: I^2T, OFF - Short circuit delay protection at fixed time
I^2T, ON - Short circuit delay protection at inverse time

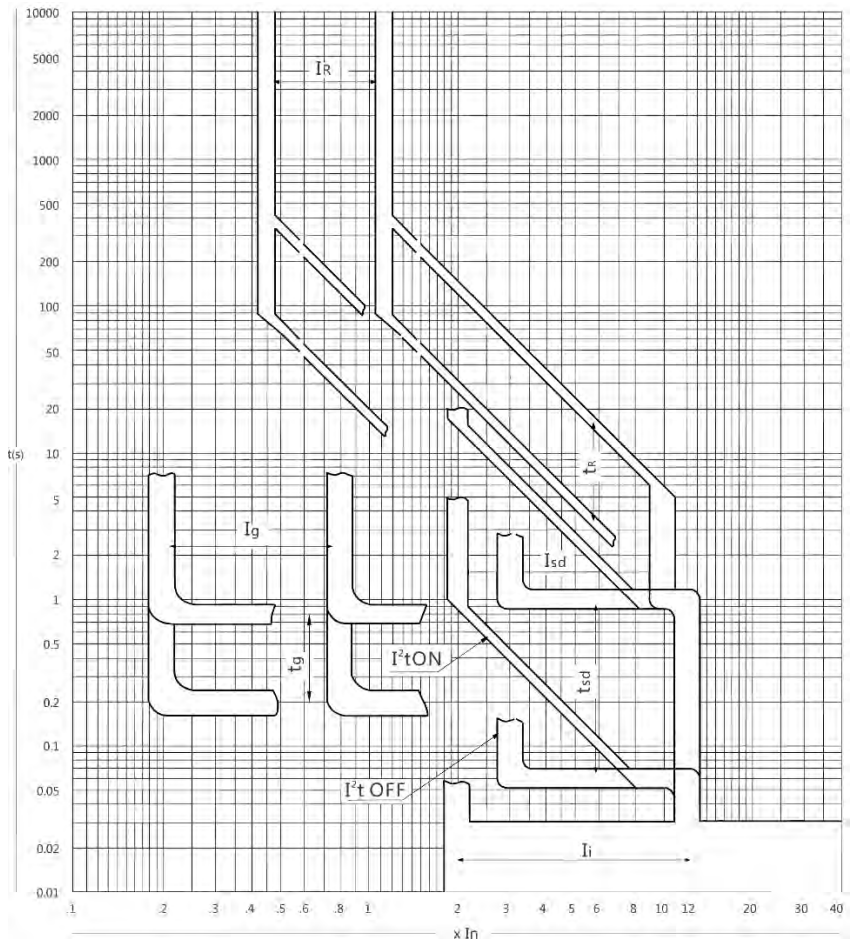
Short circuit instantaneous protection

Current setting	Ii	Ii=2-12In, OFF, step 1A
Action features		I≤0.85Ii, Inaction
		I≥1.15Ii, Action

Ground protection

Current setting	Ig	Ig=0.2-1In, OFF, step 1A
Delay Time		0.1-0.8s, step 0.1s
Action features		At 0.5-1Ig

Electronic trip units Time-current curve



Residual current protection

The circuit breaker can also provide a composite protection unit with thermal magnetic and residual current functions, forming an integrated compact molded case circuit breaker with residual current protection. Using a thermal magnetic release device to provide overload (thermal) protection and short circuit (magnetic) protection, the thermal protection device is typically calibrated at an ambient temperature of 40 °C; Use intelligent electronic units to provide residual current protection.

Thermal protection action value I^2t:

-In≤63A, 1.05In, non-tripping in 1h; 1.3In, tripping in 1h

-In>63A, 1.05In, non-tripping in 2h; 1.3In, tripping in 2h

Magnetic Protection Action Value: 10In±20%

Note: 10～32A instantaneous action current is 400A±20%

Provide U, X, B, 3 kinds of residual current action:

Residual current type	I△n range	Delay action type	Applicable Frame
U	0.03A, 0.1A, 0.3A, 0.5A	Instantaneous action	GE100/250/400/800
X	0.1A, 0.3A, 0.5A	Delay time adjustable	GE100/250/400/800
B	1A, 3A, 10A	Delay time adjustable	GE100/250/400/800

Rated residual non-action current I△no, : 50% I△no

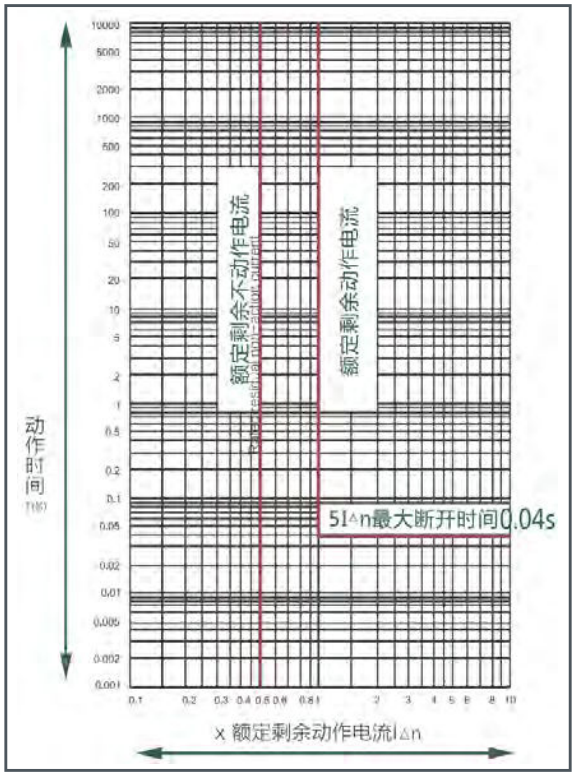
Rated residual short-circuit making (breaking) capacity I△m, : 25%Icn

Residual current action characteristics:

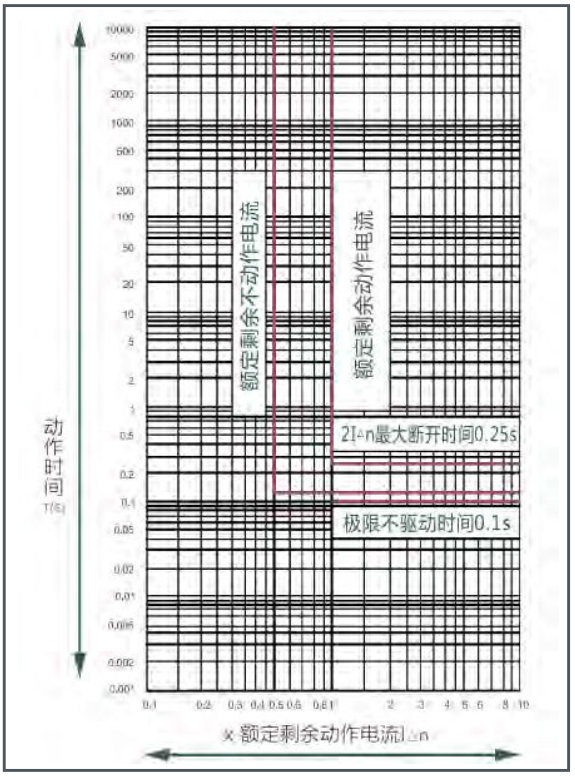
Residual current type		1x I△n	2x I△n	3x I△n	4x I△n
Instantaneous action	action time, s	≤0.2	≤0.1	≤0.04	≤0.04
Delay time adjustable	action time, s	≤ 0.25, 0.9, 1.9			
	Maximum non action time △t, s	0.1, 0.5, 1			

Trip units

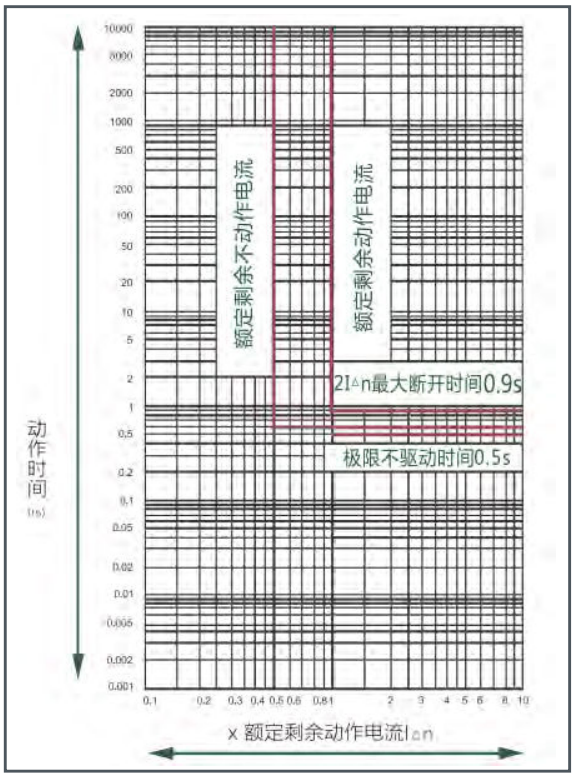
I △n=0.03/0.1/0.3/0.5/1/3/10(A)
Instantaneous residual current protection time-current characteristic curve



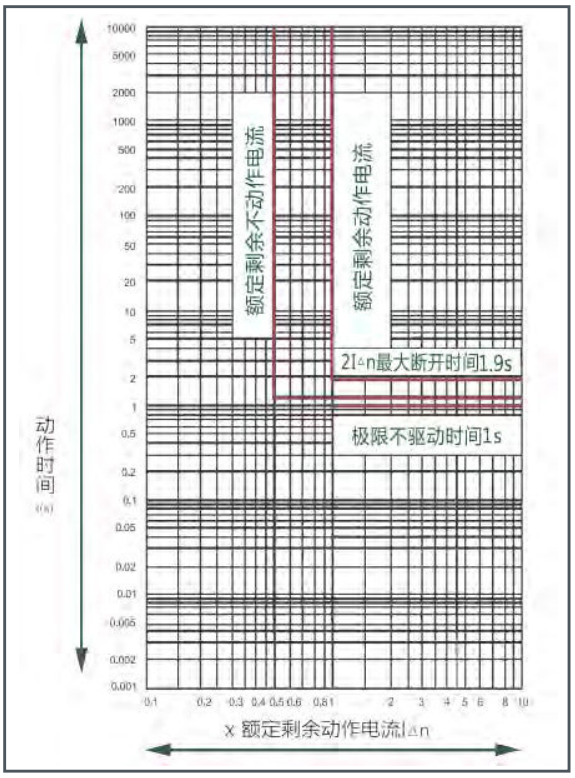
I △n=0.1/0.3/0.5/1/3/10(A)
Delay 0.25s， residual current protection time-current characteristic curve



I △n=0.1/0.3/0.5/1/3/10(A)
Delay 0.9s， residual current protection time-current characteristic curve



I △n=0.1/0.3/0.5/1/3/10(A)
Delay 1.9s， residual current protection time-current characteristic curve

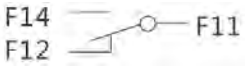
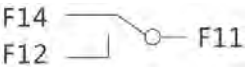


Accessories

Auxiliary Contact

The auxiliary contact module can be easily fixed to an auxiliary device compartment, and removing the circuit breaker cover can access the compartment. This complete compartment has multiple boxes, most of which are reserved for auxiliary contacts.

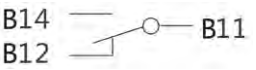
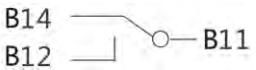
Terminal with wire, default wire length 50cm.

Auxiliary Contact	
MCCB at open, free tripping position	
MCCB at close position	

Alarm Contact

When the circuit breaker is opened and closed normally, the contacts do not move. Only after free tripping (or fault tripping), the contact state will change, that is, normally open becomes normally closed, and normally closed becomes normally open. After the circuit breaker is closed again, the contacts return to their original position.

Terminal with wire, default wire length 50cm.

Alarm Contact	
MCCB at open, close position	
MCCB at free tripping position	

Note: 1. The corresponding number for the second group of auxiliary contacts is 21, 22, 24
2. Can provide auxiliary and alarm contact combinations, 1NO+1NC is used for auxiliary contacts, 1NO+1NC is used for alarm contacts

Auxiliary, alarm contact working current

Frame	Conventional thermal current (A)	Rated current	
		AC400V	DC220V
GB125/160/250, GE100/GE250	1	0.3	0.15
GB400/630/800, GE400/GE800	3	0.4	0.15

Under normal conditions, the ability to making and breaking of auxiliary contacts

Usage category									times	operating frequency
	I/Ie	U/Ue	cosØ	T0.95	I/Ie	U/Ue	cosØ	T0.95		times/min
AC-14	6	1	0.3		1	1	0.3		6050	6
DC-13	1	1		6xPe	1	1		6xPe	6050	6

Under abnormal conditions, the ability to making and breaking of auxiliary contacts

Usage category									times	operating frequency	power on time
	I/Ie	U/Ue	cosØ	T0.95	I/Ie	U/Ue	cosØ	T0.95		times/min	
AC-14	6	1.1	0.7		6	1.1	0.7		10	6	≥0.05
DC-13	1.1	1.1		6xPe	1.1	1.1		6xPe	10	6	≥0.05

Note: When the number of circuit breaker operations is less than 6050 times, the number of auxiliary contact operations is the same as that of the circuit breaker. When Pe ≥ 50W, T0.95 upper limit ≈ 6Pe ≤ 300ms

Shunt release

When the circuit breaker is in the "ON" position and the shunt release coil is triggered, the circuit breaker will trip and open. K is a micro switch connected in series with the coil inside the shunt release. When the circuit breaker is in the closed state, the contact of the micro switch is in the closed state, and when the circuit breaker is in the open or tripped state, the contact is in the disconnected state. The SB operation button needs to be provided by the user.

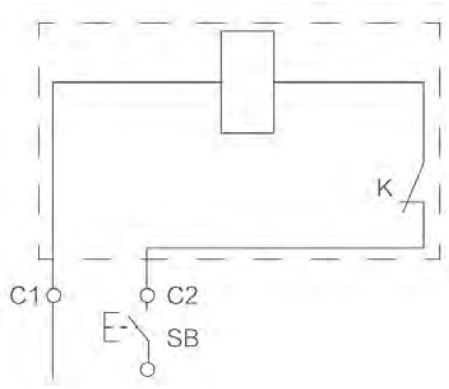
Control voltage:

50Hz AC230V, AC400V;

DC110V， DC220V， DC24V

When the rated control power supply voltage is between 70% and 110%, the shunt release can reliably trip the circuit breaker.

Terminal with wire, default wire length 50cm.



Power consumption

Frame	power consumption，W				
	AC400V	AC230V	DC220V	DC110V	DC24V
GB125/160, GE100	116	76.6	70	52	112.9
GB250，GE250	142.8	162.2	66.7	57.6	108.6
GB400/630/800, GE400/GE800	152.3	139.2	68.6	52.6	96

Note: When the rated control power supply voltage is DC24V, there are two solutions:
1. When selecting a DC24V shunt release, the following three conditions should be met: the cross-sectional area of the wire should be ≥ 2.5mm, and the length of the wire should not exceed 200m; The power supply at the terminal of the release device should be ≥ 150W.
2. Selecting DC24V intermediate relay to control the AC230V or AC400V shunt release, with a contact capacity of not less than 1A for the intermediate relay.

Undervoltage release

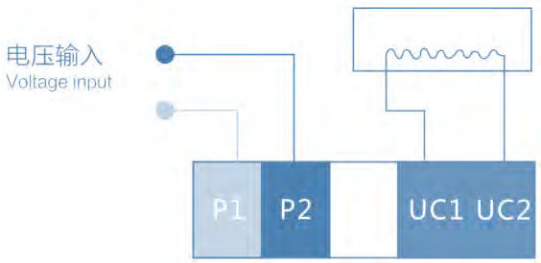
Control voltage: 50Hz AC230V, AC400V

When the rated voltage is between 35% and 70%, the undervoltage release should reliably trip the circuit breaker;

When the rated voltage is between 85% and 110%, the undervoltage release should ensure that the circuit breaker can be closed;

When the rated voltage is below 35%, the undervoltage release should prevent the circuit breaker from closing.

Attention: The undervoltage release must be powered on before the circuit breaker can be tripped and closed, otherwise it will damage the circuit breaker.

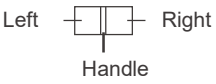


Power consumption

Frame	power consumption，W	
	AC400V	AC230V
GB125/160, GE100	0.3	0.3
GB250, GE250	0.5	0.5
GB400/630/800, GE400/GE800	0.7	0.7

GB Thermo-magnetic MCCB，Accessories installation

■ Shunt release ▼Undervoltage release ○ Auxiliary contact ● Alarm contact
◆ Double auxiliary contact ★ Auxiliary alarm contact assembly



Description	GB160		GB250		GB400		GB630		GB800	
	3	4	3	4	3	4	3	4	3	4
Non	–		–		–		–		–	
Shunt release		■		■		■		■		■
Auxiliary contact，1NO+1NC	○		○		○		○		○	
Double auxiliary contact，2NO+2NC	◆		◆		◆		◆		◆	
Undervoltage release		▼		▼		▼		▼		▼
Shunt release, Auxiliary contact 1NO+1NC	○	■	○	■	○	■	○	■	○	■
Shunt release, Double auxiliary contact 2NO+2NC	◆	■	◆	■	◆	■	◆	■	◆	■
Shunt release, Undervoltage release （≤Frame 250A , Only 1 can be selected		▼ ■		▼ ■	■	▼	■	▼	■	▼
2* Auxiliary contact, 2*（1NO+1NC）	○	○	○	○	○	○	○	○	○	○
2* Double auxiliary contact，2*（2NO+2NC）					◆	◆	◆	◆	◆	◆
2* Double auxiliary contact，2*（2NO+2NC）， Auxiliary contact 1NO+1NC	◆	○	◆	○	◆	○	◆	○	◆	○
Undervoltage release, Auxiliary contact 1NO+1NC	○	▼	○	▼	○	▼	○	▼	○	▼
Undervoltage release, Double auxiliary contact， 2NO+2NC	◆	▼	◆	▼	◆	▼	◆	▼	◆	▼
Alarm contact，1NO+1NC	●		●		●		●		●	
Shunt release, Alarm contact 1NO+1NC	●	■	●	■	●	■	●	■	●	■
Double auxiliary contact， 2NO+2NC, Alarm contact， 1NO+1NC					●	◆	●	◆	●	◆
Undervoltage release, Alarm contact 1NO+1NC	●	▼	●	▼	●	▼	●	▼	●	▼
Shunt release, Auxiliary alarm contact assembly （Auxiliary contact 1NO+1NC, Alarm contact 1NO+1NC）	★	■	★	■	★	■	★	■	★	■
Auxiliary alarm contact assembly （Auxiliary contact 1NO+1NC, Alarm contact 1NO+1NC）	★		★		★		★		★	
Auxiliary contact 1NO+1NC，Auxiliary alarm contact assembly （Auxiliary contact 1NO+1NC, Alarm contact 1NO+1NC）	★	○	★	○	★	○	★	○	★	○
Double auxiliary contact 2NO+2NC，Auxiliary alarm contact assembly （Auxiliary contact 1NO+1NC, Alarm contact 1NO+1NC）					★	◆	★	◆	★	◆
Undervoltage release, Auxiliary alarm contact assembly （Auxiliary contact 1NO+1NC, Alarm contact 1NO+1NC）	★	▼	★	▼	★	▼	★	▼	★	▼

Note:
1) Internal accessories such as shunt, auxiliary, alarm, and undervoltage need to be ordered together with the circuit breaker body and shipped after assembly in the factory;
2) For frames of 250A and below, only one can be selected for shunt and undervoltage, and the standard installation is on the right side
3) Auxiliary, alarm, standard solution preferred on the left
4) When there is a high demand for a large number of accessories, it is advisable to choose an auxiliary combination assembly

GB Electronic MCCB，Accessories installation

■ Shunt release ▼Undervoltage release ○ Auxiliary contact ● Alarm contact
◆ Double auxiliary contact ★ Auxiliary alarm contact assembly

Left Right
Handle

Description	GB125		GB250		GB400		GB630		GB800	
	3	4	3	4	3	4	3	4	3	4
Non	–		–		–		–		–	
Shunt release		■		■		■		■		■
Auxiliary contact，1NO+1NC	○		○		○		○		○	
Double auxiliary contact，2NO+2NC	◆		◆		◆		◆		◆	
Undervoltage release		▼		▼		▼		▼		▼
Shunt release, Auxiliary contact 1NO+1NC	○	■	○	■	○	■	○	■	○	■
Shunt release, Double auxiliary contact 2NO+2NC	◆	■	◆	■	◆	■	◆	■	◆	■
Shunt release, Undervoltage release （≤Frame 250A , Only 1 can be selected		▼ ■		▼ ■	■	▼	■	▼	■	▼
2* Auxiliary contact, 2*（1NO+1NC）	○	○	○	○	○	○	○	○	○	○
2* Double auxiliary contact，2*（2NO+2NC）					◆	◆	◆	◆	◆	◆
2* Double auxiliary contact，2*（2NO+2NC）， Auxiliary contact 1NO+1NC	◆	○	◆	○	◆	○	◆	○	◆	○
Undervoltage release, Auxiliary contact 1NO+1NC	○	▼	○	▼	○	▼	○	▼	○	▼
Undervoltage release, Double auxiliary contact， 2NO+2NC	◆	▼	◆	▼	◆	▼	◆	▼	◆	▼
Alarm contact，1NO+1NC	●		●		●		●		●	
Shunt release, Alarm contact 1NO+1NC	●	■	●	■	●	■	●	■	●	■
Double auxiliary contact， 2NO+2NC, Alarm contact， 1NO+1NC	●	◆	●	◆	●	◆	●	◆	●	◆
Undervoltage release, Alarm contact 1NO+1NC	●	▼	●	▼	●	▼	●	▼	●	▼
Shunt release, Auxiliary alarm contact assembly （Auxiliary contact 1NO+1NC, Alarm contact 1NO+1NC）	★	■	★	■	★	■	★	■	★	■
Auxiliary alarm contact assembly （Auxiliary contact 1NO+1NC, Alarm contact 1NO+1NC）	★		★		★		★		★	
Auxiliary contact 1NO+1NC，Auxiliary alarm contact assembly （Auxiliary contact 1NO+1NC, Alarm contact 1NO+1NC）	★	○	★	○	★	○	★	○	★	○
Double auxiliary contact 2NO+2NC，Auxiliary alarm contact assembly （Auxiliary contact 1NO+1NC, Alarm contact 1NO+1NC）					★	◆	★	◆	★	◆
Undervoltage release, Auxiliary alarm contact assembly （Auxiliary contact 1NO+1NC, Alarm contact 1NO+1NC）	★	▼	★	▼	★	▼	★	▼	★	▼

Note:
1) Internal accessories such as shunt, auxiliary, alarm, and undervoltage need to be ordered together with the circuit breaker body and shipped after assembly in the factory;
2) For frames of 250A and below, only one can be selected for shunt and undervoltage, and the standard installation is on the right side
3) Auxiliary, alarm, standard solution preferred on the left
4) When there is a high demand for a large number of accessories, it is advisable to choose an auxiliary combination assembly

GB Residual current MCCB，Accessories installation

■ Shunt release ▼Undervoltage release ○ Auxiliary contact ● Alarm contact
◆ Double auxiliary contact ★ Auxiliary alarm contact assembly

Left Right
Handle

Description	GE100		GE250		GE400		GE800	
	3	4	3	4	3	4	3	4
Non	–		–		–		–	
Shunt release	■		■		■		■	
Auxiliary contact，1NO+1NC	○		○		○		○	
Double auxiliary contact，2NO+2NC	◆		◆		◆		◆	
Undervoltage release	▼		▼		▼		▼	
Shunt release, Auxiliary contact 1NO+1NC	○	■ *	○	■ *	○ ■		○ ■	
Shunt release, Double auxiliary contact 2NO+2NC	◆	■ *	◆	■ *	◆	■ *	◆ ■	
Shunt release, Undervoltage release	▼	■ *	▼	■ *	▼	■ *	▼	■ *
Undervoltage release, Auxiliary contact 1NO+1NC					○ ▼		○ ▼	
Undervoltage release, Double auxiliary contact， 2NO+2NC							◆ ▼	
Alarm contact，1NO+1NC	●		●		●		●	
Shunt release, Alarm contact 1NO+1NC	●	■ *	●	■ *	● ■		● ■	
Double auxiliary contact， 2NO+2NC, Alarm contact， 1NO+1NC					◆ ●		◆ ●	
Undervoltage release, Alarm contact 1NO+1NC					● ▼		● ▼	
Shunt release, Auxiliary alarm contact assembly （Auxiliary contact 1NO+1NC, Alarm contact 1NO+1NC）	★	■ *	★	■ *	★ ■		★ ■	
Auxiliary alarm contact assembly （Auxiliary contact 1NO+1NC, Alarm contact 1NO+1NC）	★		★		★		★	
Undervoltage release, Auxiliary alarm contact assembly （Auxiliary contact 1NO+1NC, Alarm contact 1NO+1NC）							★ ▼	

Note：All residual current circuit breakers marked with *, the shunt release devices are all external

1）Internal accessories such as shunt, auxiliary, alarm, and undervoltage need to be ordered together with the circuit breaker body and shipped after assembly in the factory;

2）Only one can be selected for shunt and undervoltage, and the standard installation is on the right side;

3）Residual current circuit breaker, auxiliary, alarm, standard solution preferred on the left.

Reference Cross Section of Connecting Conductors for Different Rated Currents

Selection of conductors

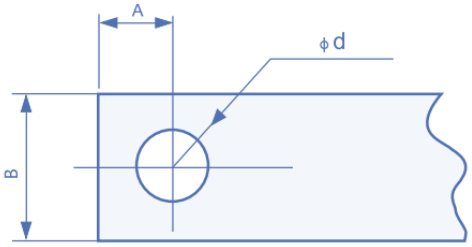
Rated Current A	10	16	25	32	40	63	80	100	125	160	180	250	315	400
		20			50				140		200		350	
											225			
Cross Section mm^2	1.5	2.5	4	6	10	16	25	35	50	70	95	120	185	240

Selection of cables and copper bars

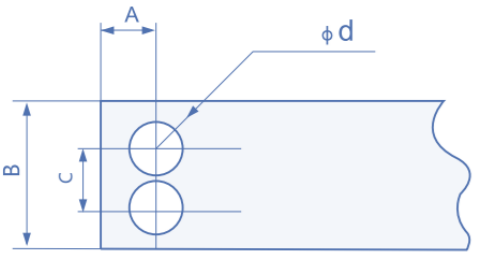
Rated current	Cross section		Size of copper bars	
A	Qty.	Cross section mm^2	Qty.	Cross section mm^2
500	2	150	2	30x5
630	2	185	2	40x5
700	2	240	2	50x5
800	2	240	2	50x5

When using copper bar connection, the hole size of the copper bar is:

630及以下壳架

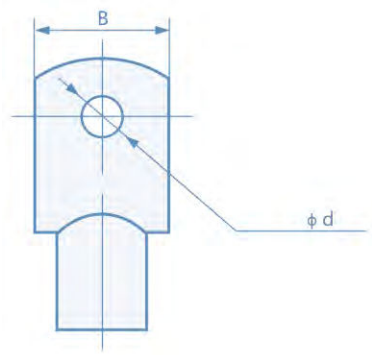


800壳架



Size / Frame	A	B	C	D
GB125/160, GE100	8	≤19	/	8.5
GB250, GE250	10	≤24	/	8.5
GB400, GE400	11.5	≤28	/	10.5
GB630	11.5	≤30	/	10.5
GB800, GE800	12	≤40	22	8.5

Frame 250A and below, Reference for connection terminals used when using cable connections:



Frame	Ratting (A)	cross section (mm^2)	B	Φd
GB125 GB160 GE100	16、20	2.5	15	8.2
	25	4	15	
	32	6	15	
	40、50	10	15	
	63	16	17	
	80	25	17	
	100	35	17	
	125、140	50	17	
	160	70	17	
GB250 GE250	100	35	22	8.2
	125、140	50	22	
	160	70	22	
	180、200	95	22	
	250	120	24max	

GB Thermal-magnetic type, GE residual current circuit breaker, derating factor due to changes in ambient temperature

Frame	Derating factor xIn						
A	+40°C	+45°C	+50°C	+55°C	+60°C	+65°C	+70°C
GB160，GE100	1	0.95	0.94	0.93	0.92	0.90	0.89
GB250，GE250	1	0.95	0.90	0.89	0.85	0.81	0.78
GB400，GE400	1	0.95	0.90	0.89	0.85	0.81	0.80
GB630	1	0.95	0.94	0.92	0.90	0.87	0.86
GB800，GE800	1	0.95	0.93	0.85	0.92	0.80	0.78

GB Electronic type, derating factor due to changes in ambient temperature

Frame	Derating factor xIn						
A	+40°C	+45°C	+50°C	+55°C	+60°C	+65°C	+70°C
GB125	1	1	0.98	0.95	0.92	0.92	0.90
GB250	1	1	0.98	0.96	0.93	0.93	0.90
GB400	1	1	0.98	0.96	0.94	0.94	0.92
GB630	1	1	1.00	1.00	0.98	0.98	0.98
GB800	1	1	0.98	0.96	0.94	0.94	0.92

Circuit breakers derating factor due to changes in altitude

Altitude (m)	2000	3000	4000	5000
power-frequency withstand voltage (V)	3000	2500	2000	1800
Current deratting factor	1	0.94	0.86	0.82
insulation voltage (V)	1000	800	700	600
Oprating voltage(V)，≤	690	600	500	440

Note: When the connection type of GB160 circuit breaker is plug-in and board rear connection, the derating factor is 0.75; and when other frame plug-in and board rear connections are connected, the derating factor is 0.9

MCCB installation, safe distance

Regarding the insulation performance of exposed and live parts on the circuit breaker line side, at least insulation tape, insulation pipes, or terminal covers should be used to ensure the insulation of live conductors.

① A: The distance between the circuit breaker and the suspension board (with grounded metal).

② B1: The distance from the uncovered conductive part on the terminal side of the circuit breaker to the upper circuit breaker (wiring in front of the board).

③ B2: The distance between the lower circuit breaker and the upper circuit breaker end face (rear connections).

④ D1: The distance between the circuit breaker side and the side liner plate (with grounded metal).

⑤ C: Insulation length of the power terminal of the circuit breaker (front connections).

Please use insulation tape, insulation tubes, insulation partitions, or terminal boards to ensure mutual insulation between exposed live parts within this size range. Regarding the size range, please refer to the insulation distance table.

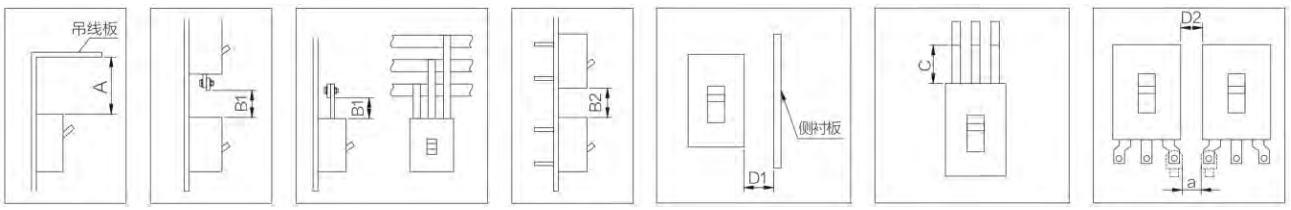
- When using insulation tape, insulation tube, insulation partition, and terminal cover plate simultaneously, ensure that there is at least 10mm overlap between them.
- If insulation partitions must be used according to standard requirements, please ensure that partitions are used.

a ： The spacing specified in the standard.

⑥ D2 ： Distance from the side of the circuit breaker

If there is no gap between circuit breakers during installation, the following regulations must be followed:

- Install insulation partitions between adjacent circuit breakers or isolate exposed and live parts by cutting off gas.
- The insulation distance that must be ensured (dimension a).
- When the residual current circuit breaker and the residual current alarm circuit breaker are installed together, if a current of more than 2500A flows through one of the circuit breakers, the other circuit breaker will malfunction. Ensure a minimum distance of 50mm between each other.
- When a circuit breaker above 400A is equipped with SHT or UVT, if a current of 50kA or more flows through one of the circuit breakers, the other circuit breaker will malfunction. Ensure a minimum distance of 50mm between circuit breakers.



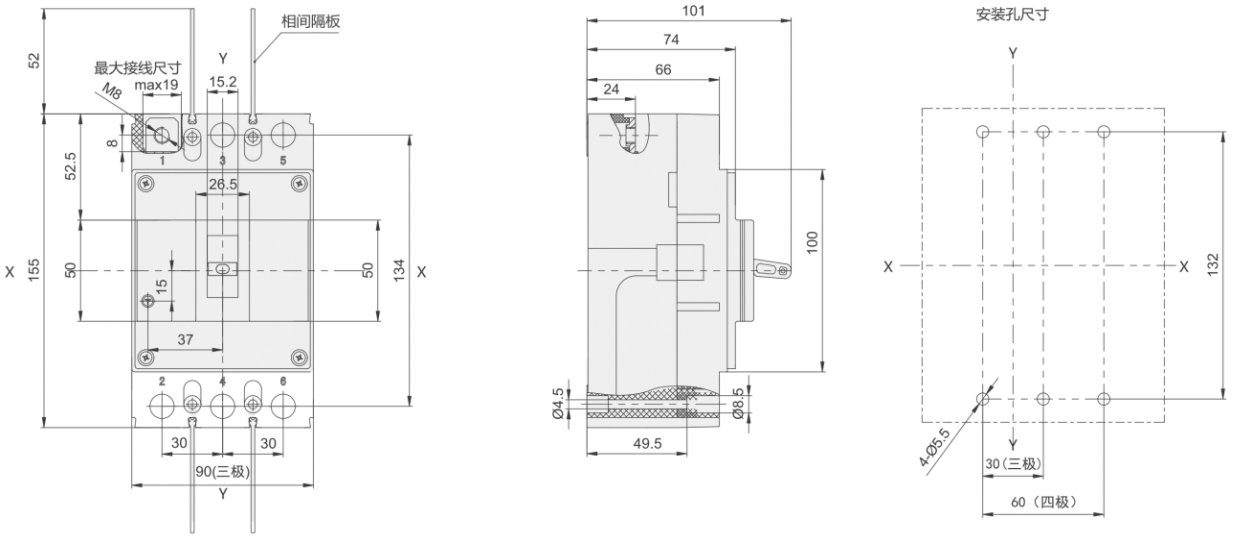
Safe distance

Frame	Suspension board		Vertical distance		Horizontal distance	
	A		B1，B2		C	D1
	Without terminal cover	With terminal cover	Without terminal cover		With terminal cover	
GB125/160，GE100	60	50	60	50	80	30
GB250，GE250	60	50	60	50	80	30
GB400，GE400	120	110	120	110	110	35
GB630，GE630	120	110	120	110	110	35
GB800，GE800	120	110	120	110	110	35

Dimensions

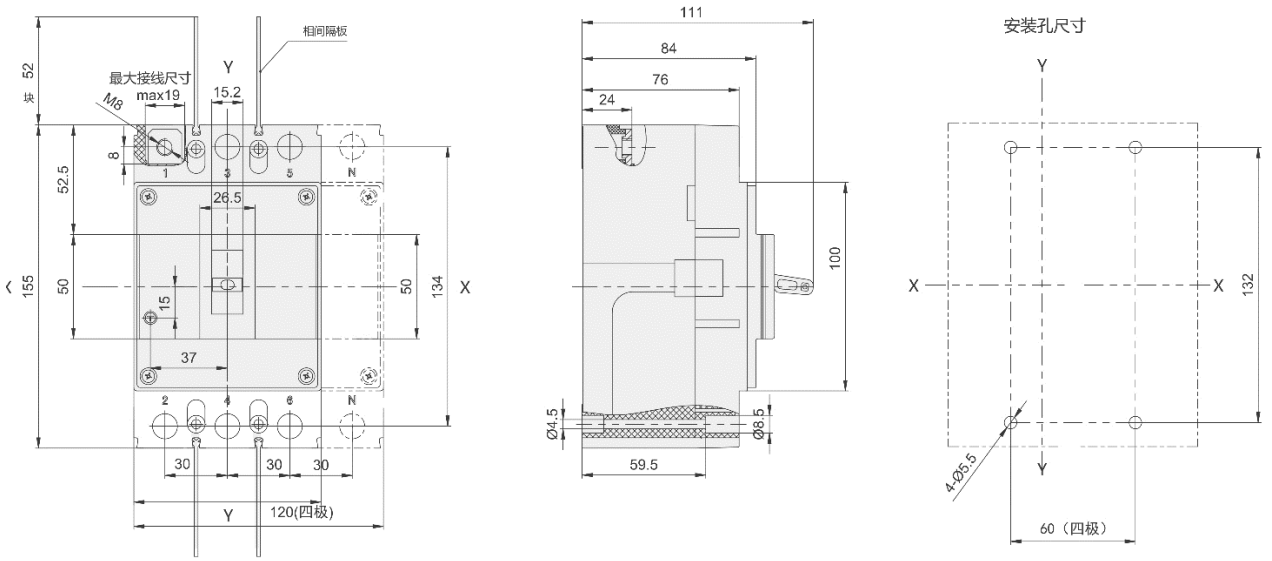
GB160 Thermal-magnetic, Fixed, 3P

X-X, Y-Y are the centers of 3P MCCB



GB160 Thermal-magnetic, Fixed, 4P

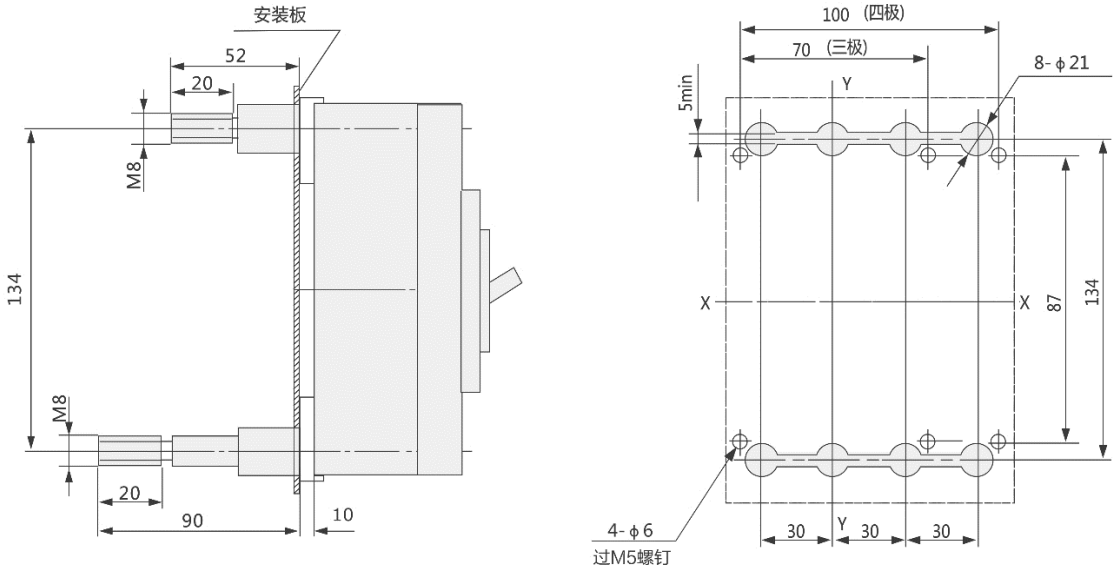
X-X, Y-Y are the centers of 3P MCCB



Dimensions

GB160 Thermal-magnetic, Fixed, Rear connection，3P/4P

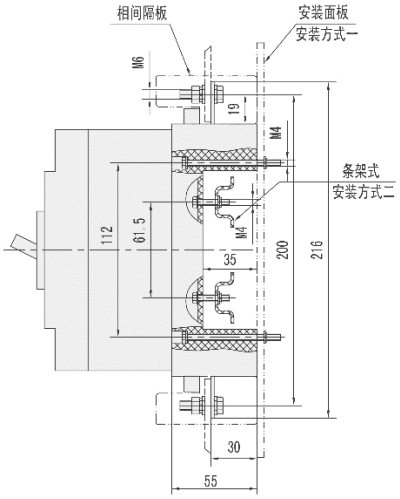
X-X, Y-Y are the centers of 3P MCCB

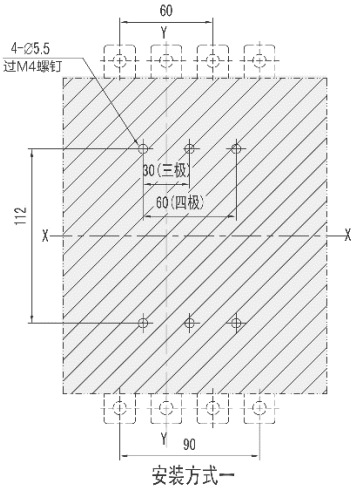


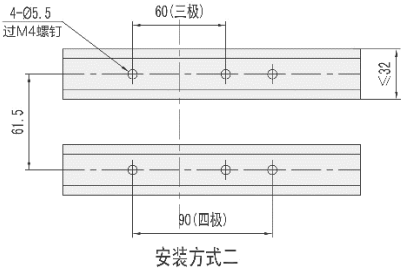
Dimensions

GB160 Thermal-magnetic, Plug-in，Front connection，3P/4P

X-X, Y-Y are the centers of 3P MCCB

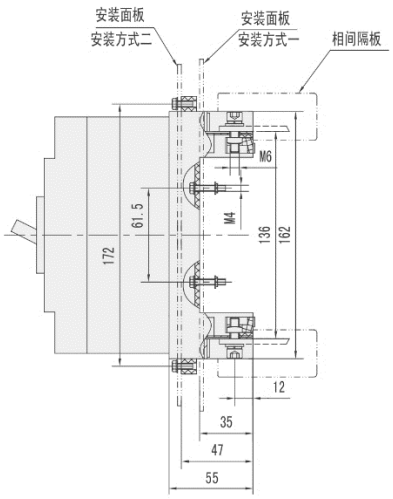


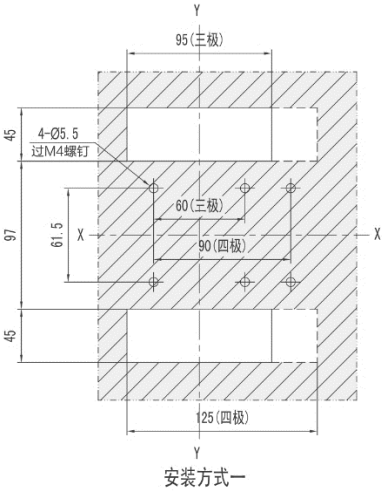


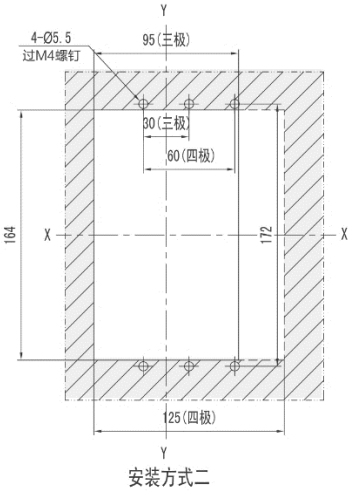


GB160 Thermal-magnetic, Plug-in，Rear connection，3P/4P

X-X, Y-Y are the centers of 3P MCCB



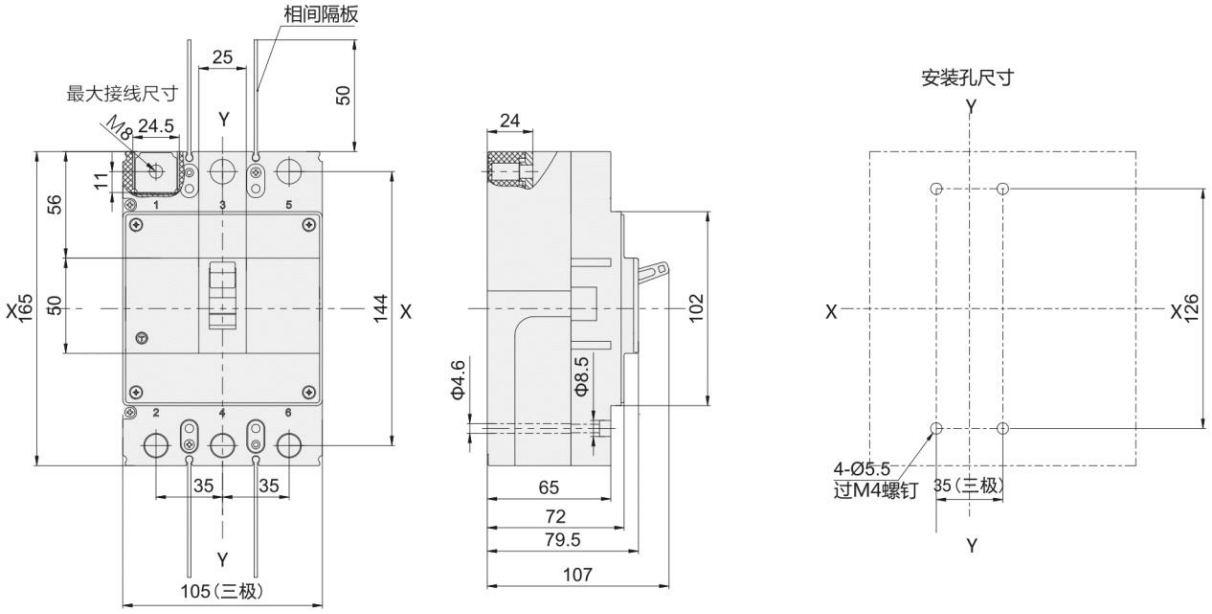




Dimensions

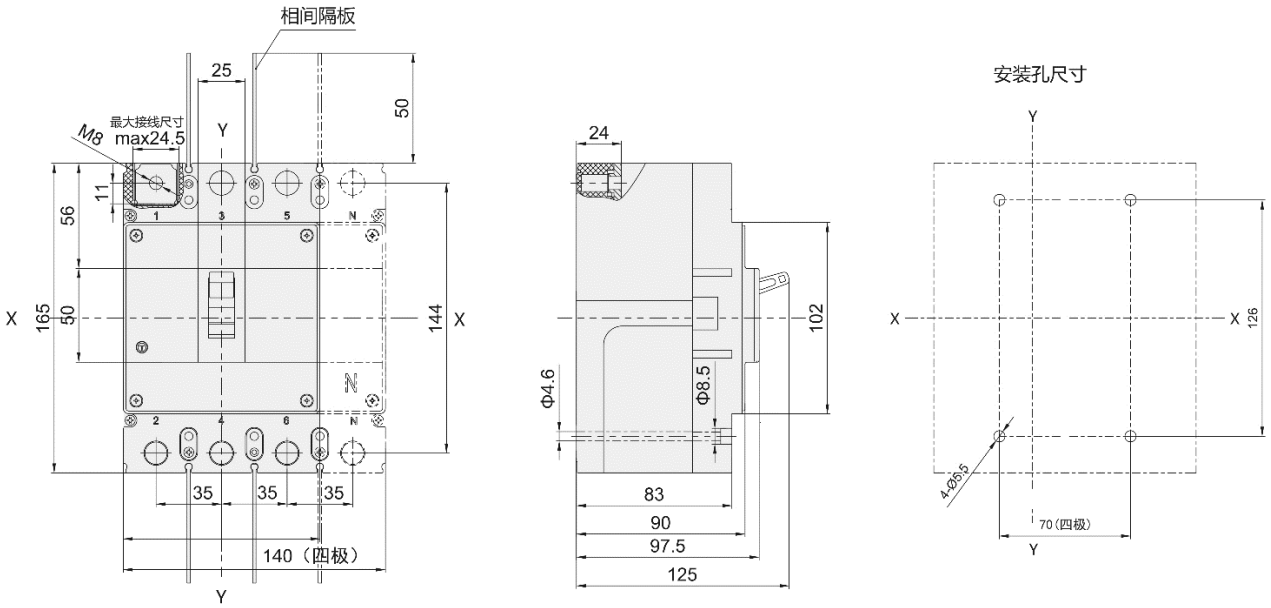
GB250 Thermal-magnetic, Fixed, 3P

X-X, Y-Y are the centers of 3P MCCB



GB250 Thermal-magnetic, Fixed, 4P

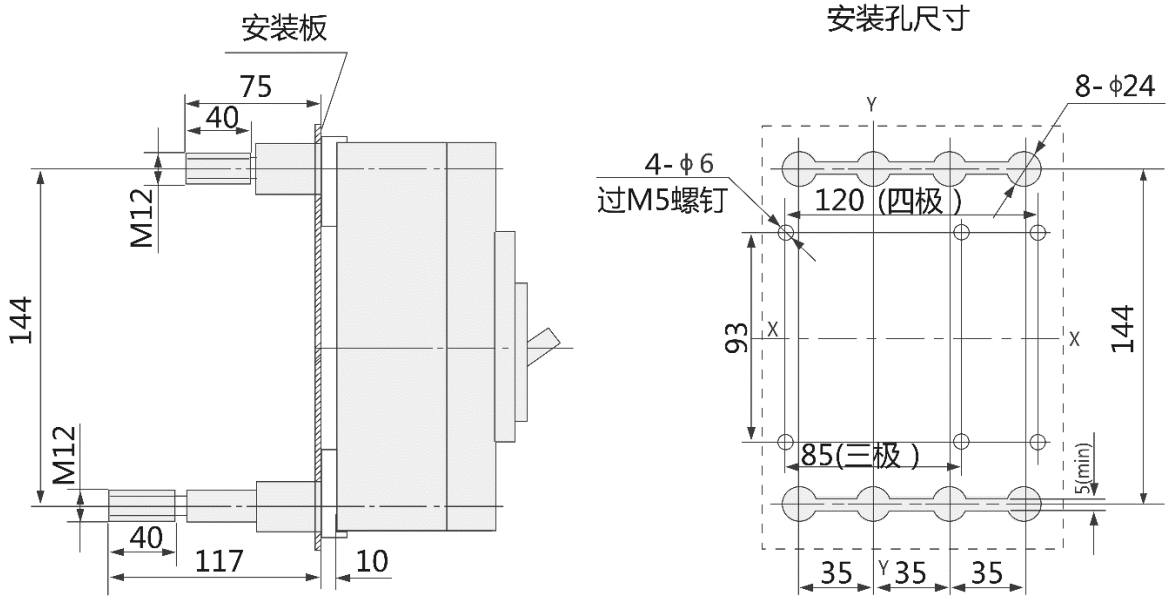
X-X, Y-Y are the centers of 3P MCCB



Dimensions

GB 250 Thermal-magnetic，Fixed，Rear connection，3P/4P

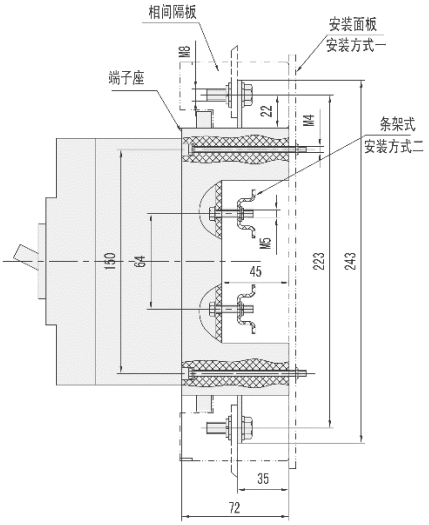
X-X, Y-Y are the centers of 3P MCCB

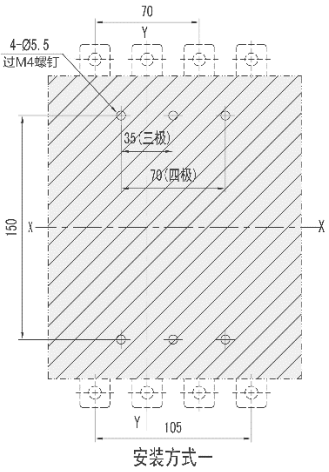


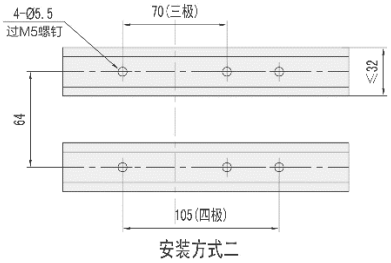
Dimensions

GB250 Thermal-magnetic，Plug-in, Front connection，3P/4P

X-X, Y-Y are the centers of 3P MCCB

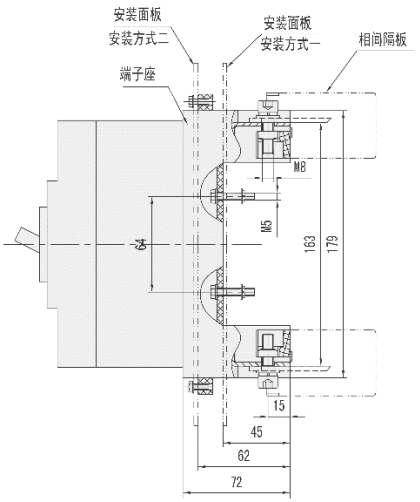


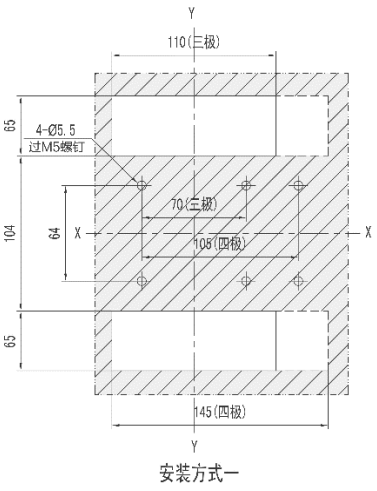


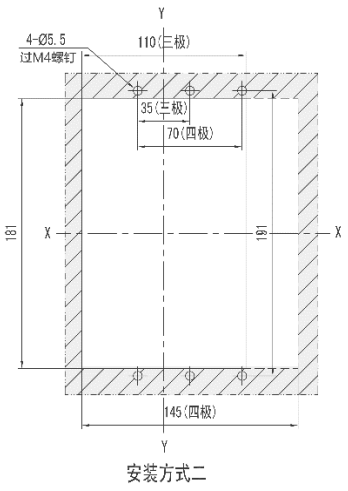


GB250 Thermal-magnetic，Plug-in, Rear connection，3P/4P

X-X, Y-Y are the centers of 3P MCCB



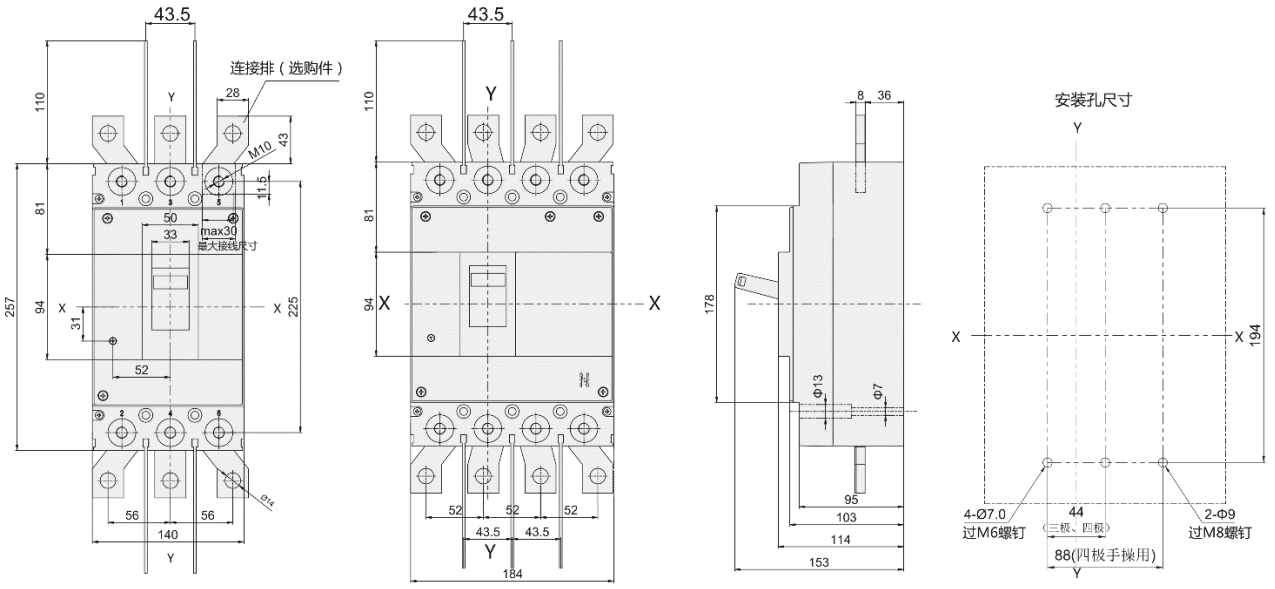




Dimensions

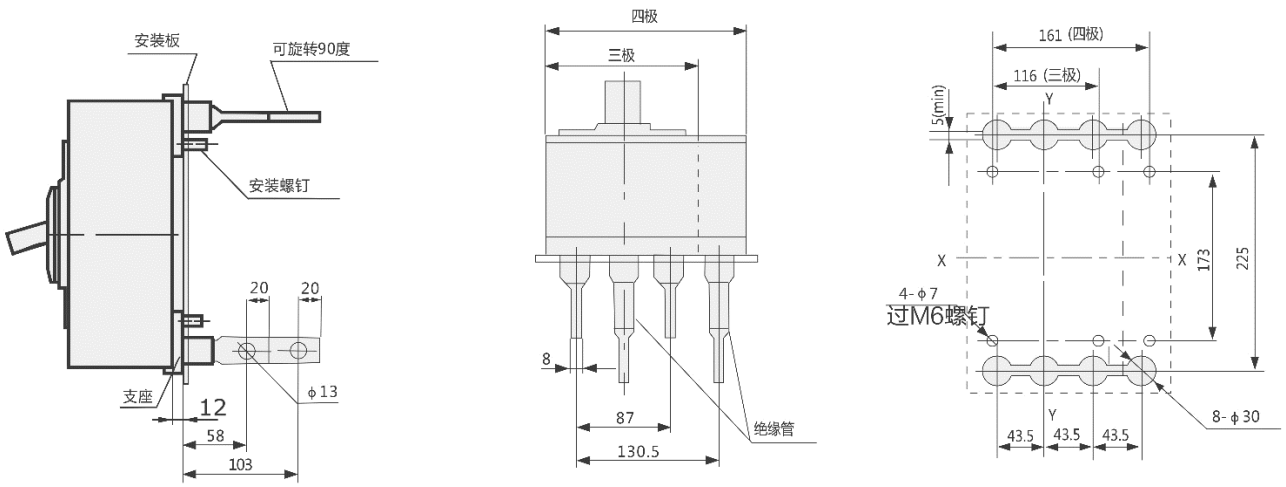
GB400 Thermal-magnetic, Fixed, 3P/4P

X-X, Y-Y are the centers of 3P MCCB



GB400 Thermal-magnetic, Fixed, Rear connection, 3P/4P

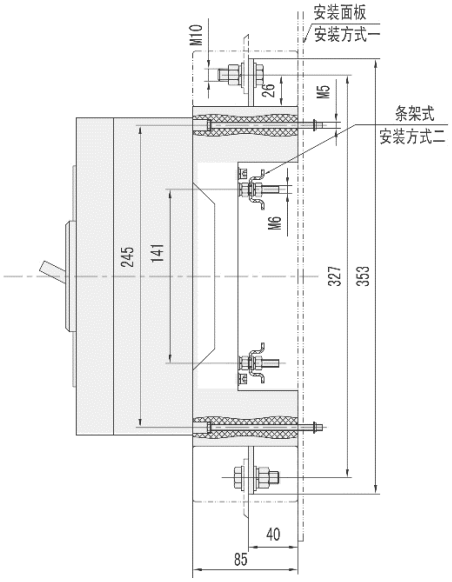
X-X, Y-Y are the centers of 3P MCCB

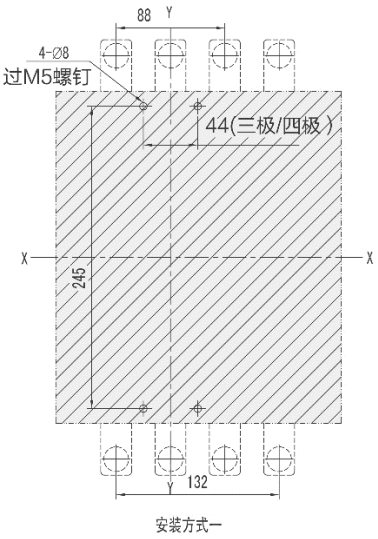


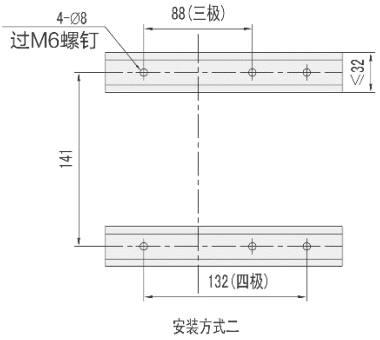
Dimensions

GB400 Thermal-magnetic，Plug-in, Front connection，3P/4P

X-X, Y-Y are the centers of 3P MCCB

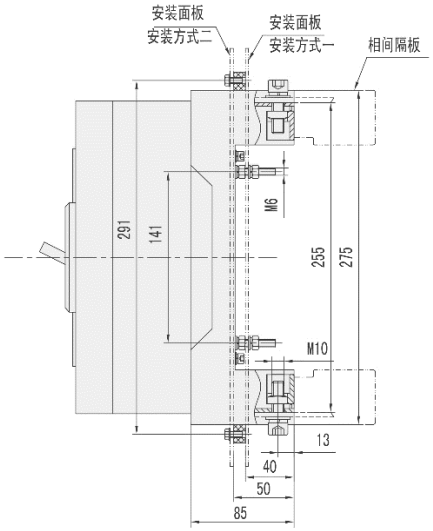


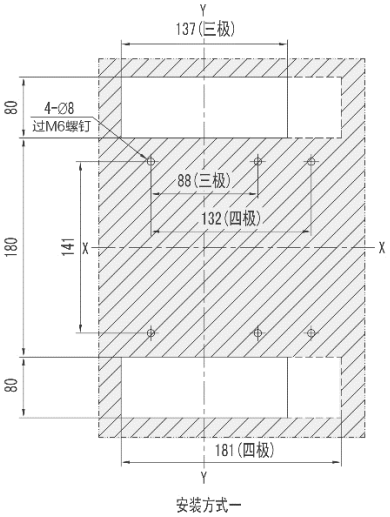


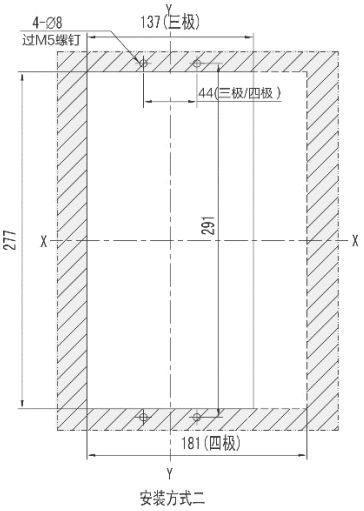


GB400 Thermal-magnetic，Plug-in, Rear connection，3P/4P

X-X, Y-Y are the centers of 3P MCCB



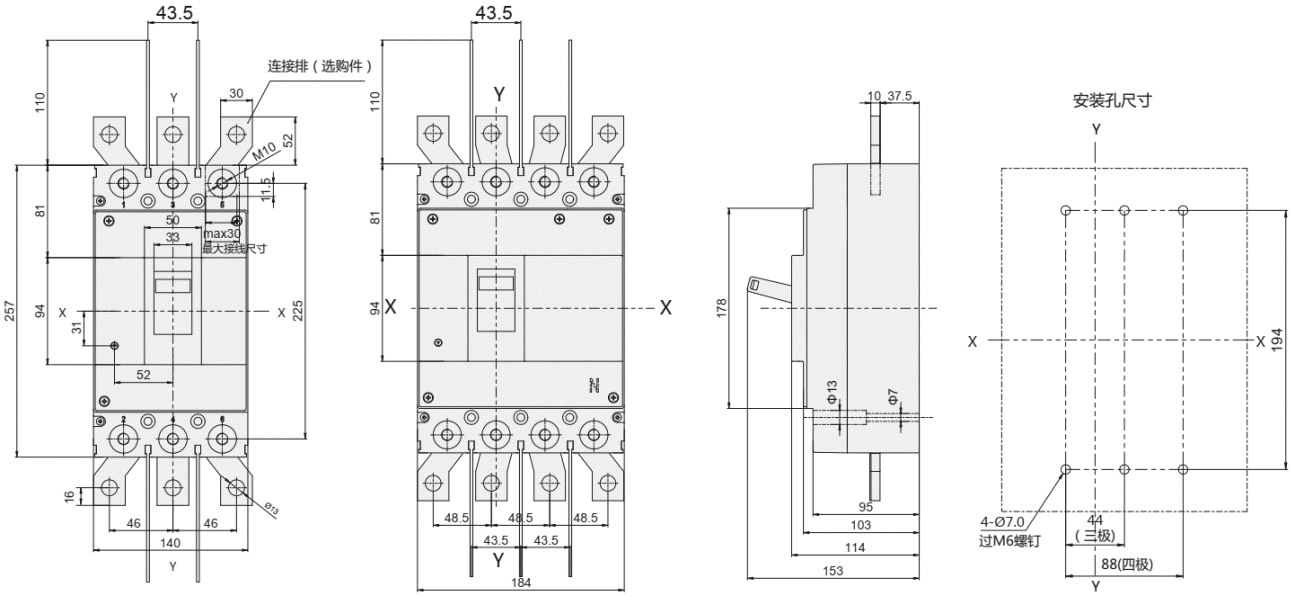




Dimensions

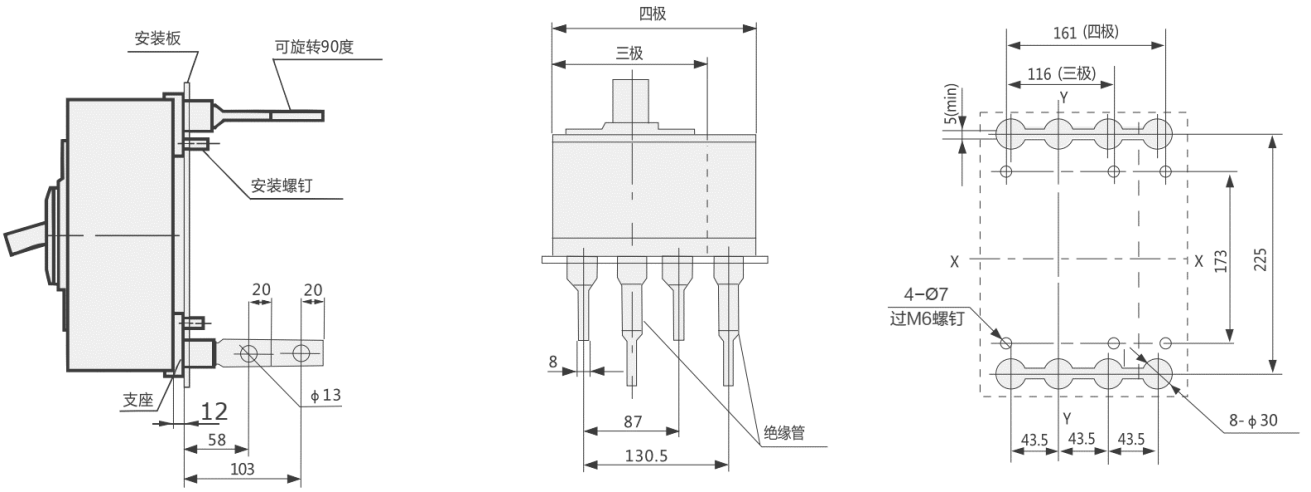
GB630 Thermal-magnetic, Fixed, 3P/4P

X-X, Y-Y are the centers of 3P MCCB



GB630 Thermal-magnetic, Fixed, Rear connection, 3P/4P

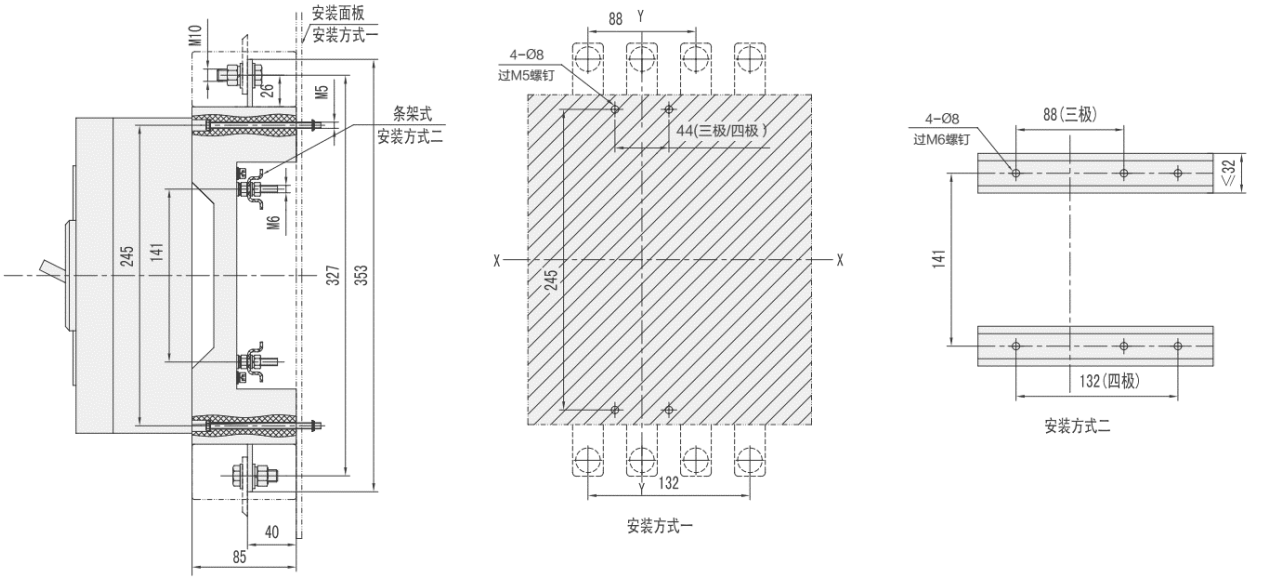
X-X, Y-Y are the centers of 3P MCCB



Dimensions

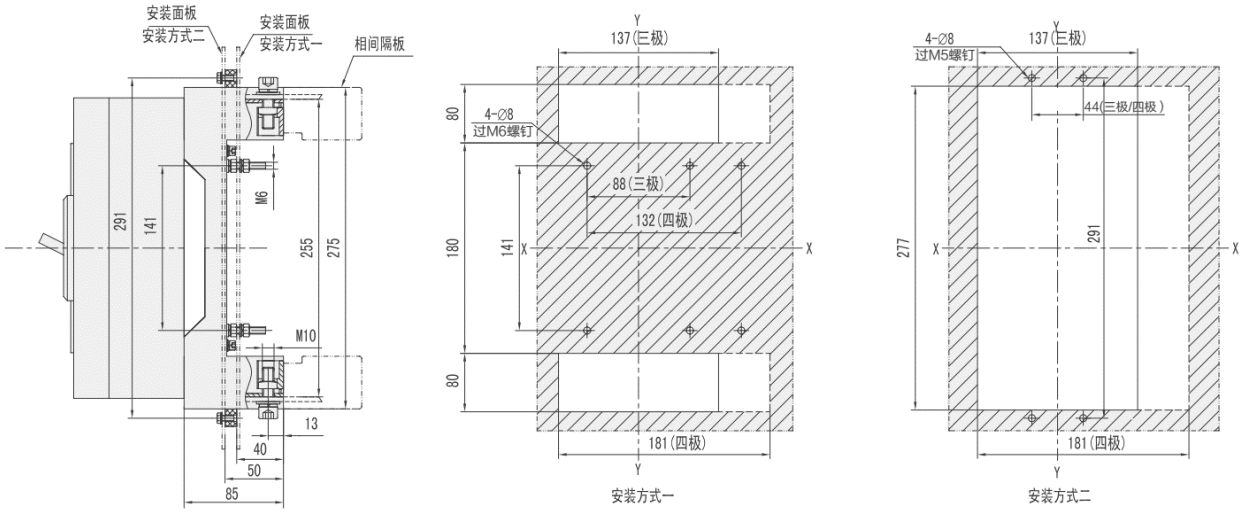
GB630 Thermal-magnetic，Plug-in, Front connection，3P/4P

X-X, Y-Y are the centers of 3P MCCB



GB630 Thermal-magnetic，Plug-in, Rear connection，3P/4P

X-X, Y-Y are the centers of 3P MCCB

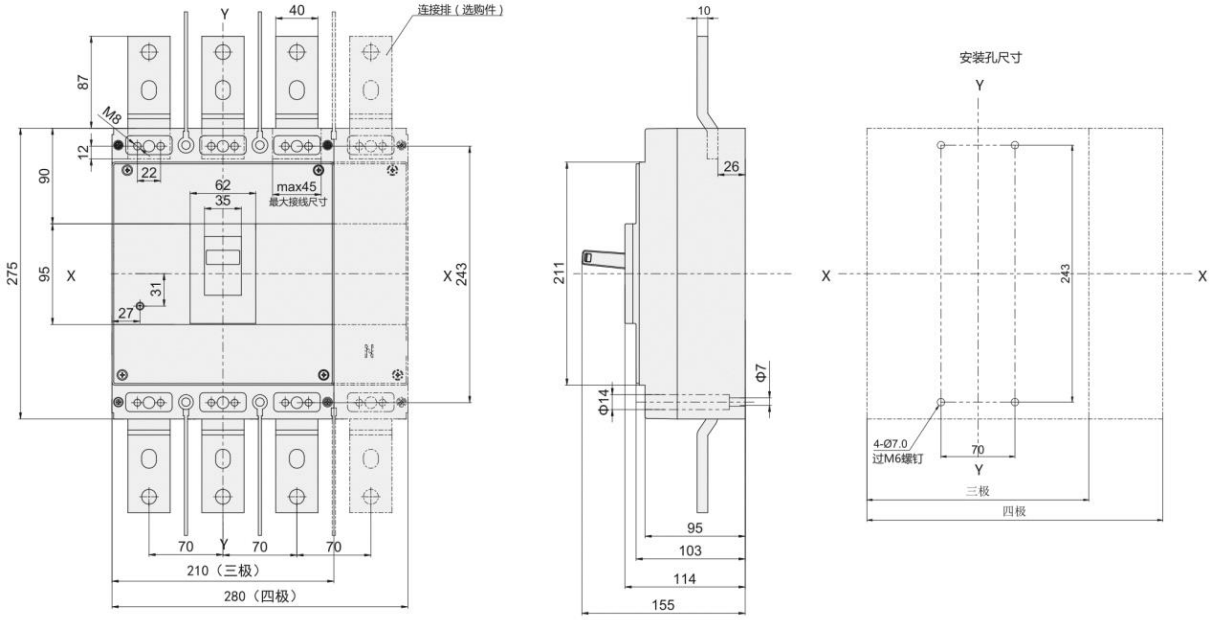


插入式最大使用电流550A

Dimensions

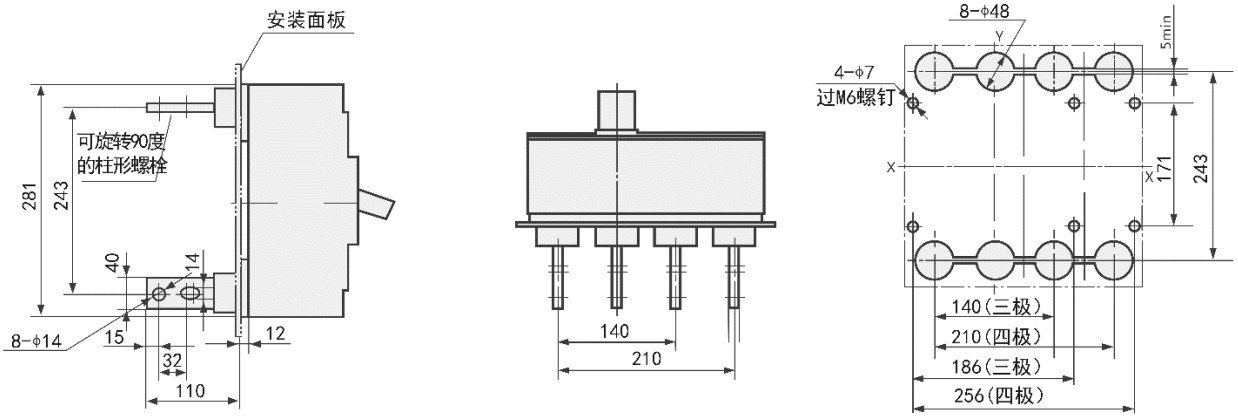
GB800 Thermal-magnetic，Fixed, 3P/4P

X-X, Y-Y are the centers of 3P MCCB



GB800 Thermal-magnetic，Fixed, Rear connection, 3P/4P

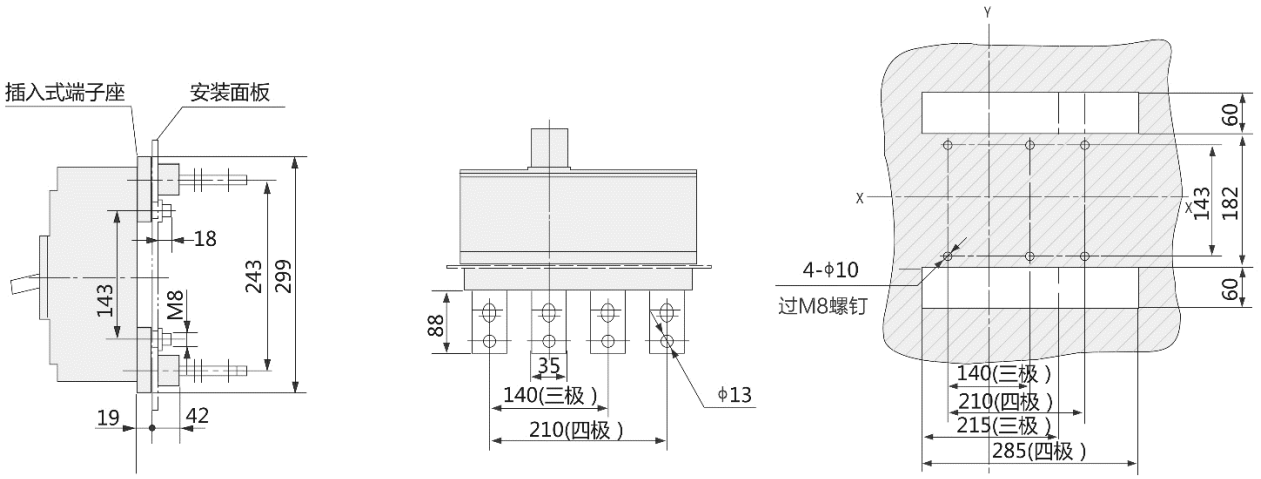
X-X, Y-Y are the centers of 3P MCCB



Dimensions

GB800 Thermal-magnetic，Plug-in, Rear connection，3P/4P

X-X, Y-Y are the centers of 3P MCCB

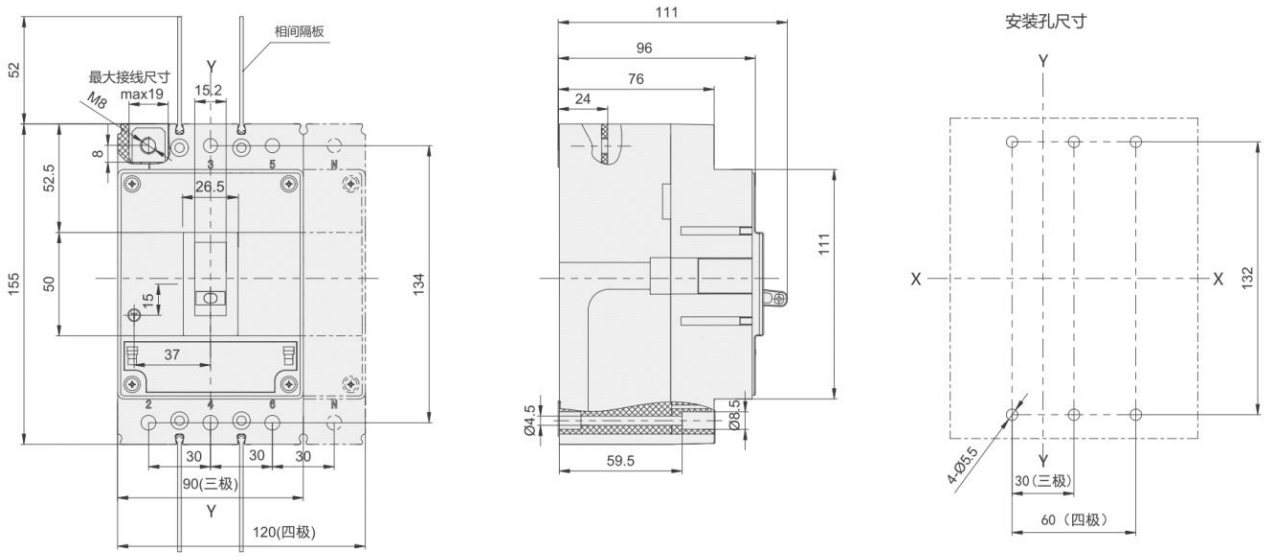


Note: This size is applicable to 700/800A of GB800 frame;
Please contact us for the plug-in size of the 630A rated current of the GB800 frame.

Dimensions

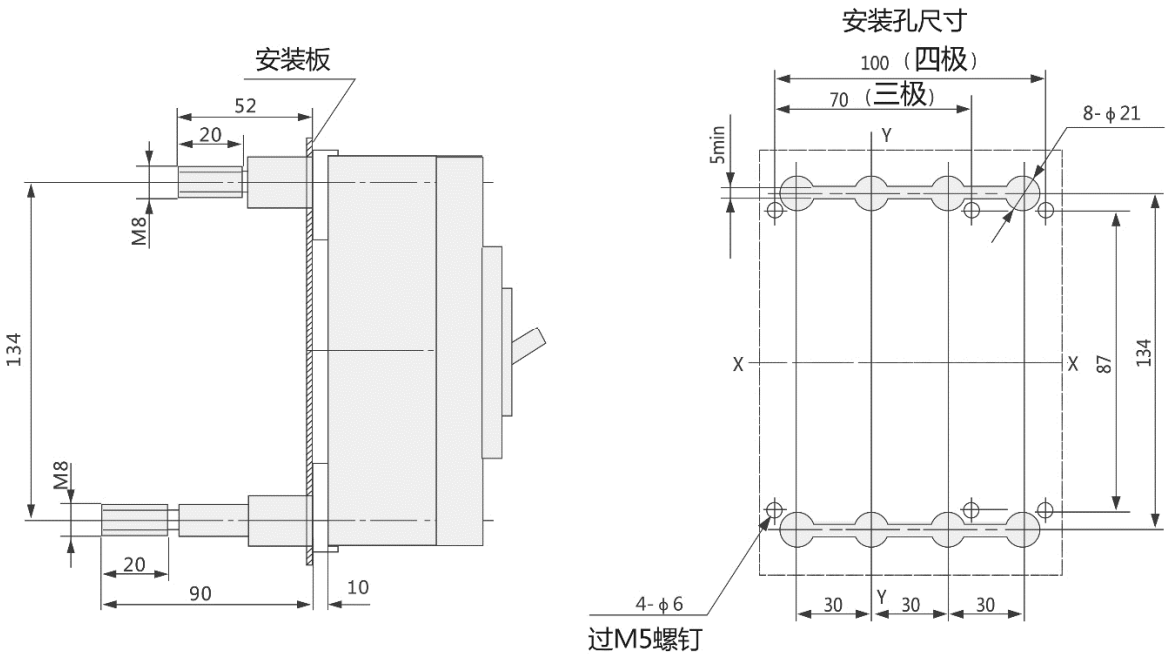
GB125 Electronic，Fixed, 3P/4P

X-X, Y-Y are the centers of 3P MCCB



GB125 Electronic，Fixed, Rear connection, 3P/4P

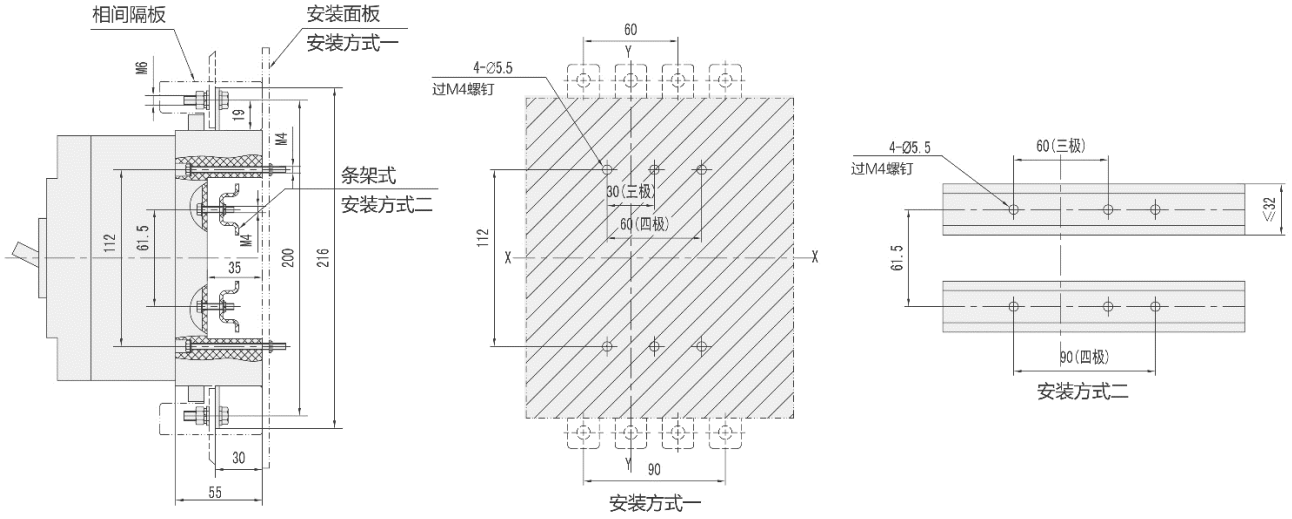
X-X, Y-Y are the centers of 3P MCCB



Dimensions

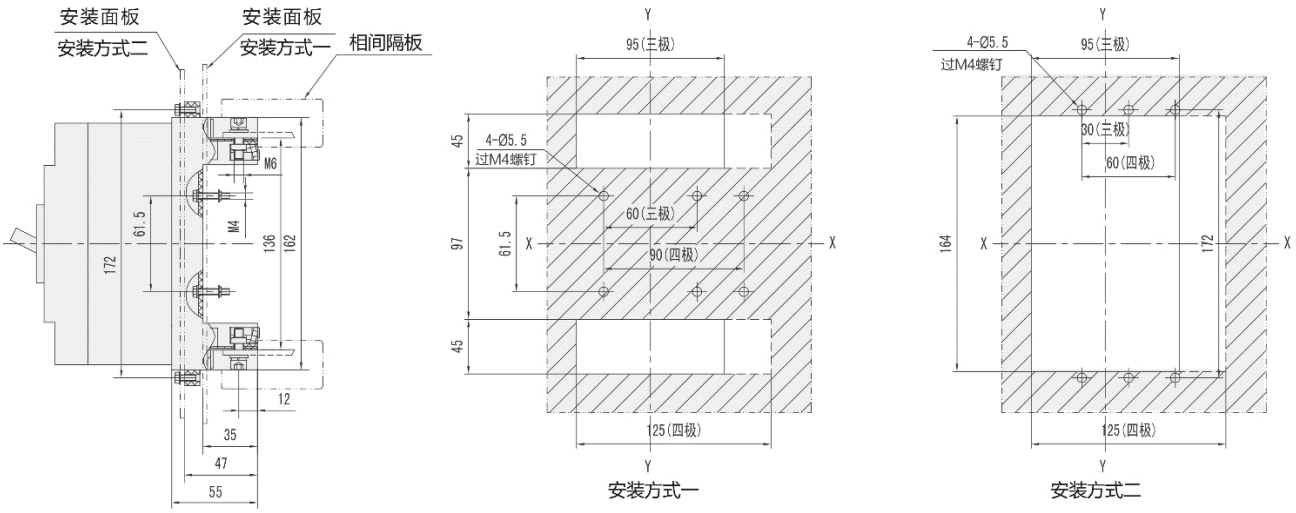
GB125 Electronic，Plug-in, Front connection，3P/4P

X-X, Y-Y are the centers of 3P MCCB



GB125 Electronic，Plug-in, Rear connection，3P/4P

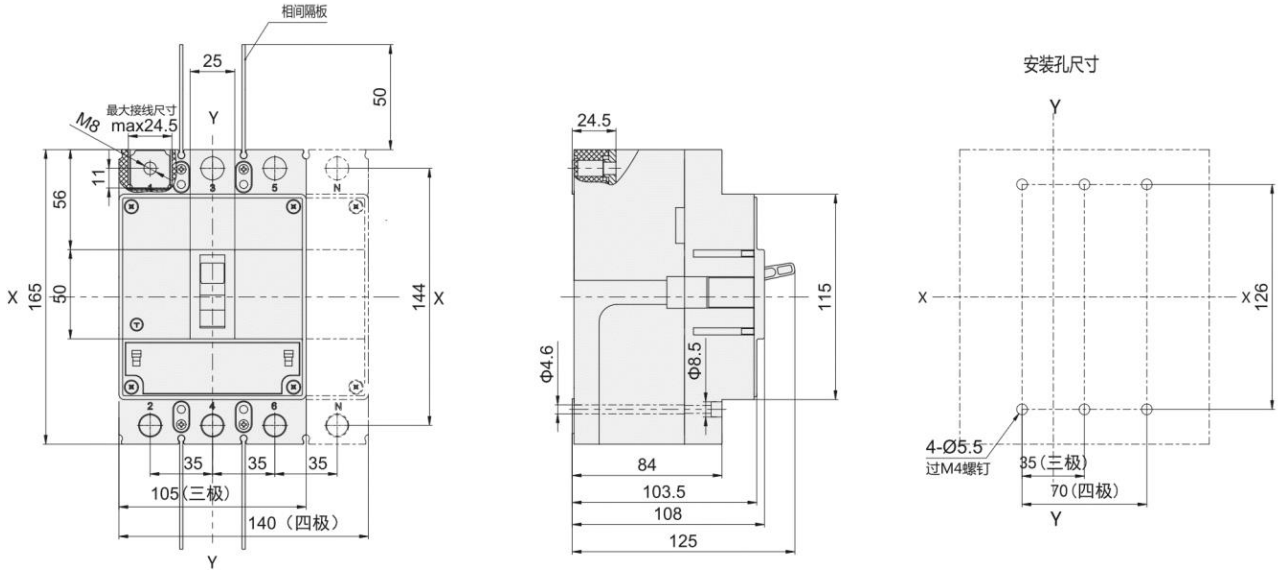
X-X, Y-Y are the centers of 3P MCCB



Dimensions

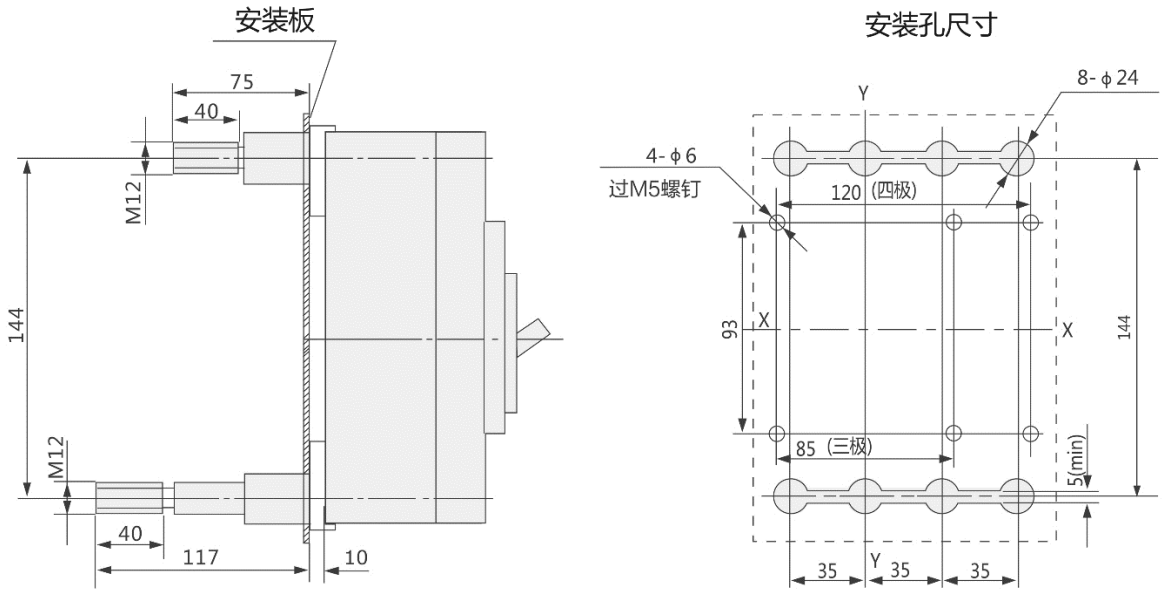
GB250 Electronic，Fixed, 3P/4P

X-X, Y-Y are the centers of 3P MCCB



GB250 Electronic，Fixed, Rear connection, 3P/4P

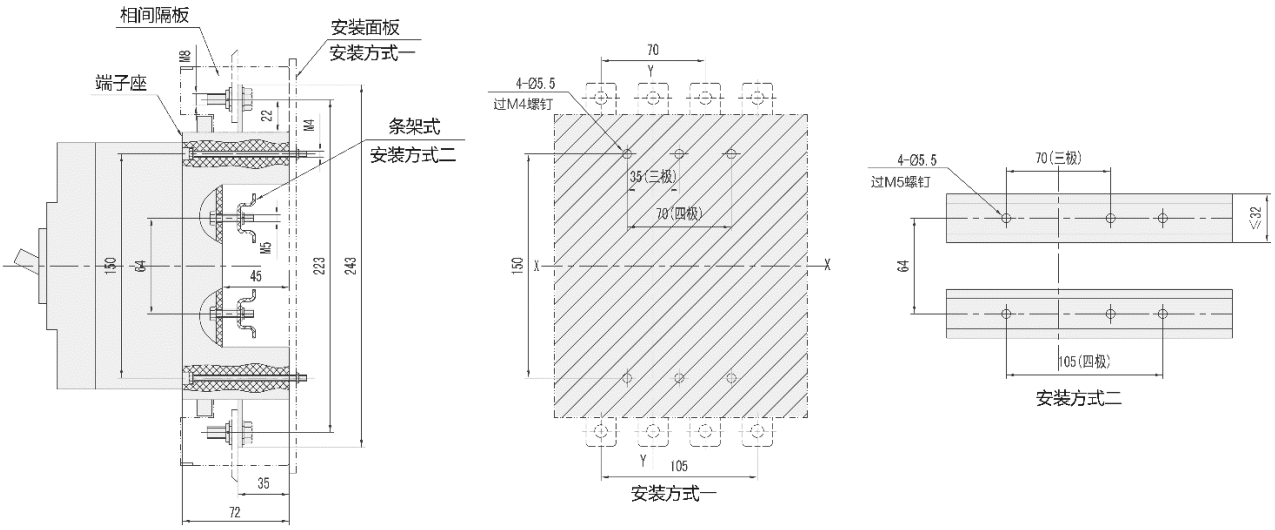
X-X, Y-Y are the centers of 3P MCCB



Dimensions

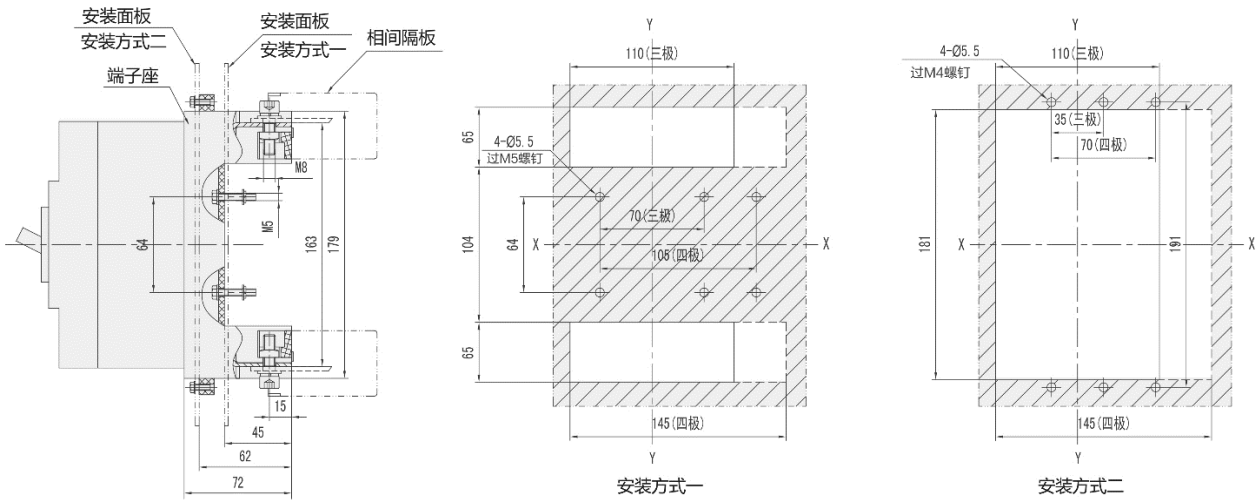
GB250 Electronic，Plug-in, Front connection, 3P/4P

X-X, Y-Y are the centers of 3P MCCB



GB250 Electronic，Plug-in, Rear connection，3P/4P

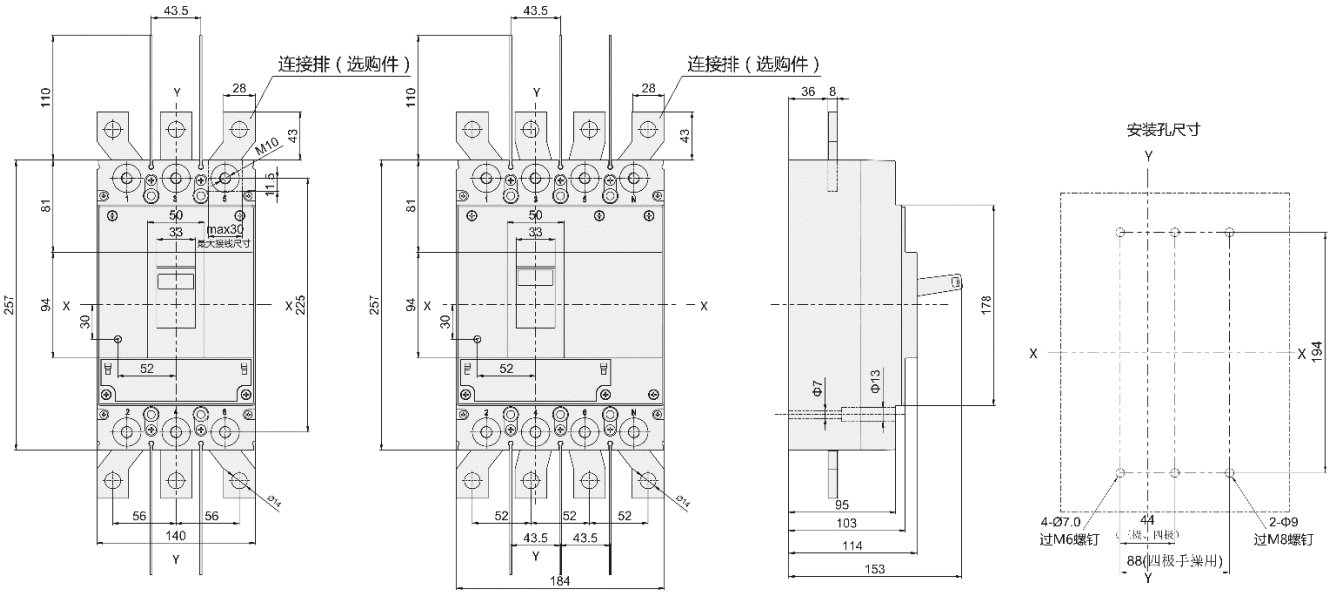
X-X, Y-Y are the centers of 3P MCCB



Dimensions

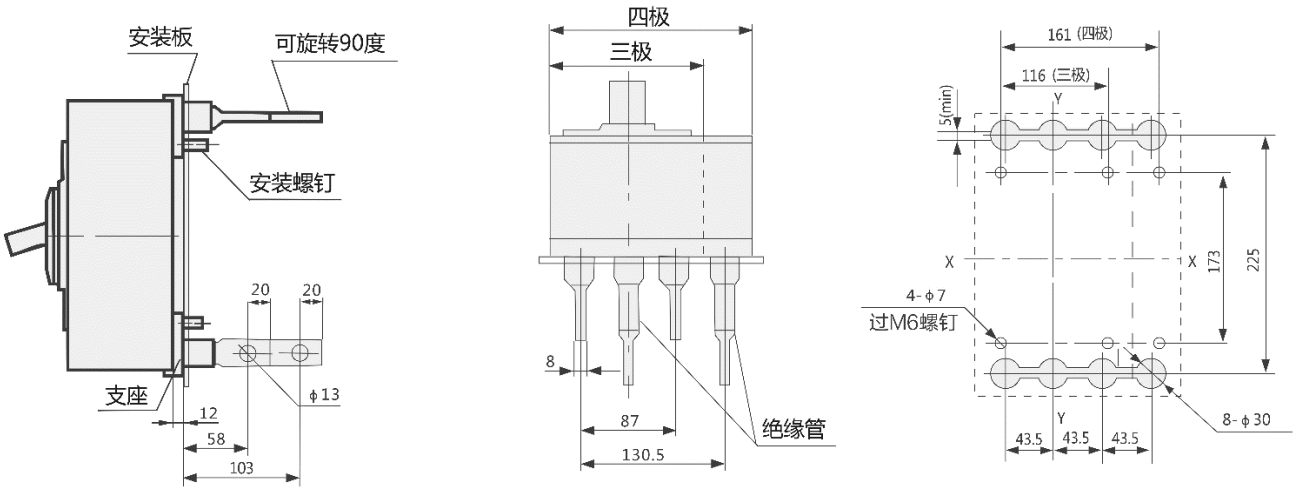
GB400 Electronic，Fixed, 3P/4P

X-X, Y-Y are the centers of 3P MCCB



GB400 Electronic，Fixed, Rear connection, 3P/4P

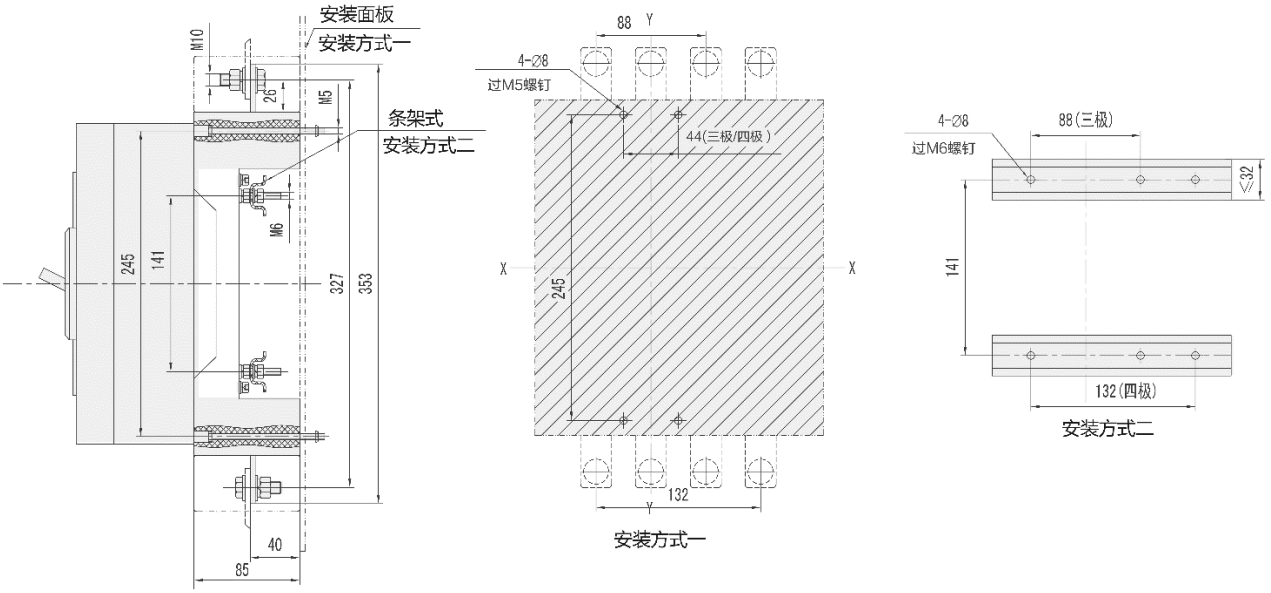
X-X, Y-Y are the centers of 3P MCCB



Dimensions

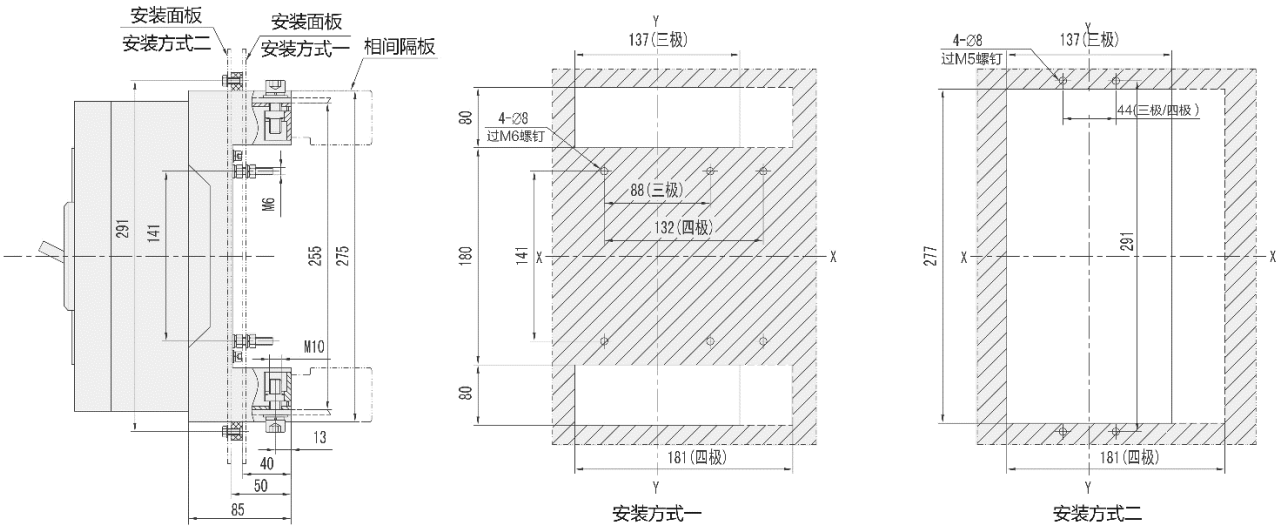
GB400 Electronic，Plug-in, Front connection, 3P/4P

X-X, Y-Y are the centers of 3P MCCB



GB400 Electronic，Plug-in, Rear connection, 3P/4P

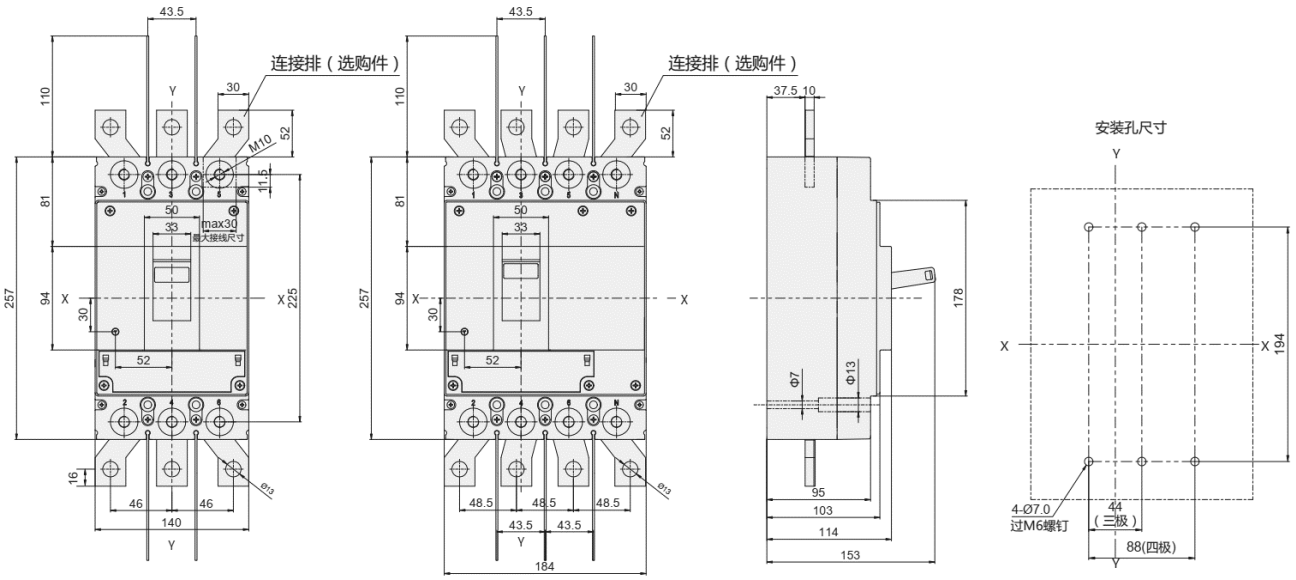
X-X, Y-Y are the centers of 3P MCCB



Dimensions

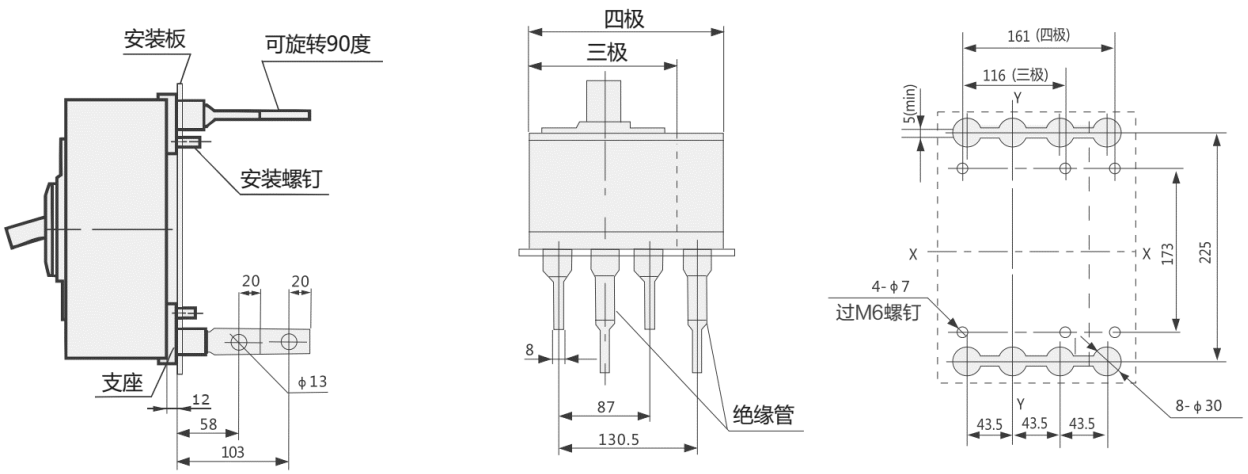
GB630 Electronic，Fixed, 3P/4P

X-X, Y-Y are the centers of 3P MCCB



GB630 Electronic，Fixed, Rear connection, 3P/4P

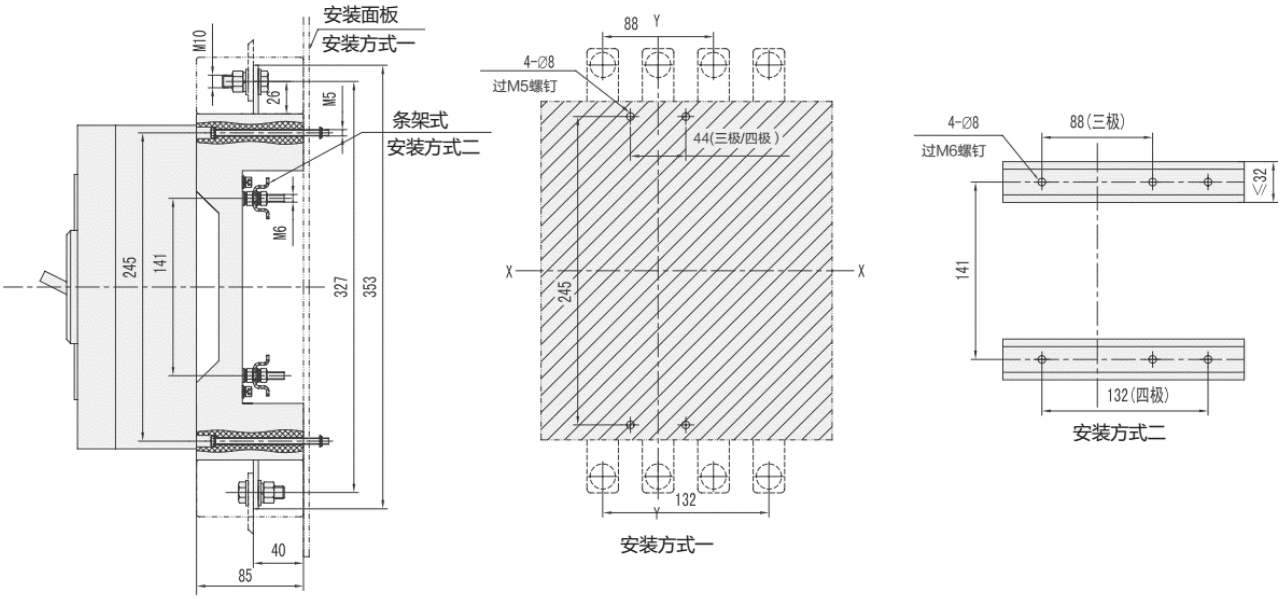
X-X, Y-Y are the centers of 3P MCCB



Dimensions

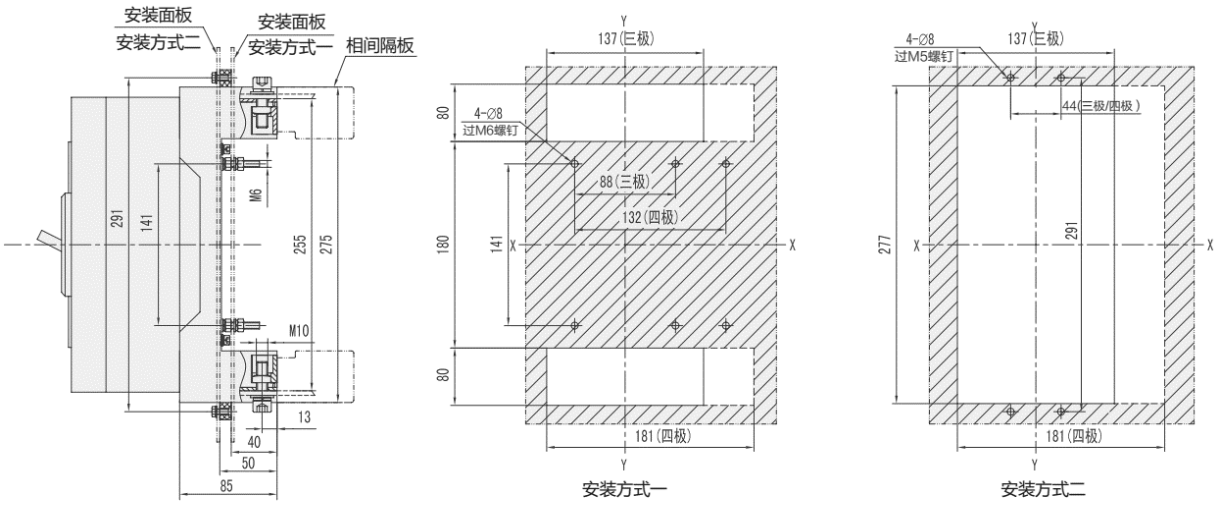
GB630 Electronic，Plug-in, Front connection, 3P/4P

X-X, Y-Y are the centers of 3P MCCB



GB630 Electronic，Plug-in, Rear connection, 3P/4P

X-X, Y-Y are the centers of 3P MCCB

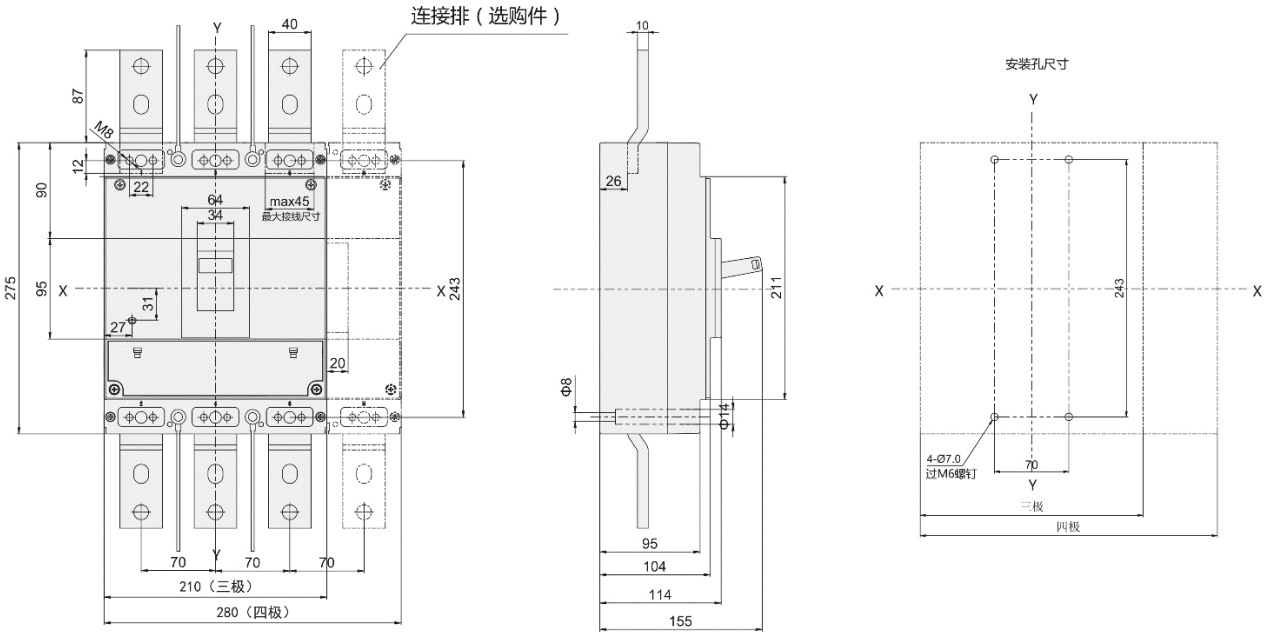


插入式最大使用电流550A

Dimensions

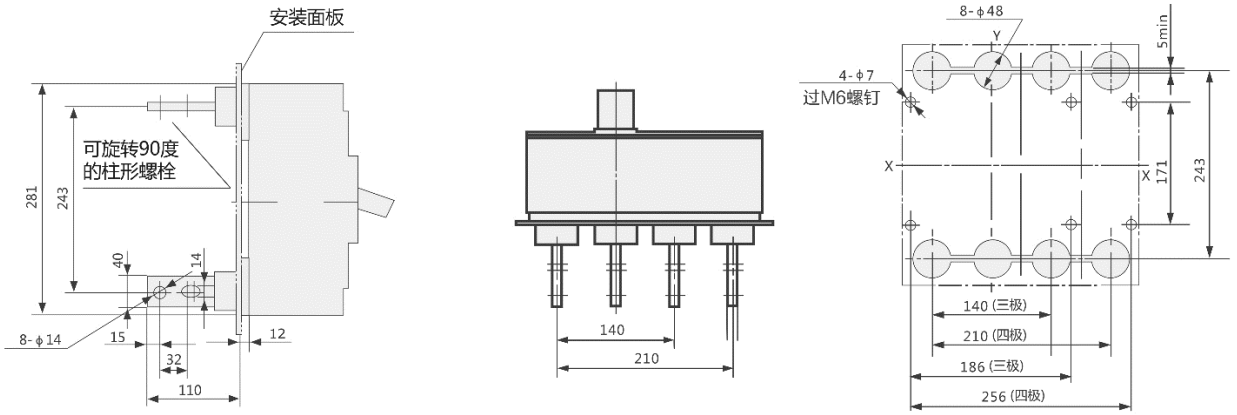
GB800 Electronic，Fixed, 3P/4P

X-X, Y-Y are the centers of 3P MCCB



GB800 Electronic，Fixed, Rear connection, 3P/4P

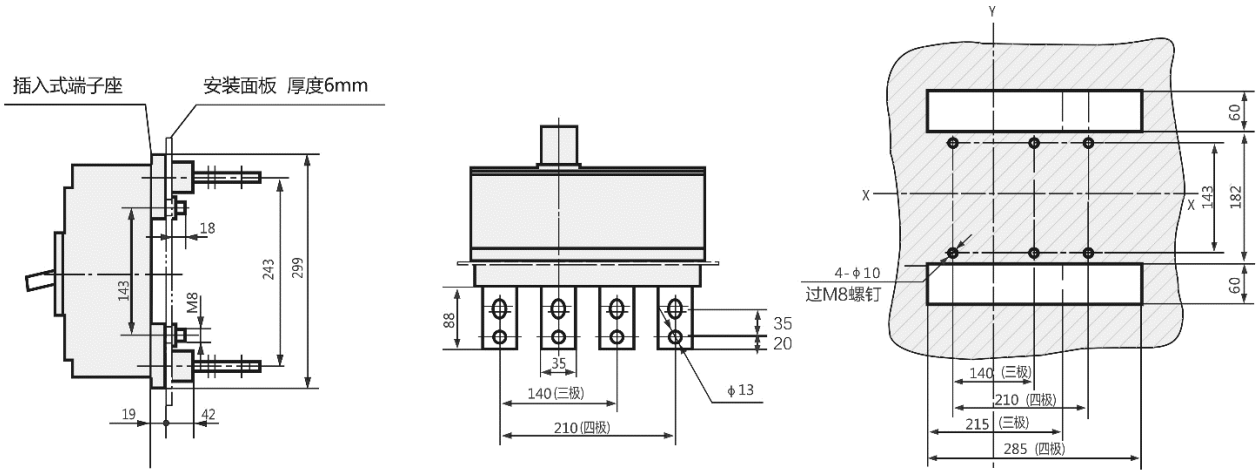
X-X, Y-Y are the centers of 3P MCCB



Dimensions

GB800 Electronic，Plug-in, Rear connection, 3P/4P

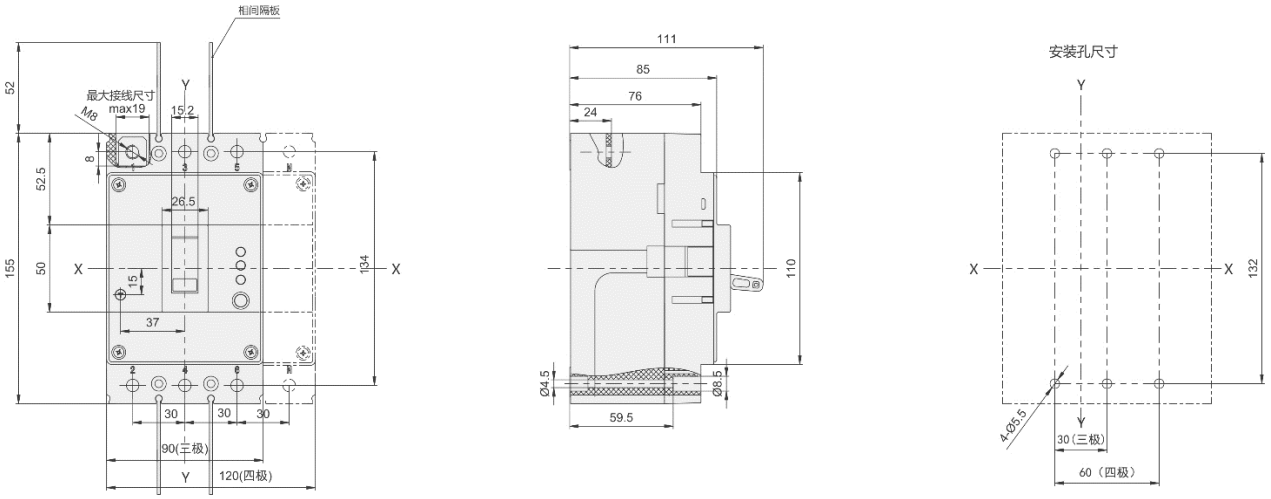
X-X, Y-Y are the centers of 3P MCCB



Dimensions

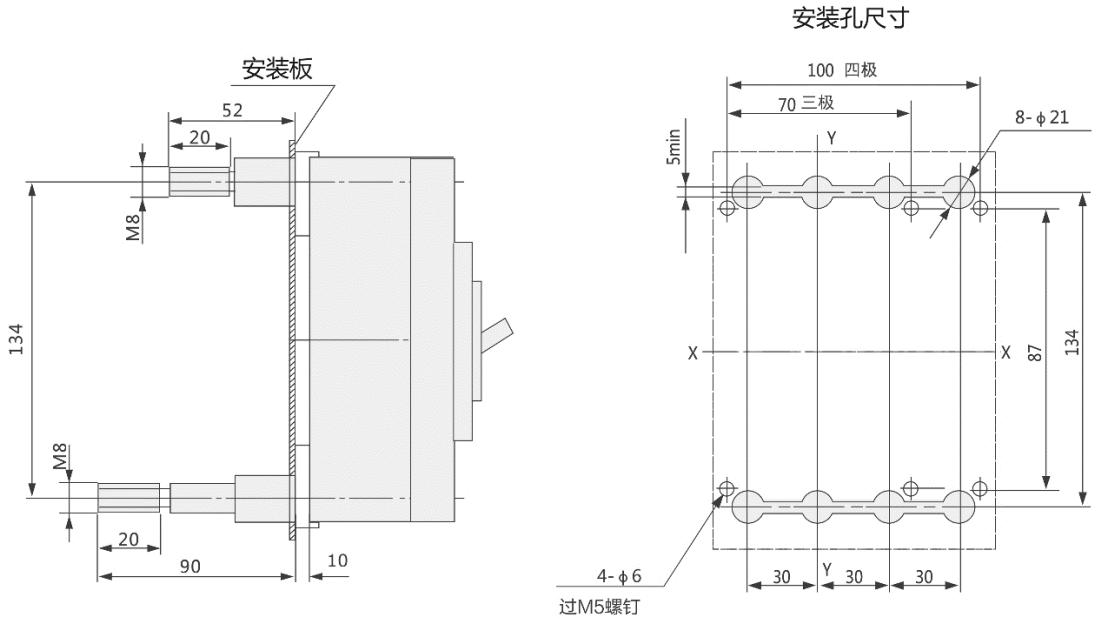
GE100 Residual current breaker，Fixed, 3P/4P

X-X, Y-Y are the centers of 3P MCCB



GE100 Residual current breaker，Fixed, Rear connection, 3P/4P

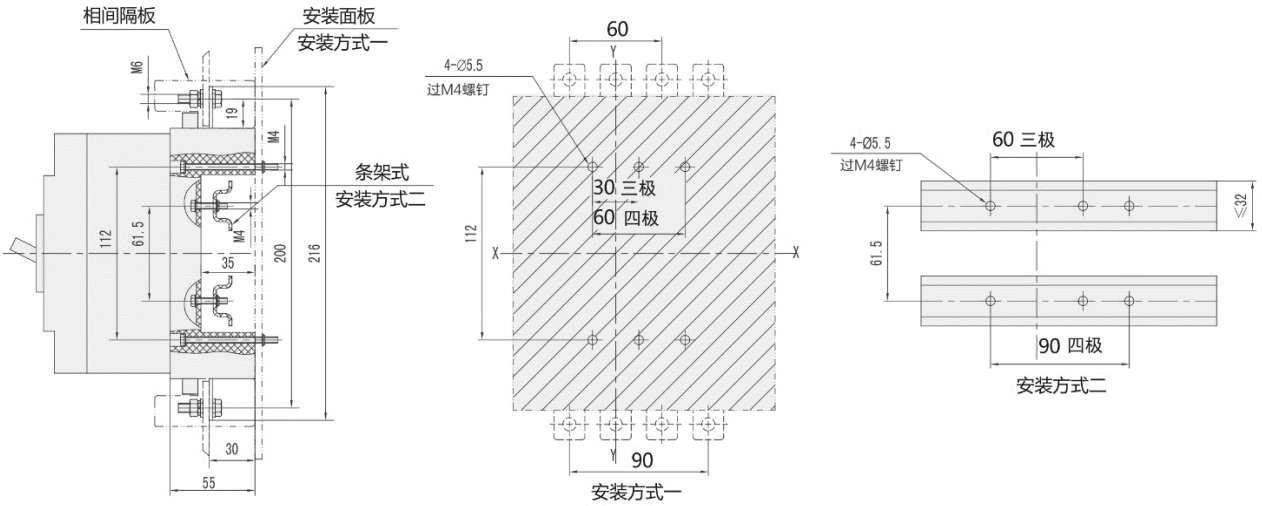
X-X, Y-Y are the centers of 3P MCCB



Dimensions

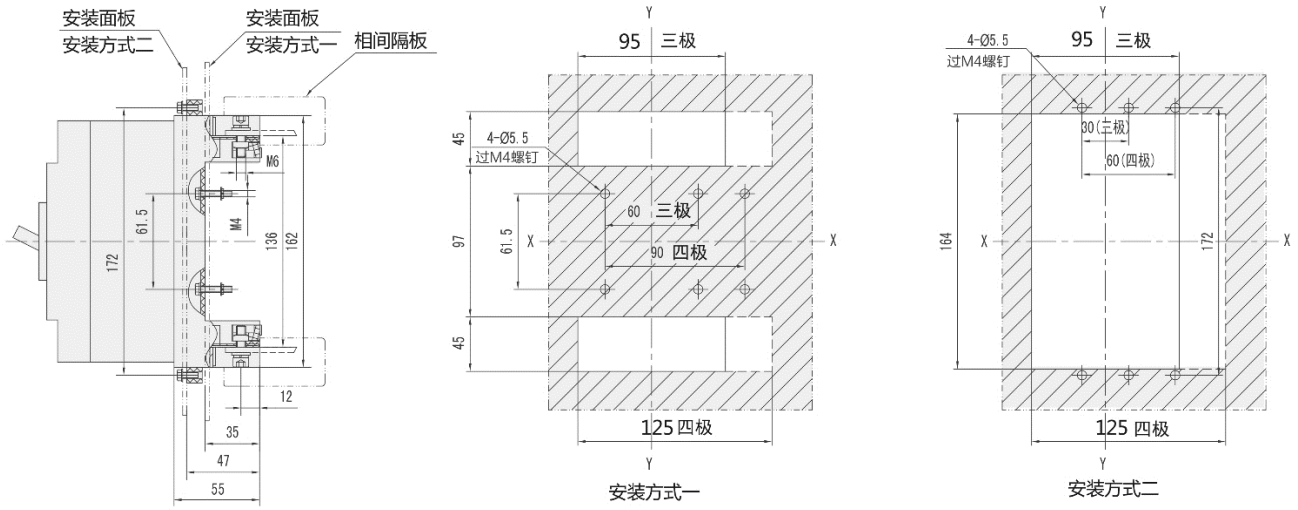
GE100 Residual current breaker，Plug-in, Front connection，3P/4P

X-X, Y-Y are the centers of 3P MCCB



GE100 Residual current breaker，Plug-in, Rear connection，3P/4P

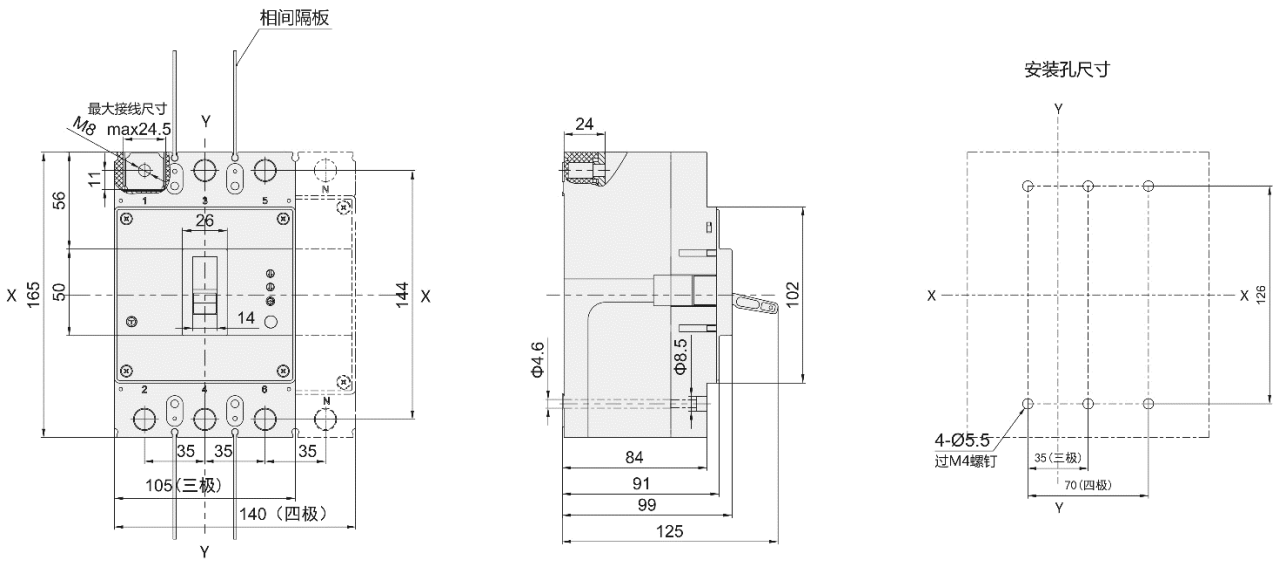
X-X, Y-Y are the centers of 3P MCCB



Dimensions

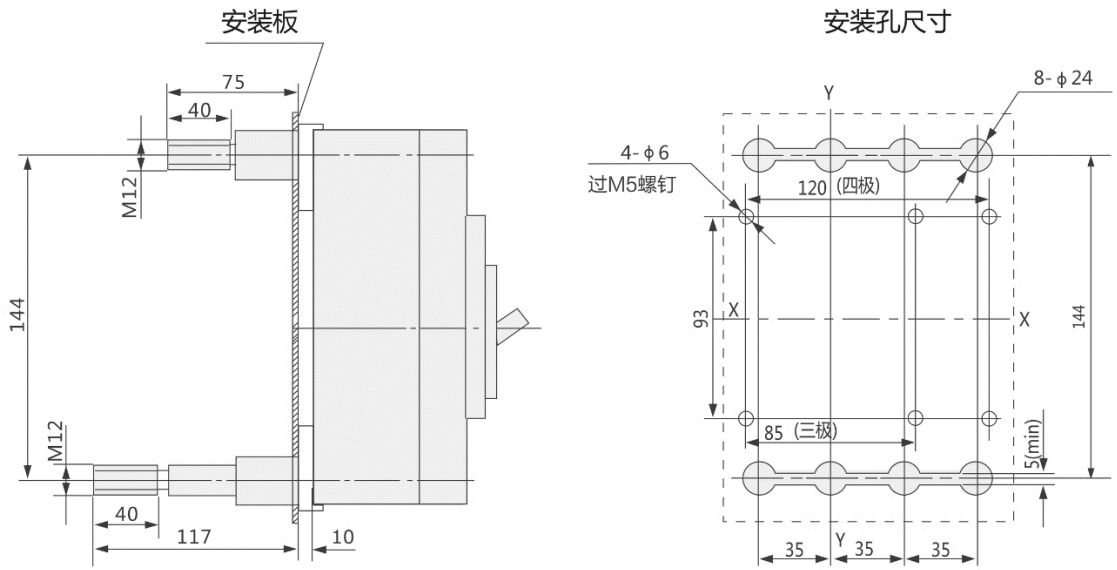
GE250 Residual current breaker，Fixed, 3P/4P

X-X, Y-Y are the centers of 3P MCCB



GE250 Residual current breaker，Fixed, Rear connection, 3P/4P

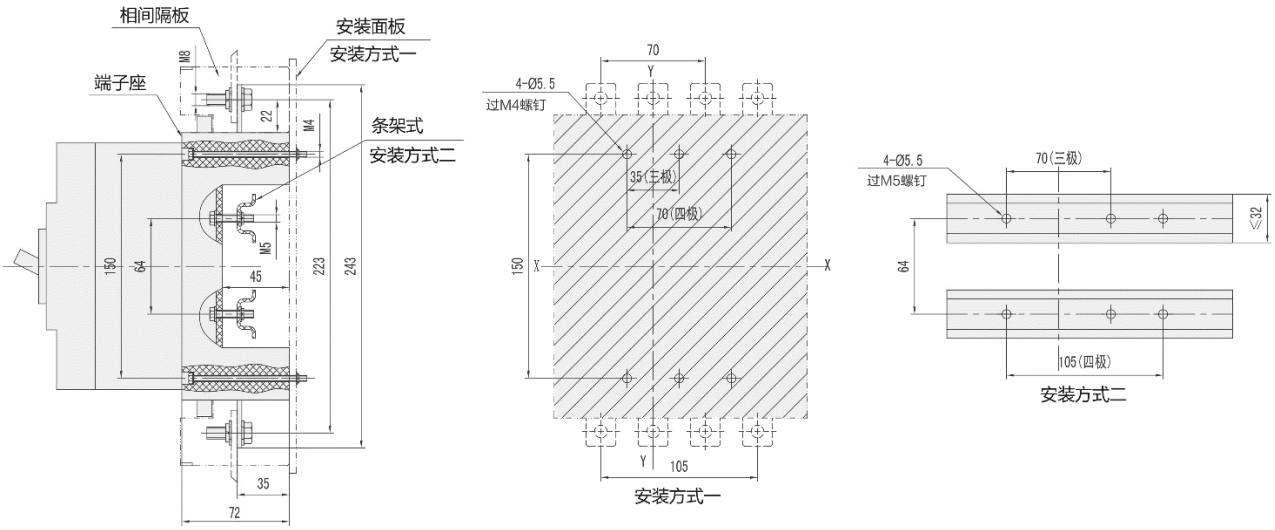
X-X, Y-Y are the centers of 3P MCCB



Dimensions

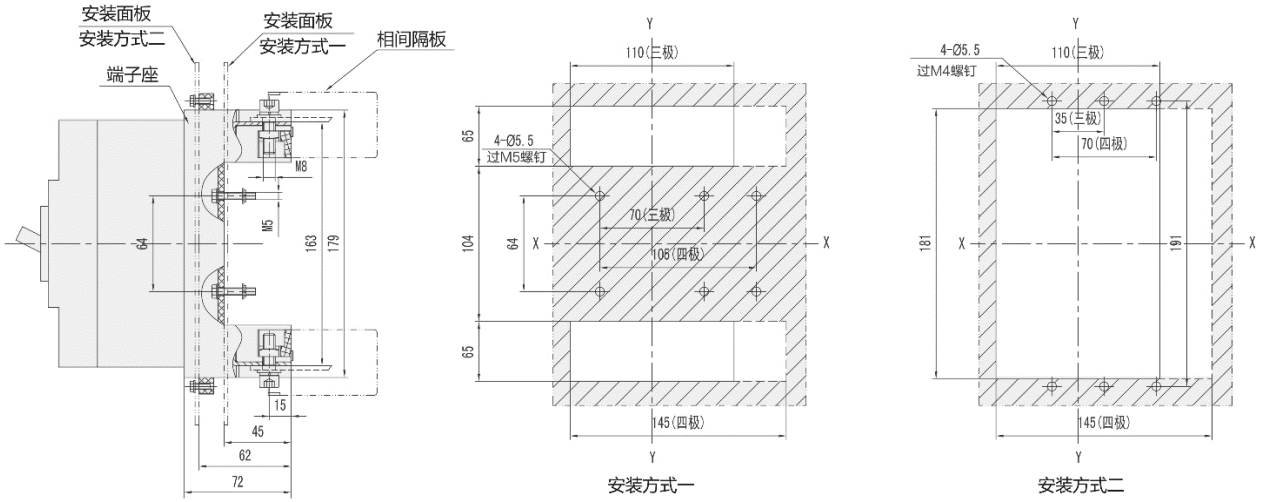
GE250 Residual current breaker，Plug-in, Front connection，3P/4P

X-X, Y-Y are the centers of 3P MCCB



GE250 Residual current breaker，Plug-in, Rear connection，3P/4P

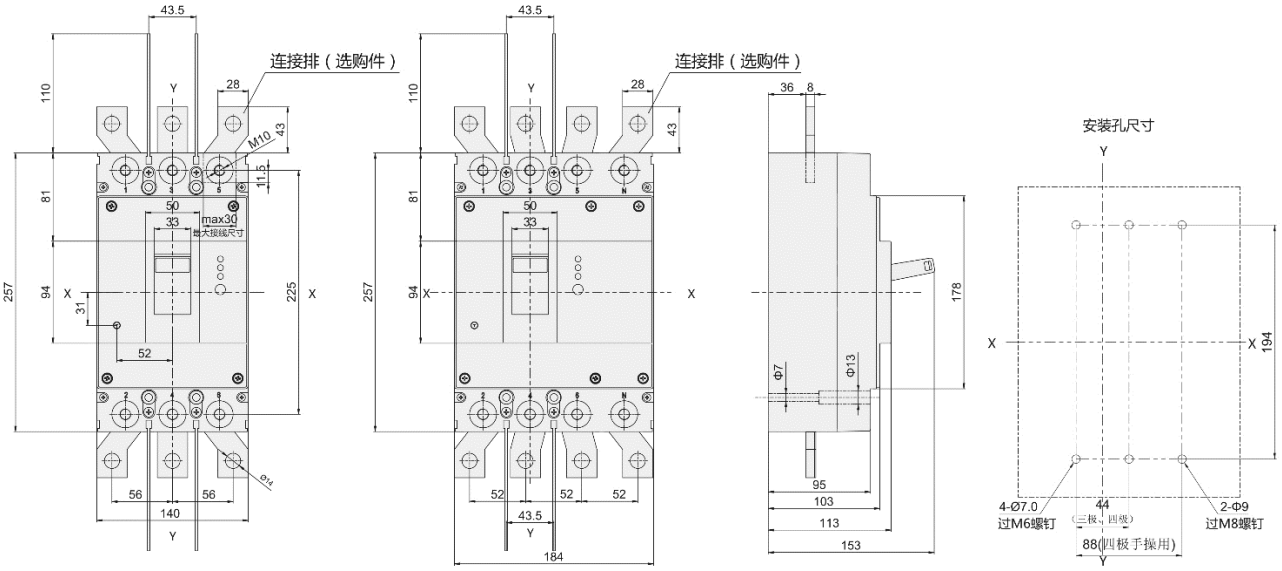
X-X, Y-Y are the centers of 3P MCCB



Dimensions

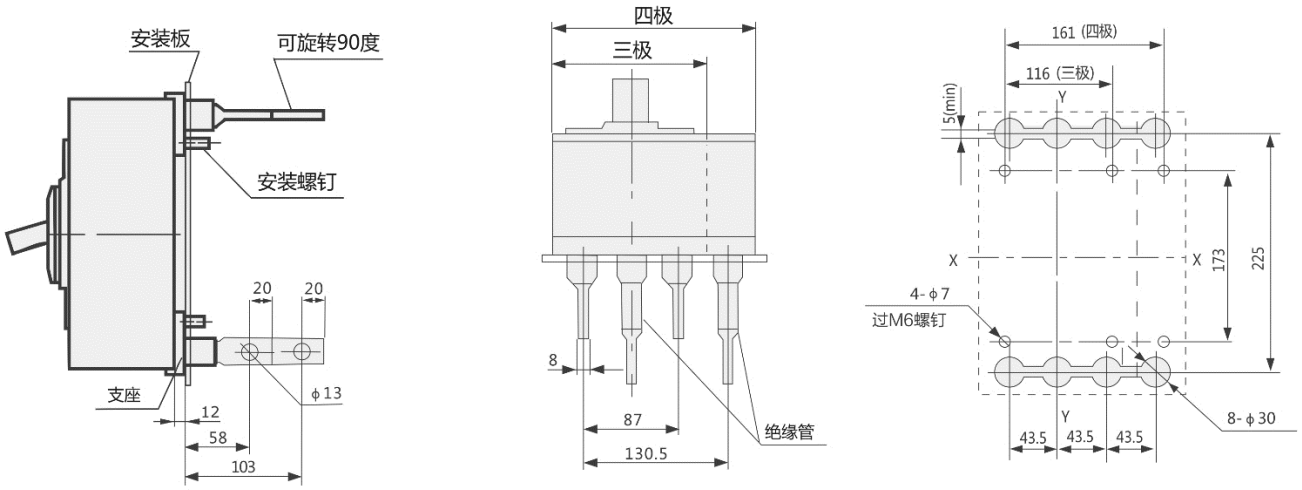
GE400 Residual current breaker，Fixed, 3P/4P

X-X, Y-Y are the centers of 3P MCCB



GE400 Residual current breaker，Fixed, Rear connection, 3P/4P

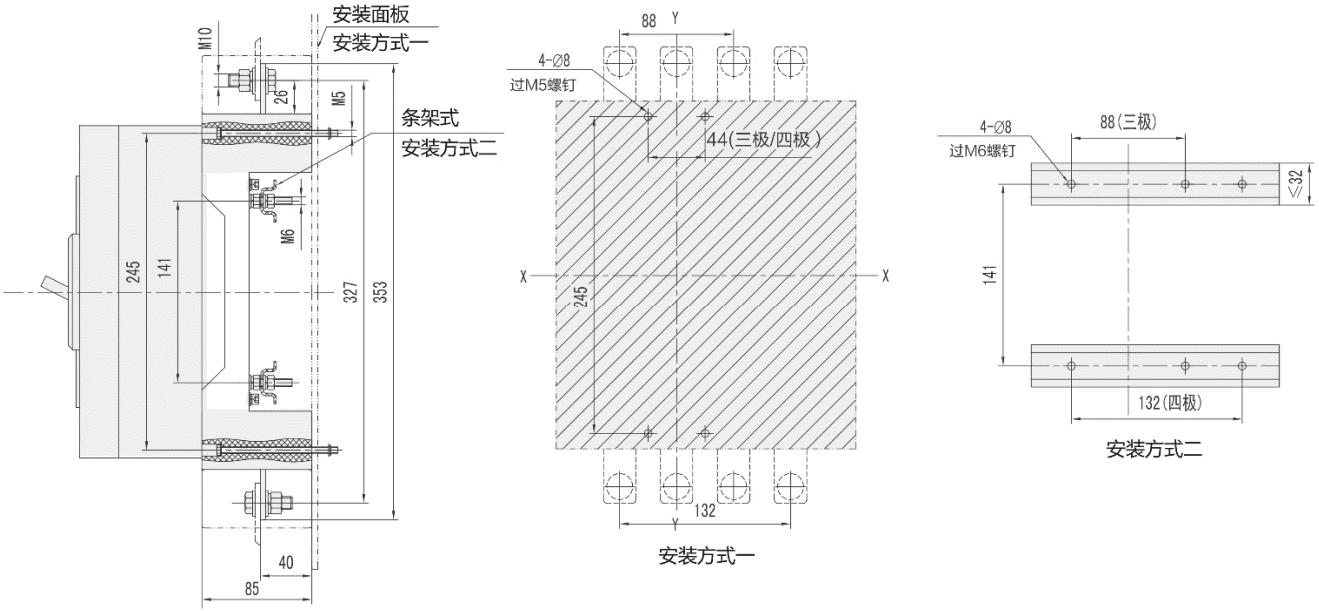
X-X, Y-Y are the centers of 3P MCCB



Dimensions

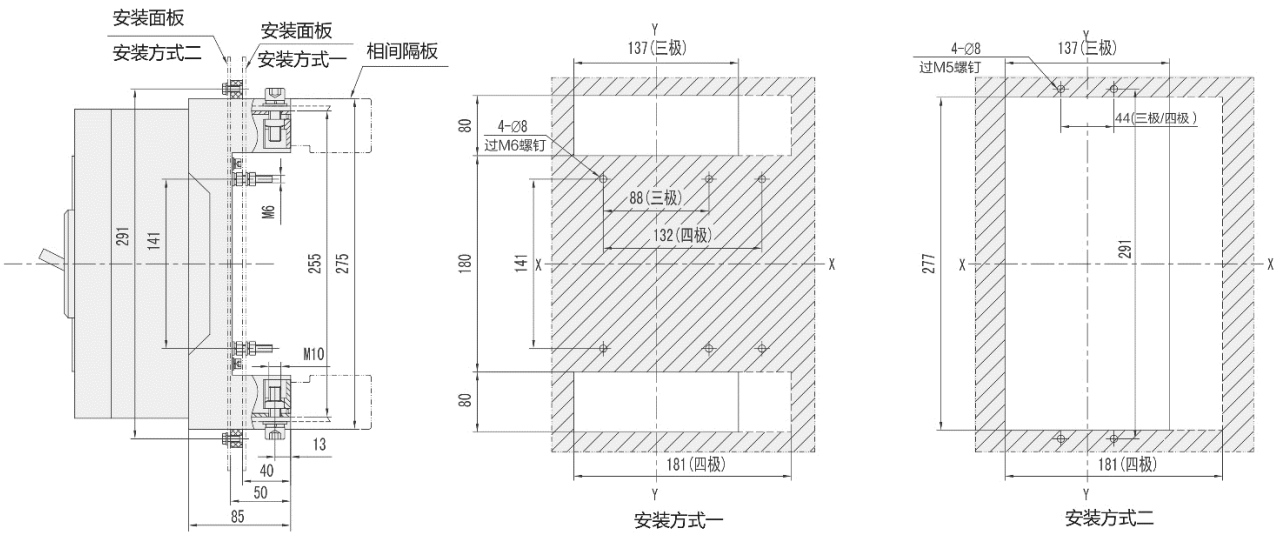
GE400 Residual current breaker，Plug-in, Front connection，3P/4P

X-X, Y-Y are the centers of 3P MCCB



GE400 Residual current breaker，Plug-in, Rear connection，3P/4P

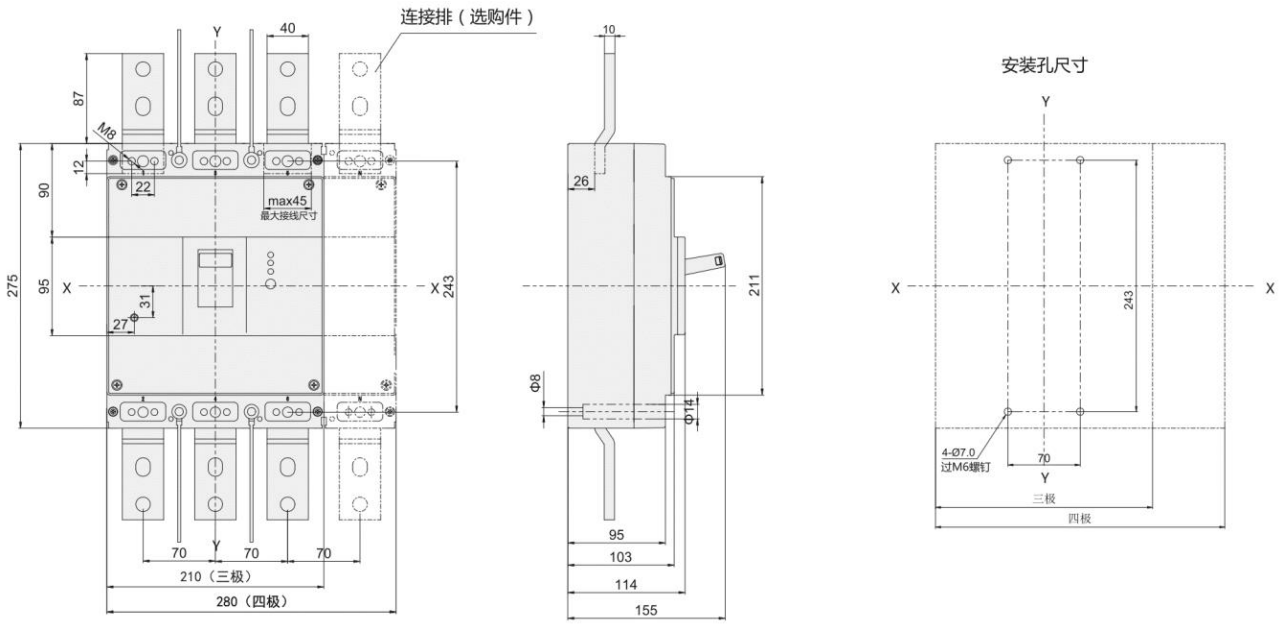
X-X, Y-Y are the centers of 3P MCCB



Dimensions

GE800 Residual current breaker，Fixed, 3P/4P

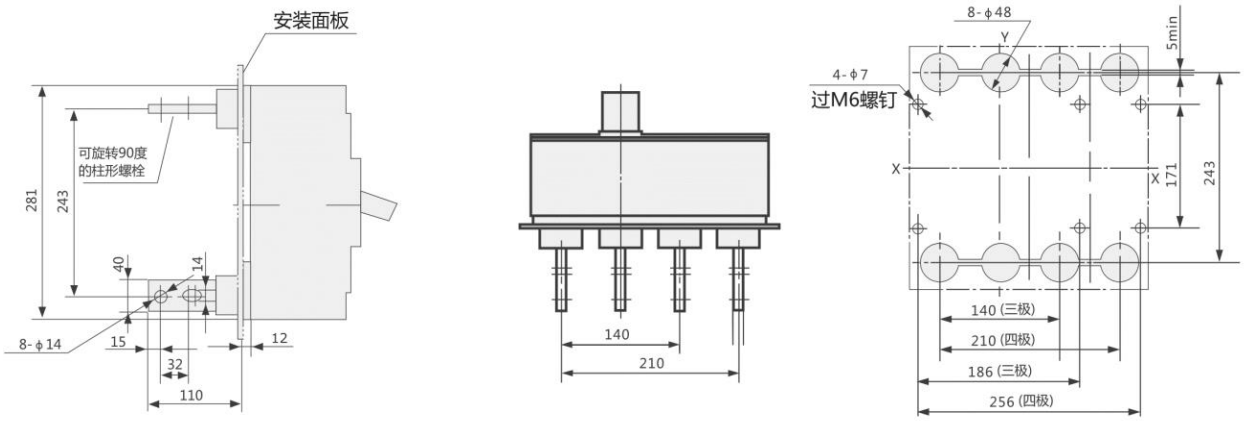
X-X, Y-Y are the centers of 3P MCCB



Note: Max. current is 700A

GE800 Residual current breaker，Fixed, Rear connection, 3P/4P

X-X, Y-Y are the centers of 3P MCCB

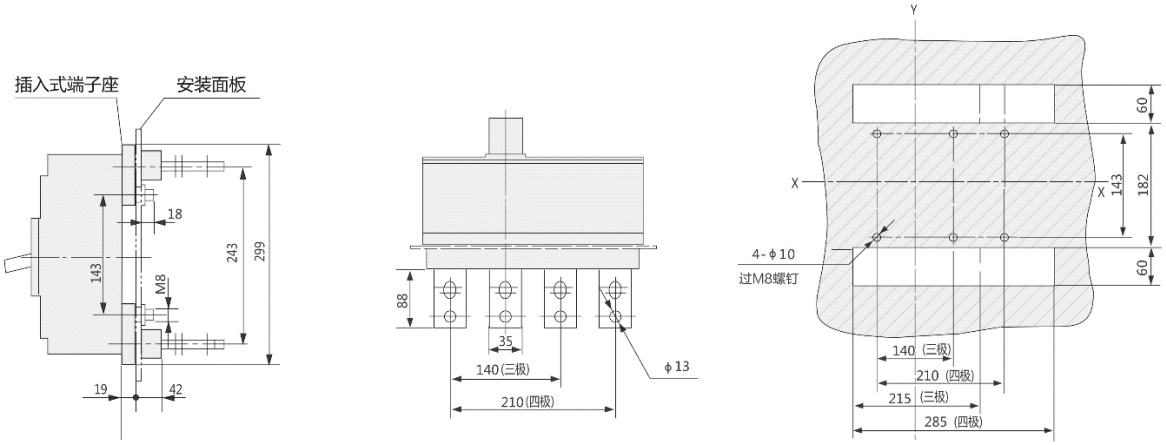


Dimensions

GE800 Residual current breaker，Plug-in, Front connection,3P/4P

X-X, Y-Y are the centers of 3P MCCB

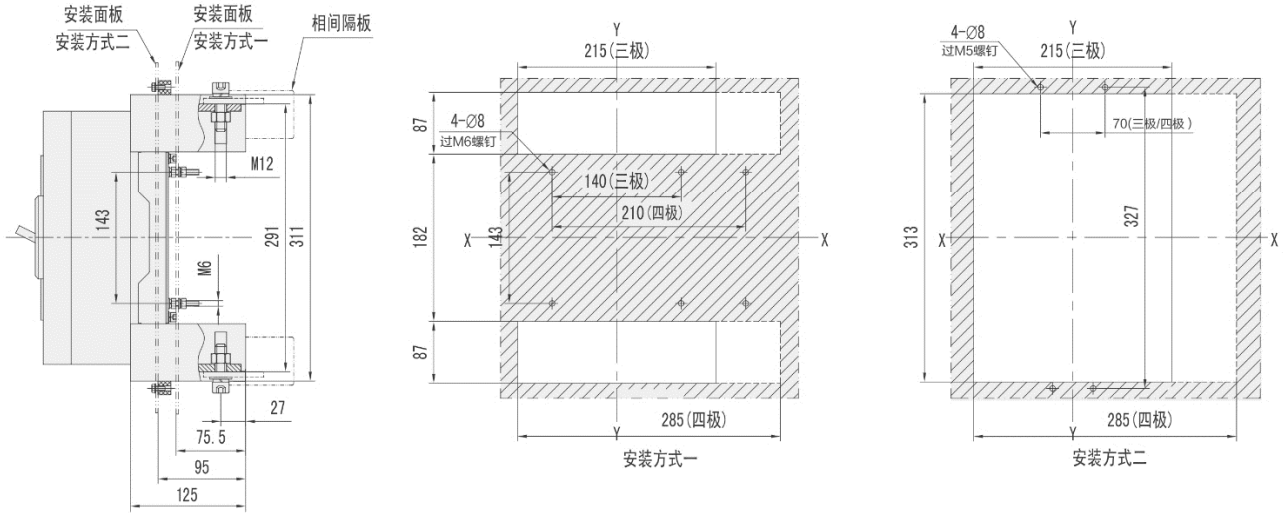
700A插入式



GE800 Residual current breaker，Plug-in, Rear connection，3P/4P

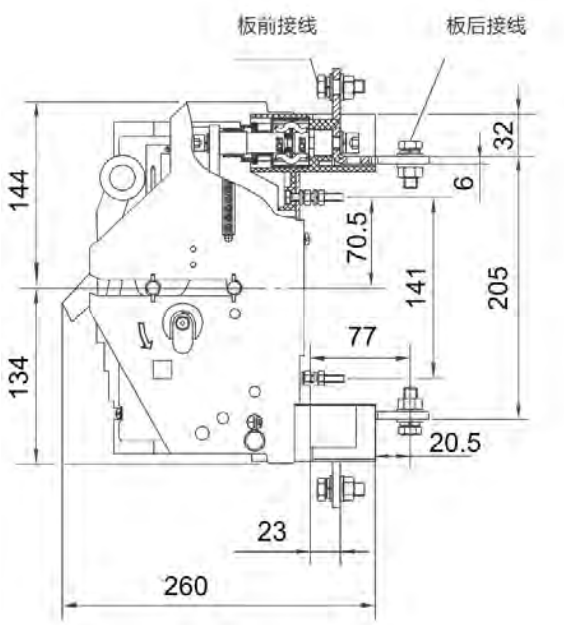
X-X, Y-Y are the centers of 3P MCCB

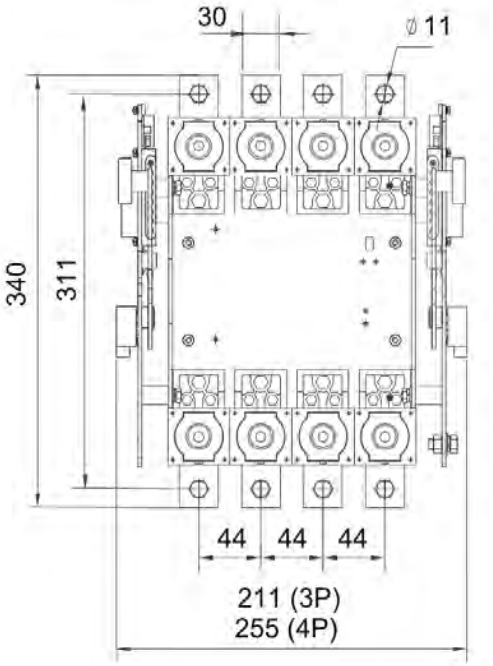
630A及以下插入式



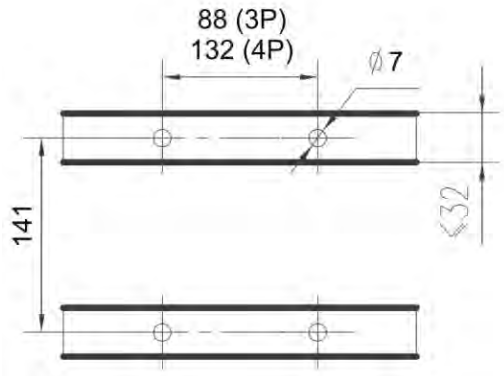
Dimensions

GB400 Base of drawer， outline size

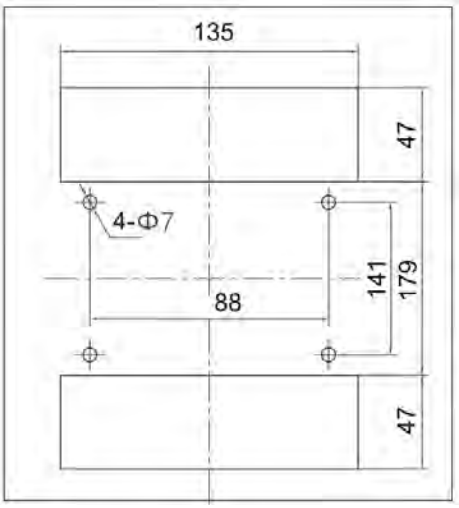




GB400 Base of drawer，installation size

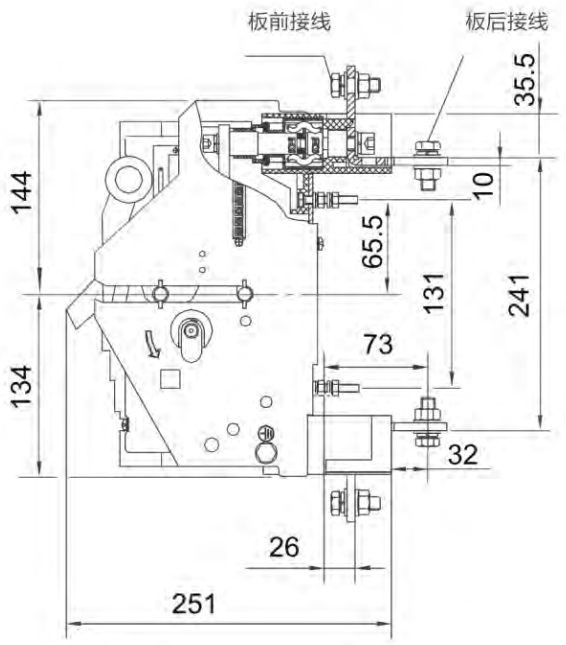


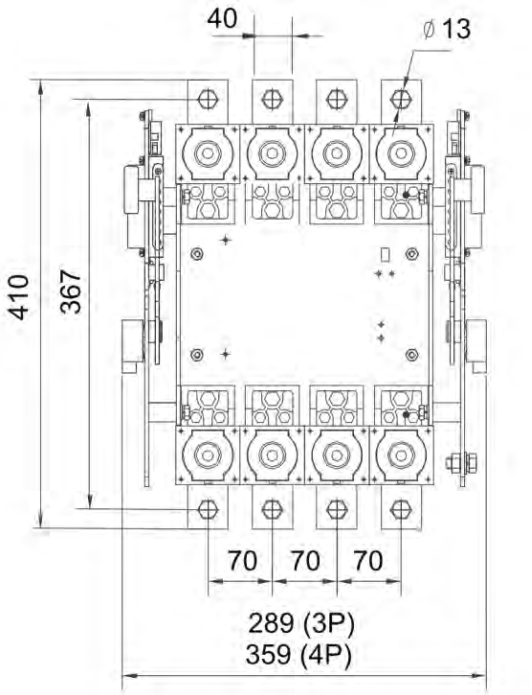
Draw-out device, rear board of the chamber, cutting and related dimensions.
(Only applicable to the outgoing line behind the board)



Dimensions

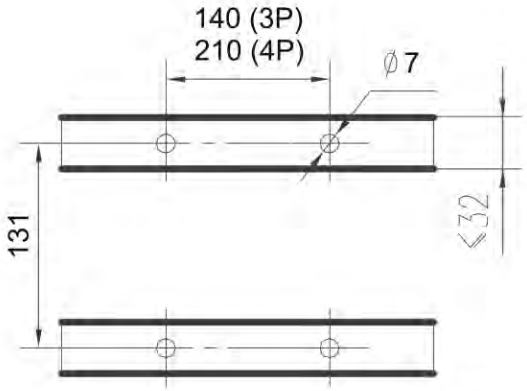
GB800 Base of drawer， outline size

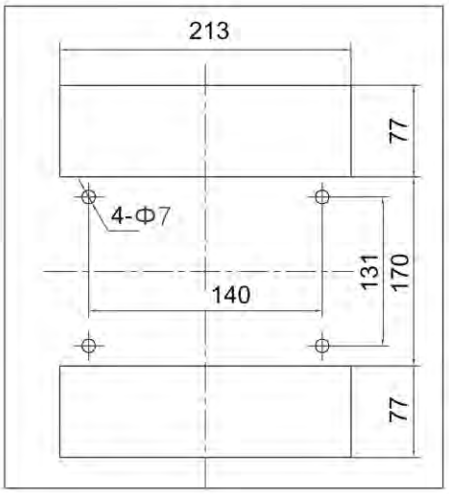




GB800Base of drawer，installation size

Draw-out device, rear board of the chamber, cutting and related dimensions.
(Only applicable to the outgoing line behind the board)





Manual operating mechanism

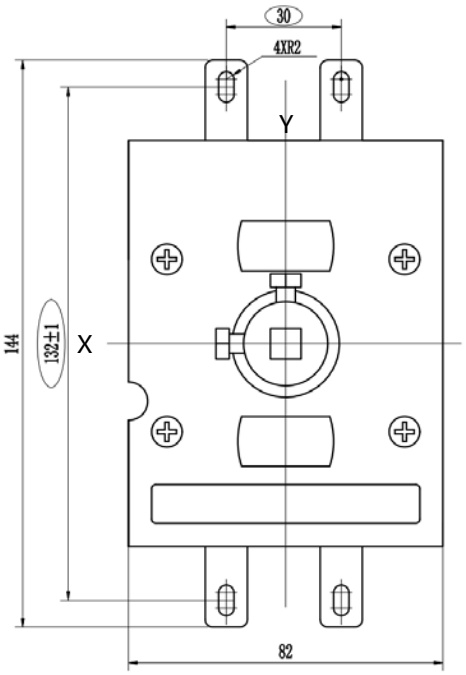
The rotating handle operating mechanism provides a center type (NFR1A) solution,

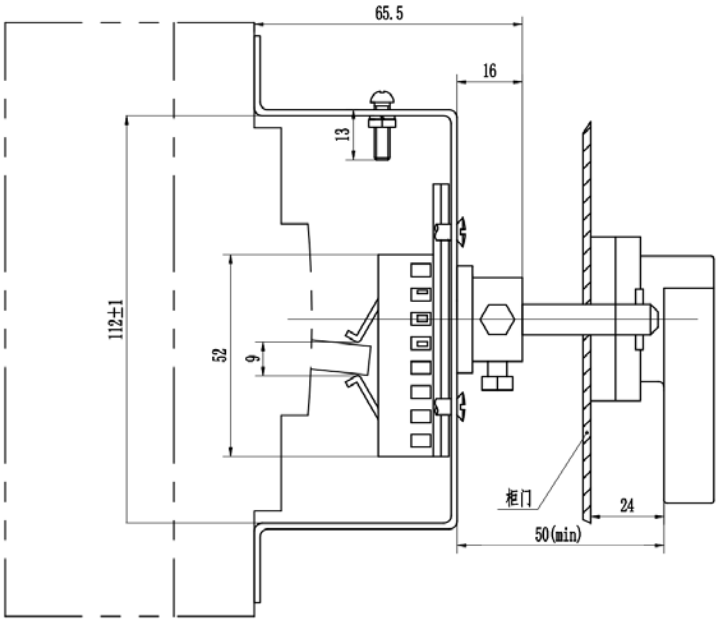
Can be equipped with R-shaped (circular) or F-shaped (square) handles.

The standard configuration for the rotating handle operation structure is a center type with a circular handle and a shaft length of 300mm.

GB125/GB160/GE100, Central type, manual operation mechanism installation size

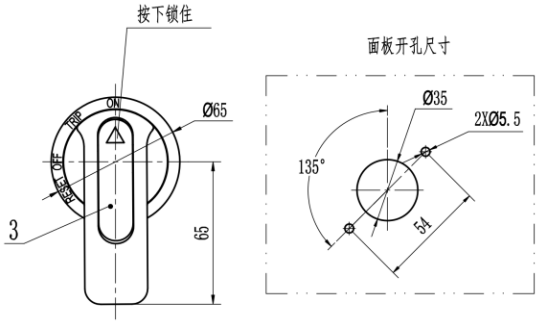
X-X, Y-Y are the centers of 3P MCCB

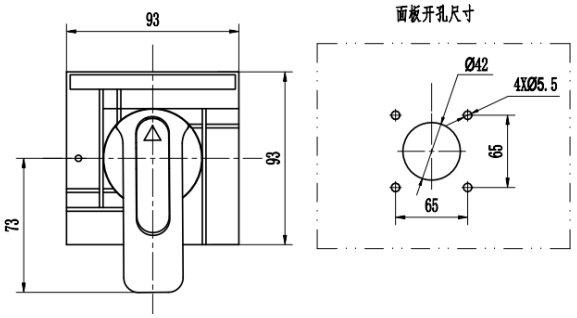




Circular handle

Square handle

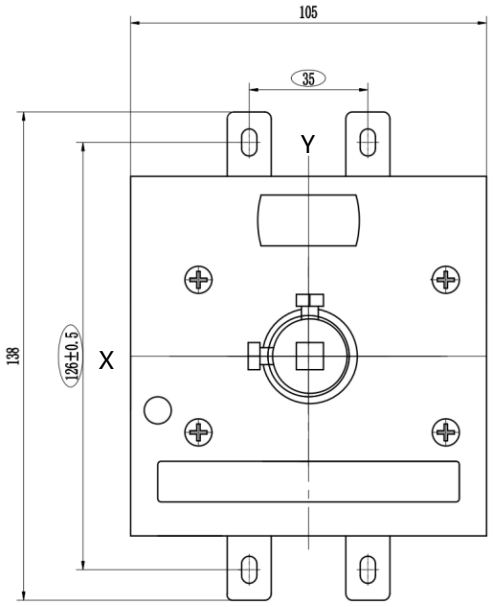


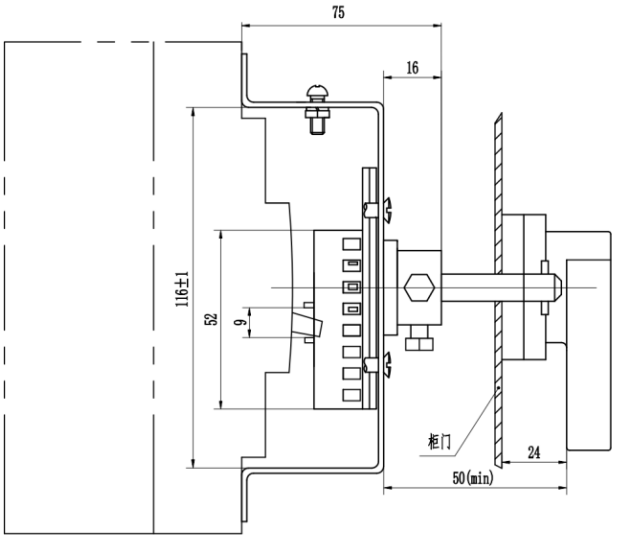


Dimensions

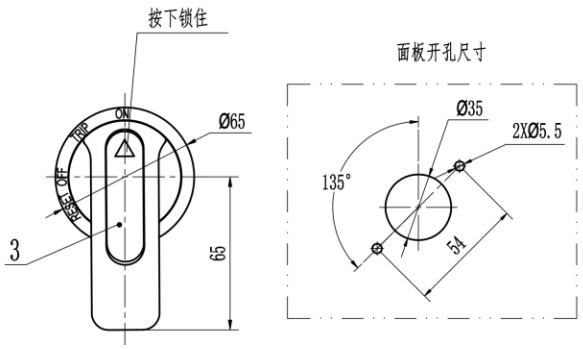
GB250/GE250,Central type, manual operation mechanism installation size

X-X, Y-Y are the centers of 3P MCCB

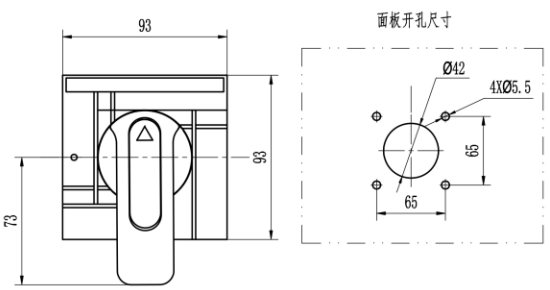




Circular handle



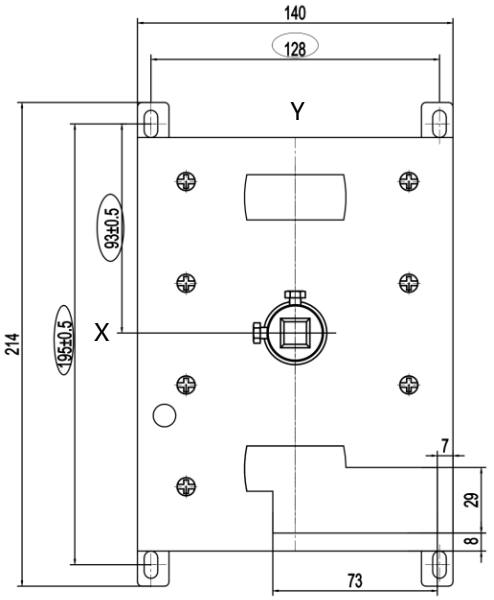
Square handle

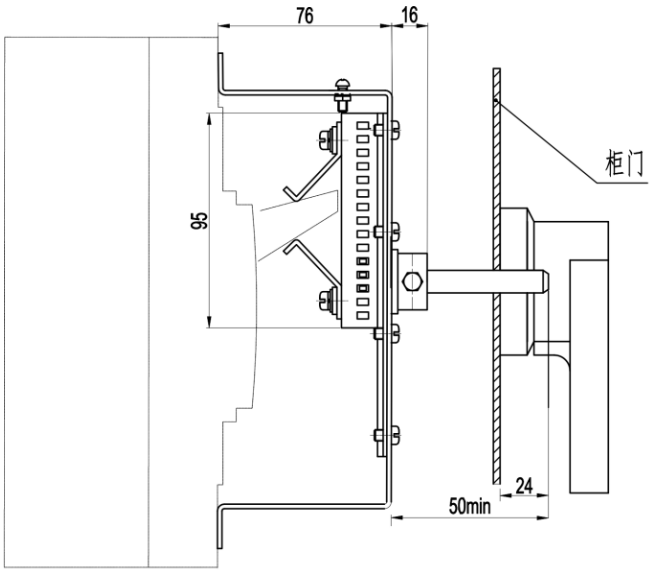


Dimensions

GB400/GE400，GB630, Central type, manual operation mechanism installation size, 3P

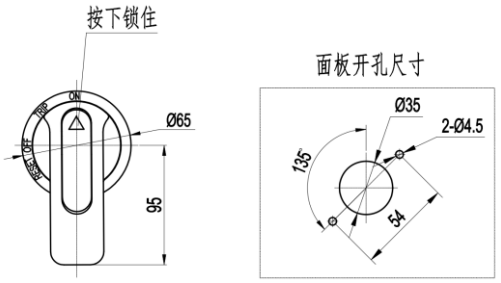
X-X, Y-Y are the centers of 3P MCCB

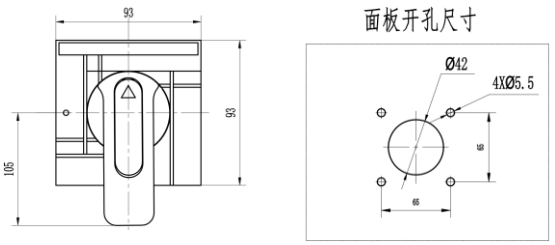




Circular handle

Square handle

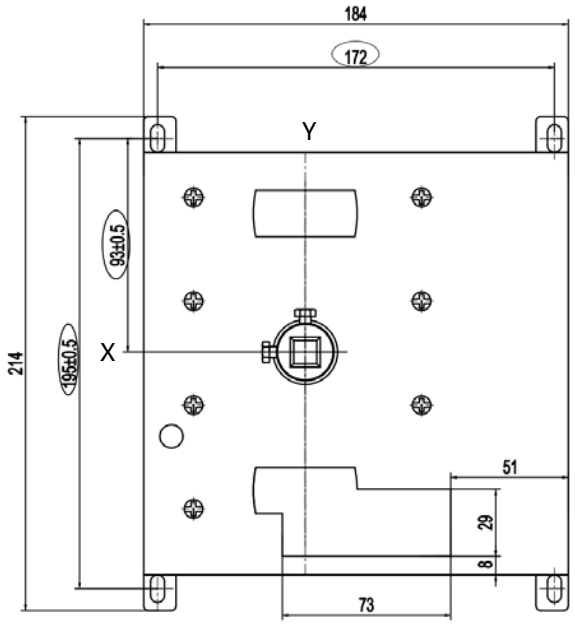


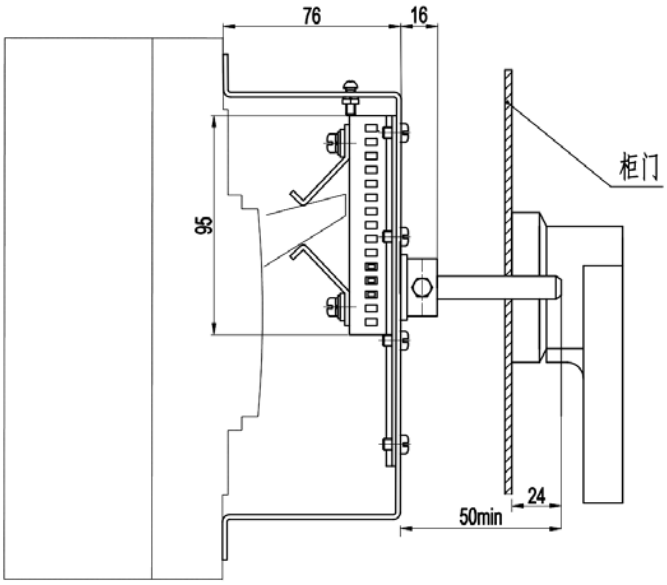


Dimensions

GB400/GE400，GB630, Central type, manual operation mechanism installation size, 4P

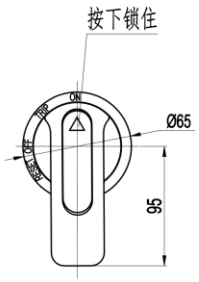
X-X, Y-Y are the centers of 3P MCCB

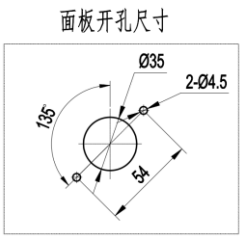


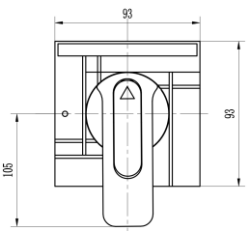


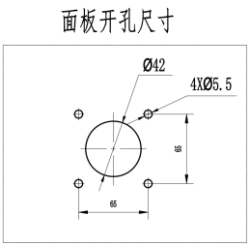
Circular handle

Square handle





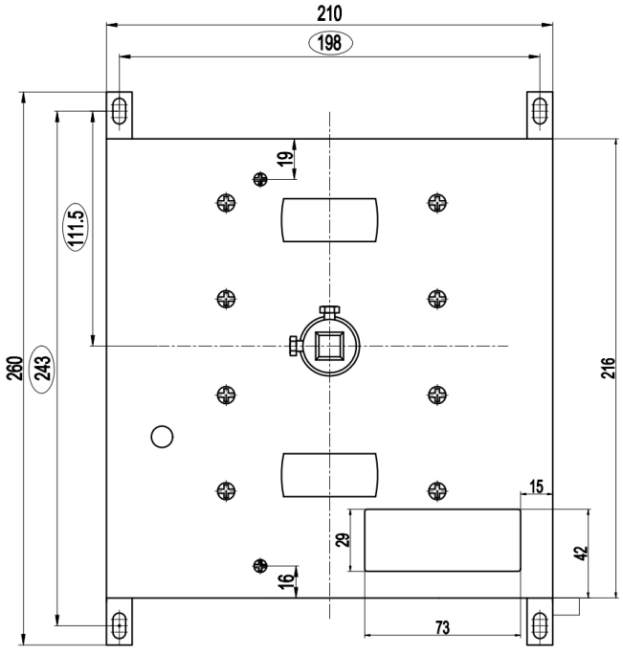


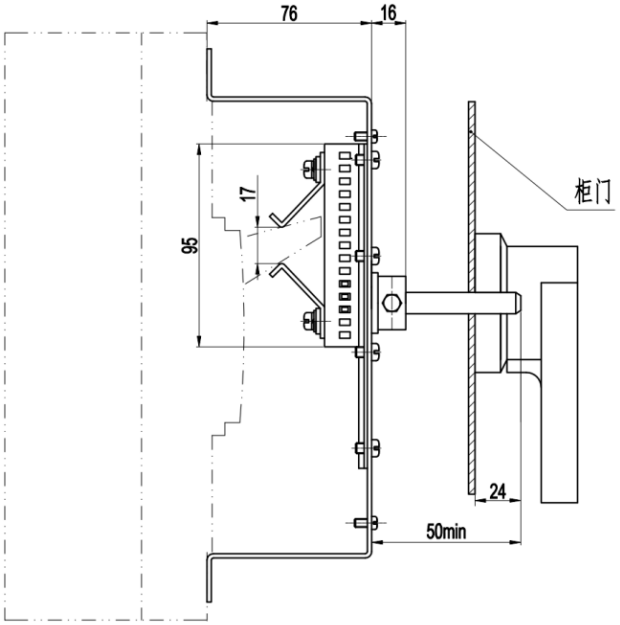


Dimensions

GB800/GE800, Central type, manual operation mechanism installation size

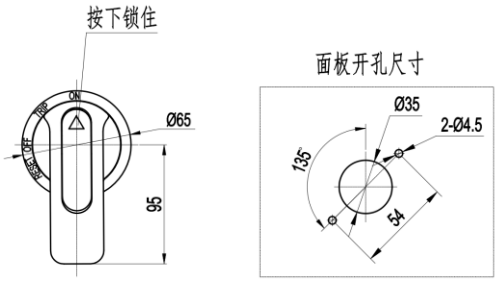
X-X, Y-Y are the centers of 3P MCCB

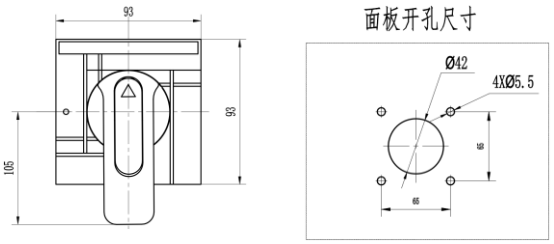




Circular handle

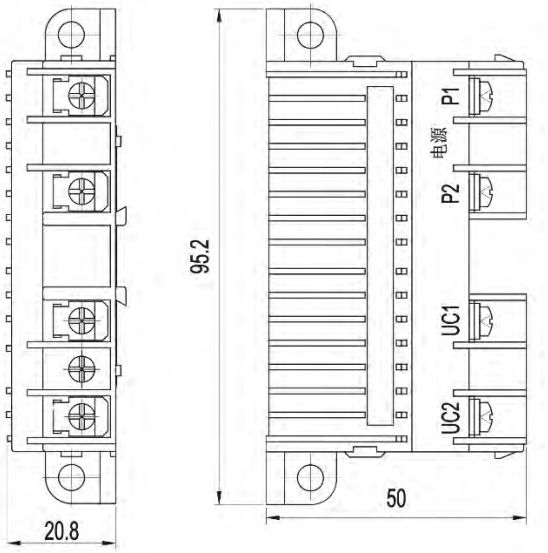
Square handle





Dimensions

Undervoltage module



Ordering Information

GB 160 Complete breaker，Thermal-Magnetic

line thermomagnetic protection TM

	In (A)	3P		4P	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
Breaking code S Icu=35kA	10	GB160S3TM010	CN065001KG	GB160S4TM010	CN065107KG
	16	GB160S3TM016	CN065002KG	GB160S4TM016	CN065108KG
	20	GB160S3TM020	CN065003KG	GB160S4TM020	CN065109KG
	25	GB160S3TM025	CN065004KG	GB160S4TM025	CN065110KG
	32	GB160S3TM032	CN065005KG	GB160S4TM032	CN065111KG
	40	GB160S3TM040	CN065006KG	GB160S4TM040	CN065112KG
	50	GB160S3TM050	CN065007KG	GB160S4TM050	CN065113KG
	63	GB160S3TM063	CN065008KG	GB160S4TM063	CN065114KG
	80	GB160S3TM080	CN065009KG	GB160S4TM080	CN065115KG
	100	GB160S3TM100	CN065010KG	GB160S4TM100	CN065116KG
	125	GB160S3TM125	CN065011KG	GB160S4TM125	CN065117KG
	140	GB160S3TM140	CN065012KG	GB160S4TM140	CN065118KG
	160	GB160S3TM160	CN065013KG	GB160S4TM160	CN065119KG
Breaking code N Icu=50kA	10	GB160N3TM010	CN065014KG	GB160N4TM010	CN065120KG
	16	GB160N3TM016	CN065015KG	GB160N4TM016	CN065121KG
	20	GB160N3TM020	CN065016KG	GB160N4TM020	CN065122KG
	25	GB160N3TM025	CN065017KG	GB160N4TM025	CN065123KG
	32	GB160N3TM032	CN065018KG	GB160N4TM032	CN065124KG
	40	GB160N3TM040	CN065019KG	GB160N4TM040	CN065125KG
	50	GB160N3TM050	CN065020KG	GB160N4TM050	CN065126KG
	63	GB160N3TM063	CN065021KG	GB160N4TM063	CN065127KG
	80	GB160N3TM080	CN065022KG	GB160N4TM080	CN065128KG
	100	GB160N3TM100	CN065023KG	GB160N4TM100	CN065129KG
	125	GB160N3TM125	CN065024KG	GB160N4TM125	CN065130KG
	140	GB160N3TM140	CN065025KG	GB160N4TM140	CN065131KG
	160	GB160N3TM160	CN065026KG	GB160N4TM160	CN065132KG

Magnetic only motor protection MC

	In (A)	3P		4P	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
Breaking code S Icu=35kA	10	GB160S3MC010	CN065327KG	GB160S4MC010	CN065396KG
	16	GB160S3MC016	CN065328KG	GB160S4MC016	CN065397KG
	20	GB160S3MC020	CN065329KG	GB160S4MC020	CN065398KG
	25	GB160S3MC025	CN065330KG	GB160S4MC025	CN065399KG
	32	GB160S3MC032	CN065331KG	GB160S4MC032	CN065400KG
	40	GB160S3MC040	CN065332KG	GB160S4MC040	CN065401KG
	50	GB160S3MC050	CN065333KG	GB160S4MC050	CN065402KG
	63	GB160S3MC063	CN065334KG	GB160S4MC063	CN065403KG
	80	GB160S3MC080	CN065335KG	GB160S4MC080	CN065404KG
	100	GB160S3MC100	CN065336KG	GB160S4MC100	CN065405KG
	125	GB160S3MC125	CN065337KG	GB160S4MC125	CN065406KG
	140	GB160S3MC140	CN065338KG	GB160S4MC140	CN065407KG
	160	GB160S3MC160	CN065339KG	GB160S4MC160	CN065408KG
Breaking code N Icu=50kA	10	GB160N3MC010	CN065340KG	GB160N4MC010	CN065409KG
	16	GB160N3MC016	CN065341KG	GB160N4MC016	CN065410KG
	20	GB160N3MC020	CN065342KG	GB160N4MC020	CN065411KG
	25	GB160N3MC025	CN065343KG	GB160N4MC025	CN065412KG
	32	GB160N3MC032	CN065344KG	GB160N4MC032	CN065413KG
	40	GB160N3MC040	CN065345KG	GB160N4MC040	CN065414KG
	50	GB160N3MC050	CN065346KG	GB160N4MC050	CN065415KG
	63	GB160N3MC063	CN065347KG	GB160N4MC063	CN065416KG
	80	GB160N3MC080	CN065348KG	GB160N4MC080	CN065417KG
	100	GB160N3MC100	CN065349KG	GB160N4MC100	CN065418KG
	125	GB160N3MC125	CN065350KG	GB160N4MC125	CN065419KG
	140	GB160N3MC140	CN065351KG	GB160N4MC140	CN065420KG
	160	GB160N3MC160	CN065352KG	GB160N4MC160	CN065421KG

Ordering Information

GB 250 Complete breaker，Thermal-Magnetic

line thermomagnetic protection TM

	In (A)	3P		4P	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
Breaking code S Icu=35kA	100	GB250S3TM100	CN065040KG	GB250S4TM100	CN065133KG
	125	GB250S3TM125	CN065041KG	GB250S4TM125	CN065134KG
	140	GB250S3TM140	CN065042KG	GB250S4TM140	CN065135KG
	160	GB250S3TM160	CN065043KG	GB250S4TM160	CN065136KG
	180	GB250S3TM180	CN065044KG	GB250S4TM180	CN065137KG
	200	GB250S3TM200	CN065045KG	GB250S4TM200	CN065138KG
	225	GB250S3TM225	CN065046KG	GB250S4TM225	CN065139KG
	250	GB250S3TM250	CN065047KG	GB250S4TM250	CN065140KG
Breaking code N Icu=50kA	100	GB250N3TM100	CN065048KG	GB250N4TM100	CN065141KG
	125	GB250N3TM125	CN065049KG	GB250N4TM125	CN065142KG
	140	GB250N3TM140	CN065050KG	GB250N4TM140	CN065143KG
	160	GB250N3TM160	CN065051KG	GB250N4TM160	CN065144KG
	180	GB250N3TM180	CN065052KG	GB250N4TM180	CN065145KG
	200	GB250N3TM200	CN065053KG	GB250N4TM200	CN065146KG
	225	GB250N3TM225	CN065054KG	GB250N4TM225	CN065147KG
	250	GB250N3TM250	CN065055KG	GB250N4TM250	CN065148KG

Magnetic only motor protection MC

	In (A)	3P		4P	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
Breaking code S Icu=35kA	100	GB250S3MC100	CN065353KG	GB250S4MC100	CN065422KG
	125	GB250S3MC125	CN065354KG	GB250S4MC125	CN065423KG
	140	GB250S3MC140	CN065355KG	GB250S4MC140	CN065424KG
	160	GB250S3MC160	CN065356KG	GB250S4MC160	CN065425KG
	180	GB250S3MC180	CN065357KG	GB250S4MC180	CN065426KG
	200	GB250S3MC200	CN065358KG	GB250S4MC200	CN065427KG
	225	GB250S3MC225	CN065359KG	GB250S4MC225	CN065428KG
	250	GB250S3MC250	CN065360KG	GB250S4MC250	CN065429KG
Breaking code N Icu=50kA	100	GB250N3MC100	CN065361KG	GB250N4MC100	CN065430KG
	125	GB250N3MC125	CN065362KG	GB250N4MC125	CN065431KG
	140	GB250N3MC140	CN065363KG	GB250N4MC140	CN065432KG
	160	GB250N3MC160	CN065364KG	GB250N4MC160	CN065433KG
	180	GB250N3MC180	CN065365KG	GB250N4MC180	CN065434KG
	200	GB250N3MC200	CN065366KG	GB250N4MC200	CN065435KG
	225	GB250N3MC225	CN065367KG	GB250N4MC225	CN065436KG
	250	GB250N3MC250	CN065368KG	GB250N4MC250	CN065437KG

Ordering Information

GB 400 Complete breaker，Thermal-Magnetic

line thermomagnetic protection TM

	In (A)	3P		4P	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
Breaking code S Icu=35kA	250	GB400S3TM250	CN065064KG	GB400S4TM250	CN065149KG
	315	GB400S3TM315	CN065065KG	GB400S4TM315	CN065150KG
	350	GB400S3TM350	CN065066KG	GB400S4TM350	CN065151KG
	400	GB400S3TM400	CN065067KG	GB400S4TM400	CN065152KG
Breaking code N Icu=50kA	250	GB400N3TM250	CN065070KG	GB400N4TM250	CN065155KG
	315	GB400N3TM315	CN065071KG	GB400N4TM315	CN065156KG
	350	GB400N3TM350	CN065072KG	GB400N4TM350	CN065157KG
	400	GB400N3TM400	CN065073KG	GB400N4TM400	CN065158KG

Magnetic only motor protection MC

	In (A)	3P		4P	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
Breaking code S Icu=35kA	250	GB400S3MC250	CN065369KG	GB400S4MC250	CN065438KG
	315	GB400S3MC315	CN065370KG	GB400S4MC315	CN065439KG
	350	GB400S3MC350	CN065371KG	GB400S4MC350	CN065440KG
	400	GB400S3MC400	CN065372KG	GB400S4MC400	CN065441KG
Breaking code N Icu=50kA	250	GB400N3MC250	CN065375KG	GB400N4MC250	CN065444KG
	315	GB400N3MC315	CN065376KG	GB400N4MC315	CN065445KG
	350	GB400N3MC350	CN065377KG	GB400N4MC350	CN065446KG
	400	GB400N3MC400	CN065378KG	GB400N4MC400	CN065447KG

Ordering Information

GB 630 Complete breaker，Thermal-Magnetic

line thermomagnetic protection TM

	In (A)	3P		4P	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
Breaking code S Icu=35kA	500	GB630S3TM500	CN065068XG	GB630S4TM500	CN065153XG
	630	GB630S3TM630	CN065069XG	GB630S4TM630	CN065154XG
Breaking code N Icu=50kA	500	GB630N3TM500	CN065074XG	GB630N4TM500	CN065159XG
	630	GB630N3TM630	CN065075XG	GB630N4TM630	CN065160XG

Magnetic only motor protection MC

	In (A)	3P		4P	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
Breaking code S Icu=35kA	500	GB630S3MC500	CN065373XG	GB630S4MC500	CN065442XG
	630	GB630S3MC630	CN065374XG	GB630S4MC630	CN065443XG
Breaking code N Icu=50kA	500	GB630N3MC500	CN065379XG	GB630N4MC500	CN065448XG
	630	GB630N3MC630	CN065380XG	GB630N4MC630	CN065449XG

GB 800 Complete breaker，Thermal-Magnetic

line thermomagnetic protection TM

	In (A)	3P		4P	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
Breaking code S Icu=35kA	630	GB800S3TM630	CN065082KG	GB800S4TM630	CN065167KG
	700	GB800S3TM700	CN065083KG	GB800S4TM700	CN065168KG
	800	GB800S3TM800	CN065084KG	GB800S4TM800	CN065169KG
Breaking code N Icu=65kA	630	GB800N3TM630	CN065085KG	GB800N4TM630	CN065170KG
	700	GB800N3TM700	CN065086KG	GB800N4TM700	CN065171KG
	800	GB800N3TM800	CN065087KG	GB800N4TM800	CN065172KG

Magnetic only motor protection MC

	In (A)	3P		4P	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
Breaking code S Icu=35kA	630	GB800S3MC630	CN065387KG	GB800S4MC630	CN065456KG
	700	GB800S3MC700	CN065388KG	GB800S4MC700	CN065457KG
	800	GB800S3MC800	CN065389KG	GB800S4MC800	CN065458KG
Breaking code N Icu=65kA	630	GB800N3MC630	CN065390KG	GB800N4MC630	CN065459KG
	700	GB800N3MC700	CN065391KG	GB800N4MC700	CN065460KG
	800	GB800N3MC800	CN065392KG	GB800N4MC800	CN065461KG

Ordering Information

GB Complete breaker，Electronic

Breaking code
N
Icu=50kA

Electronic protection, ET					
In (A)	3P		4P		
	Cat. No.	Ref.No.	Cat. No.	Ref.No.	
32	GB125N3ET032	CN065091KG	GB125N4ET032	CN065176KG	
63	GB125N3ET063	CN065092KG	GB125N4ET063	CN065177KG	
100	GB125N3ET100	CN065093KG	GB125N4ET100	CN065178KG	
125	GB125N3ET125	CN070001KG	GB125N4ET125	CN070002KG	
160	GB250N3ET160	CN065094KG	GB250N4ET160	CN065179KG	
250	GB250N3ET250	CN065099KG	GB250N4ET250	CN065184KG	
400	GB400N3ET400	CN065101KG	GB400N4ET400	CN065186KG	
630	GB630N3ET630	CN065103XG	GB630N4ET630	CN065187XG	
800	GB800N3ET800	CN065105KG	GB800N4ET800	CN065991KG	

Ordering Information

GE 100 Residual current circuit breaker

Residual current protection

	In (A)	3P		4P	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
Breaking code N Icu=50kA Type U	16	GE100N3TM016U	CN071002KG	GE100N4TM016U	CN066202KG
	20	GE100N3TM020U	CN071003KG	GE100N4TM020U	CN066203KG
	25	GE100N3TM025U	CN071004KG	GE100N4TM025U	CN066204KG
	32	GE100N3TM032U	CN071005KG	GE100N4TM032U	CN066205KG
	40	GE100N3TM040U	CN071006KG	GE100N4TM040U	CN066206KG
	50	GE100N3TM050U	CN071007KG	GE100N4TM050U	CN066207KG
	63	GE100N3TM063U	CN071008KG	GE100N4TM063U	CN066208KG
	80	GE100N3TM080U	CN071009KG	GE100N4TM080U	CN066209KG
	100	GE100N3TM100U	CN071010KG	GE100N4TM100U	CN066210KG

Breaking code N Icu=50kA Type X	16	GE100N3TM016X	CN071022KG	GE100N4TM016X	CN066228KG
	20	GE100N3TM020X	CN071023KG	GE100N4TM020X	CN066229KG
	25	GE100N3TM025X	CN071024KG	GE100N4TM025X	CN066230KG
	32	GE100N3TM032X	CN071025KG	GE100N4TM032X	CN066231KG
	40	GE100N3TM040X	CN071026KG	GE100N4TM040X	CN066232KG
	50	GE100N3TM050X	CN071027KG	GE100N4TM050X	CN066233KG
	63	GE100N3TM063X	CN071028KG	GE100N4TM063X	CN066234KG
	80	GE100N3TM080X	CN071029KG	GE100N4TM080X	CN066235KG
	100	GE100N3TM100X	CN071030KG	GE100N4TM100X	CN066236KG

Breaking code N Icu=50kA Type B	16	GE100N3TM016B	CN071012KG	GE100N4TM016B	CN071042KG
	20	GE100N3TM020B	CN071013KG	GE100N4TM020B	CN071043KG
	25	GE100N3TM025B	CN071014KG	GE100N4TM025B	CN071044KG
	32	GE100N3TM032B	CN071015KG	GE100N4TM032B	CN071045KG
	40	GE100N3TM040B	CN071016KG	GE100N4TM040B	CN071046KG
	50	GE100N3TM050B	CN071017KG	GE100N4TM050B	CN071047KG
	63	GE100N3TM063B	CN071018KG	GE100N4TM063B	CN071048KG
	80	GE100N3TM080B	CN071019KG	GE100N4TM080B	CN071049KG
	100	GE100N3TM100B	CN071020KG	GE100N4TM100B	CN071050KG

Type U：0.03A, 0.1A, 0.3A, 0.5A；Instantaneous type
Type X： 0.1A, 0.3A, 0.5A；Adjustable delay time
Type B：1A, 3A, 10A；Adjustable delay time

Ordering Information

GE 250 Residual current circuit breaker

Residual current protection	In (A)	3P		4P	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
Breaking code N Icu=50kA Type U	100	GE250N3TM100U	CN066369KG	GE250N4TM100U	CN066305KG
	125	GE250N3TM125U	CN066370KG	GE250N4TM125U	CN066306KG
	140	GE250N3TM140U	CN066371KG	GE250N4TM140U	CN066307KG
	160	GE250N3TM160U	CN066372KG	GE250N4TM160U	CN066308KG
	180	GE250N3TM180U	CN066373KG	GE250N4TM180U	CN066309KG
	200	GE250N3TM200U	CN066374KG	GE250N4TM200U	CN066310KG
	225	GE250N3TM225U	CN066375KG	GE250N4TM225U	CN066311KG
	250	GE250N3TM250U	CN066376KG	GE250N4TM250U	CN066312KG
Breaking code N Icu=50kA Type X	100	GE250N3TM100X	CN066385KG	GE250N4TM100X	CN066321KG
	125	GE250N3TM125X	CN066386KG	GE250N4TM125X	CN066322KG
	140	GE250N3TM140X	CN066387KG	GE250N4TM140X	CN066323KG
	160	GE250N3TM160X	CN066388KG	GE250N4TM160X	CN066324KG
	180	GE250N3TM180X	CN066389KG	GE250N4TM180X	CN066325KG
	200	GE250N3TM200X	CN066390KG	GE250N4TM200X	CN066326KG
	225	GE250N3TM225X	CN066391KG	GE250N4TM225X	CN066327KG
	250	GE250N3TM250X	CN066392KG	GE250N4TM250X	CN066328KG
Breaking code N Icu=50kA Type B	100	GE250N3TM100B	CN071051KG	GE250N4TM100B	CN071059KG
	125	GE250N3TM125B	CN071052KG	GE250N4TM125B	CN071060KG
	140	GE250N3TM140B	CN071053KG	GE250N4TM140B	CN071061KG
	160	GE250N3TM160B	CN071054KG	GE250N4TM160B	CN071062KG
	180	GE250N3TM180B	CN071055KG	GE250N4TM180B	CN071063KG
	200	GE250N3TM200B	CN071056KG	GE250N4TM200B	CN071064KG
	225	GE250N3TM225B	CN071057KG	GE250N4TM225B	CN071065KG
	250	GE250N3TM250B	CN071058KG	GE250N4TM250B	CN071066KG

Type U：0.03A, 0.1A, 0.3A, 0.5A；Instantaneous type
Type X： 0.1A, 0.3A, 0.5A；Adjustable delay time
Type B：1A, 3A, 10A；Adjustable delay time

Ordering Information

GE 400 Residual current circuit breaker

Residual current protection

	In (A)	3P		4P	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
Breaking code N Icu=50kA Type U	250	GE400N3TM250U	CN071067KG	GE400N4TM250U	CN071079KG
	315	GE400N3TM315U	CN071068KG	GE400N4TM315U	CN071080KG
	350	GE400N3TM350U	CN071069KG	GE400N4TM350U	CN071081KG
	400	GE400N3TM400U	CN071070KG	GE400N4TM400U	CN071082KG
Breaking code N Icu=50kA Type X	250	GE400N3TM250X	CN071075KG	GE400N4TM250X	CN071087KG
	315	GE400N3TM315X	CN071076KG	GE400N4TM315X	CN071088KG
	350	GE400N3TM350X	CN071077KG	GE400N4TM350X	CN071089KG
	400	GE400N3TM400X	CN071078KG	GE400N4TM400X	CN071090KG
Breaking code N Icu=50kA Type B	250	GE400N3TM250B	CN071071KG	GE400N4TM250B	CN071083KG
	315	GE400N3TM315B	CN071072KG	GE400N4TM315B	CN071084KG
	350	GE400N3TM350B	CN071073KG	GE400N4TM350B	CN071085KG
	400	GE400N3TM400B	CN071074KG	GE400N4TM400B	CN071086KG

GE 800 Residual current circuit breaker

Residual current protection

	In (A)	3P		4P	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
Breaking code N Icu=50kA Type U	500	GE800N3TM500U	CN071091KG	GE800N4TM500U	CN071103KG
	630	GE800N3TM630U	CN071092KG	GE800N4TM630U	CN071104KG
	700	GE800N3TM700U	CN071093KG	GE800N4TM700U	CN071105KG
Breaking code N Icu=50kA Type X	500	GE800N3TM500X	CN071099KG	GE800N4TM500X	CN071111KG
	630	GE800N3TM630X	CN071100KG	GE800N4TM630X	CN071112KG
	700	GE800N3TM700X	CN071101KG	GE800N4TM700X	CN071113KG
Breaking code N Icu=50kA Type B	500	GE800N3TM500B	CN071095KG	GE800N4TM500B	CN071107KG
	630	GE800N3TM630B	CN071096KG	GE800N4TM630B	CN071108KG
	700	GE800N3TM700B	CN071097KG	GE800N4TM700B	CN071109KG

Type U: 0.03A, 0.1A, 0.3A, 0.5A; Instantaneous type
Type X: 0.1A, 0.3A, 0.5A; Adjustable delay time
Type B: 1A, 3A, 10A; Adjustable delay time

Ordering Information

GB160 TM，GB125 Electronic，GE100 Residual current breaker, Accessories

GB160，GB125，GE100-Internal accessories		
	Cat. No.	Ref.No.
GB125/160/GE100 left auxiliary contact，1NO+1NC	GB160XFAS1L	CN072001KG
GB125/160/GE100 left double auxiliary contact，2NO+2NC	GB160XFAS2L	CN072002KG
GB125/160/GE100 left alarm contact，1NO+1NC	GB160XBAML	CN072003KG
GB125/160/GE100 left auxiliary and alarm contact，aux. 1NO+1NC and alarm 1NO+1NC	GB160XFASBAML	CN072004KG
GB125/160 right shunt release DC24V	GB160XSHTRA	CN072005KG
GB125/160 right shunt release DC110V	GB160XSHTRB	CN072006KG
GB125/160 right shunt release AC110V	GB160XSHTRE	CN072007KG
GB125/160 right shunt release AC230V	GB160XSHTRC	CN072008KG
GB125/160 right shunt release AC400V	GB160XSHTRD	CN072009KG
GB125/160 right undervoltage AC230V	GB160XUVRRB	CN072010KG
GB125/160 right undervoltage AC400V	GB160XUVRRD	CN072011KG
GE100 left shunt release DC24V	GE100XSHTLA	CN072012KG
GE100 left shunt release DC110V	GE100XSHTLB	CN072013KG
GE100 left shunt release AC230V	GE100XSHTLC	CN072014KG
GE100 left shunt release AC400V	GE100XSHTLD	CN072015KG
GE100 left undervoltage AC230V	GE100XUVRLB	CN072016KG
GE100 left undervoltage AC400V	GE100XUVRLD	CN072017KG
GB125/160/GE100 right auxiliary contact，1NO+1NC	GB160XFAS1R	CN072018KG
GB125/160/GE100 right double auxiliary contact，2NO+2NC	GB160XFAS2R	CN072019KG

GB160，GB125，GE100-External accessories		
GB125/160/GE100 Manual operating mechanism, center type, circular handle,300mm	GB160XNFR1AR	CN072020KG
GB125/160/GE100 Manual operating mechanism, center type, square handle,300mm	GB160XNFR1AF	CN072021KG
GB125/160/GE100 Rear connect terminal 3P	GB160XBRC3	CN072024KG
GB125/160/GE100 Rear connect terminal 4P	GB160XBRC4	CN072025KG
GB125/160/GE100 Pole spacing expansion terminal 3P	GB160XBSE3	CN072026KG
GB125/160/GE100 Pole spacing expansion terminal 4P	GB160XBSE4	CN072027KG
GB125/160/GE100 Plug-in base, rear connect 3P	GB160XDDF3	CN072028KG
GB125/160/GE100 Plug-in base, rear connect 4P	GB160XDDF4	CN072029KG
GB125/160/GE100 Plug-in base, front connect 3P	GB160XDDF3/F	CN072030KG
GB125/160/GE100 Plug-in base, front connect 4P	GB160XDDF4/F	CN072031KG

Note: 1) Internal accessories such as shunt, auxiliary, alarm, undervoltage, etc. need to be ordered together with the circuit breaker body and shipped after assembly in the factory;

Ordering Information

GB250 TM，GB250 Electronic，GE250 Residual current breaker, Accessories

GB250，GE250-Internal accessories		
	Cat. No.	Ref.No.
GB/GE250 left auxiliary contact，1NO+1NC	GB250XFAS1L	CN072032KG
GB/GE250 left double auxiliary contact，2NO+2NC	GB250XFAS2L	CN072033KG
GB/GE250 left alarm contact，1NO+1NC	GB250XBAML	CN072034KG
GB/GE250 left auxiliary and alarm contact，aux. 1NO+1NC and alarm 1NO+1NC	GB250XFASBAML	CN072035KG
GB250 right shunt release DC24V	GB250XSHTRA	CN072036KG
GB250 right shunt release DC110V	GB250XSHTRB	CN072037KG
GB250 right shunt release AC110V	GB250XSHTRE	CN072038KG
GB250 right shunt release AC230V	GB250XSHTRC	CN072039KG
GB250 right shunt release AC400V	GB250XSHTRD	CN072040KG
GB250 right undervoltage230V	GB250XUVRRB	CN072041KG
GB250 right undervoltage400V	GB250XUVRRD	CN072042KG
GE250 left shunt release DC24V	GE250XSHTLA	CN072043KG
GE250 left shunt release DC110V	GE250XSHTLB	CN072044KG
GE250 left shunt release AC230V	GE250XSHTLC	CN072045KG
GE250 left shunt release AC400V	GE250XSHTLD	CN072046KG
GE250 left undervoltage AC230V	GE250XUVRLB	CN072047KG
GE250 left undervoltage AC400V	GE250XUVRLD	CN072048KG
GB/GE250 right auxiliary contact，1NO+1NC	GB250XFAS1R	CN072049KG
GB/GE250 right double auxiliary contact，2NO+2NC	GB250XFAS2R	CN072050KG

GB250，GE250-External accessories		
GB/GE250 Manual operating mechanism, center type, circular handle,300mm	GB250XNFR1AR	CN072051KG
GB/GE250 Manual operating mechanism, center type, square handle,300mm	GB250XNFR1AF	CN072052KG
GB/GE250 Rear connect terminal 3P	GB250XBRC3	CN072055KG
GB/GE250 Rear connect terminal 4P	GB250XBRC4	CN072056KG
GB/GE250 Straight terminal 3P	GB250XBSS3	CN072057KG
GB/GE250 Straight terminal 4P	GB250XBSS4	CN072058KG
GB/GE250 Pole spacing expansion terminal 3P	GB250XBSE3	CN072059KG
GB/GE250 Pole spacing expansion terminal 4P	GB250XBSE4	CN072060KG
GB/GE250 Plug-in base, rear connect 3P	GB250XDDF3	CN072061KG
GB/GE250 Plug-in base, rear connect 4P	GB250XDDF4	CN072062KG
GB/GE250 Plug-in base, front connect 3P	GB250XDDF3/F	CN072063KG
GB/GE250 Plug-in base, front connect 4P	GB250XDDF4/F	CN072064KG

Note: 1) Internal accessories such as shunt, auxiliary, alarm, undervoltage, etc. need to be ordered together with the circuit breaker body and shipped after assembly in the factory;

Ordering Information

GB400 TM，GB400 Electronic，GE400 Residual current breaker, Accessories

GB400，GE400-Internal accessories		
	Cat. No.	Ref.No.
GB/GE400/630/800 auxiliary contact，1NO+1NC	GB400XFAS1L	CN072065KG
GB/GE400/630/800 double auxiliary contact，2NO+2NC	GB400XFAS2L	CN072066KG
GB/GE400/630/800 alarm contact，1NO+1NC	GB400XBAML	CN072067KG
GB/GE400/630/800 auxiliary and alarm contact，aux. 1NO+1NC and alarm 1NO+1NC	GB400XFASBAML	CN072068KG
GB/GE400/630/800 shunt release DC24V	GB400XSHTLA	CN072069KG
GB/GE400/630/800 shunt release DC110V	GB400XSHTLB	CN072070KG
GB/GE400/630/800 shunt release AC110V	GB400XSHTLE	CN072071KG
GB/GE400/630/800 shunt release AC230V	GB400XSHTLC	CN072072KG
GB/GE400/630/800 shunt release AC400V	GB400XSHTLD	CN072073KG
GB/GE400/630/800 undervoltage 230V	GB400XUVRRB	CN072074KG
GB/GE400/630/800 undervoltage 400V	GB400XUVRRD	CN072075KG

GB400，GE400-External accessories		
GB/GE400 Manual operating mechanism, center type, circular handle, 300mm 3P	GB400XNFR1AR	CN072076KG
GB/GE400 Manual operating mechanism, center type, square handle, 300mm 3P	GB400XNFR1AF	CN072077KG
GB/GE400 Manual operating mechanism, center type, circular handle, 300mm 4P	GB400XNFR1AR4	CN072121KG
GB/GE400 Manual operating mechanism, center type, square handle, 300mm 4P	GB400XNFR1AF4	CN072122KG
GB/GE400 Rear connect terminal 3P	GB400XBRC3	CN072080KG
GB/GE400 Rear connect terminal 4P	GB400XBRC4	CN072081KG
GB/GE400 Straight terminal 3P	GB400XBSS3	CN072082KG
GB/GE400 Straight terminal 4P	GB400XBSS4	CN072083KG
GB/GE400 Pole spacing expansion terminal 3P	GB400XBSE3	CN072084KG
GB/GE400 Pole spacing expansion terminal 4P	GB400XBSE4	CN072085KG
GB/GE400 Plug-in base, rear connect 3P	GB400XDDF3	CN072086KG
GB/GE400 Plug-in base, rear connect 4P	GB400XDDF4	CN072087KG
GB/GE400 Plug-in base, front connect 3P	GB400XDDF3/F	CN072088KG
GB/GE400 Plug-in base, front connect 4P	GB400XDDF4/F	CN072089KG
GB400 Draw-out base, rear connect 3P	GB400WB3	CN072090KG
GB400 Draw-out base, rear connect 4P	GB400WB4	CN072091KG
GB400 Draw-out base, front connect 3P	GB400WB3/F	CN072092KG

Note: 1) Internal accessories such as shunt, auxiliary, alarm, undervoltage, etc. need to be ordered together with the circuit breaker body and shipped after assembly in the factory;

2) The alarm and auxiliary alarm of GB400 frame only support installation on the left side.

Ordering Information

GB630 TM，GB630 Electronic breaker, Accessories

GB630-Internal accessories		
	Cat. No.	Ref.No.
GB/GE400/630/800 auxiliary contact，1NO+1NC	GB400XFAS1L	CN072065KG
GB/GE400/630/800 double auxiliary contact，2NO+2NC	GB400XFAS2L	CN072066KG
GB/GE400/630/800 alarm contact，1NO+1NC	GB400XBAML	CN072067KG
GB/GE400/630/800 auxiliary and alarm contact，aux. 1NO+1NC and alarm 1NO+1NC	GB400XFASBAML	CN072068KG
GB/GE400/630/800 shunt release DC24V	GB400XSHTLA	CN072069KG
GB/GE400/630/800 shunt release DC110V	GB400XSHTLB	CN072070KG
GB/GE400/630/800 shunt release AC110V	GB400XSHTLE	CN072071KG
GB/GE400/630/800 shunt release AC230V	GB400XSHTLC	CN072072KG
GB/GE400/630/800 shunt release AC400V	GB400XSHTLD	CN072073KG
GB/GE400/630/800 undervoltage 230V	GB400XUVRRB	CN072074KG
GB/GE400/630/800 undervoltage 400V	GB400XUVRRD	CN072075KG

GB630-External accessories		
GB630 Manual operating mechanism, center type, circular handle,300mm 3P	GB400XNFR1AR	CN072076KG
GB630 Manual operating mechanism, center type, square handle,300mm 3P	GB400XNFR1AF	CN072077KG
GB630 Manual operating mechanism, center type, circular handle,300mm 4P	GB400XNFR1AR4	CN072121KG
GB630 Manual operating mechanism, center type, square handle,300mm 4P	GB400XNFR1AF4	CN072122KG
GB630 Rear connect terminal 3P	GB630XBRC3	CN072093XG
GB630 Rear connect terminal 4P	GB630XBRC4	CN072094XG
GB630 Straight terminal 3P	GB630XBSS3	CN072095XG
GB630 Straight terminal 4P	GB630XBSS4	CN072096XG
GB630 Pole spacing expansion terminal 3P	GB630XBSE3	CN072141XG
GB630 Pole spacing expansion terminal 4P	GB630XBSE4	CN072142XG
GB630 Plug-in base, rear connect 3P	GB630XDDF3	CN072099XG
GB630 Plug-in base, rear connect 4P	GB630XDDF4	CN072100XG
GB630 Plug-in base, front connect 3P	GB630XDDF3/F	CN072101XG
GB630 Plug-in base, front connect 4P	GB630XDDF4/F	CN072102XG

Note: 1) Internal accessories such as shunt, auxiliary, alarm, undervoltage, etc. need to be ordered together with the circuit breaker body and shipped after assembly in the factory;

2) The alarm and auxiliary alarm of GB630 frame only support installation on the left side.

Ordering Information

GB800 TM，GB800 Electronic，GE800 Residual current breaker, Accessories

GB800，GE800-Internal accessories		
	Cat. No.	Ref.No.
GB/GE400/630/800 auxiliary contact，1NO+1NC	GB400XFAS1L	CN072065KG
GB/GE400/630/800 double auxiliary contact，2NO+2NC	GB400XFAS2L	CN072066KG
GB/GE400/630/800 alarm contact，1NO+1NC	GB400XBAML	CN072067KG
GB/GE400/630/800 auxiliary and alarm contact，aux. 1NO+1NC and alarm 1NO+1NC	GB400XFASBAML	CN072068KG
GB/GE400/630/800 shunt release DC24V	GB400XSHTLA	CN072069KG
GB/GE400/630/800 shunt release DC110V	GB400XSHTLB	CN072070KG
GB/GE400/630/800 shunt release AC110V	GB400XSHTLE	CN072071KG
GB/GE400/630/800 shunt release AC230V	GB400XSHTLC	CN072072KG
GB/GE400/630/800 shunt release AC400V	GB400XSHTLD	CN072073KG
GB/GE400/630/800 undervoltage 230V	GB400XUVRRB	CN072074KG
GB/GE400/630/800 undervoltage 400V	GB400XUVRRD	CN072075KG

GB800，GE800-External accessories		
GB800/GE800 Manual operating mechanism, center type, circular handle,300mm	GB800XNFR1AR	CN072117KG
GB800/GE800 Manual operating mechanism, center type, square handle,300mm	GB800XNFR1AF	CN072118KG
GB/GE800 Rear connect terminal 3P	GB800XBRC3	CN072106KG
GB/GE800 Rear connect terminal 4P	GB800XBRC4	CN072107KG
GB/GE800 Plug-in base, rear connect 3P	GB800XDDF3	CN072112KG
GB/GE800 Plug-in base, rear connect 4P	GB800XDDF4	CN072113KG
GB800 Draw-out base, rear connect 3P	GB800WB3	CN072114KG
GB800 Draw-out base, rear connect 4P	GB800WB4	CN072115KG
GB800 Draw-out base, front connect 3P	GB800WB3/F	CN072116KG

Note: 1) Internal accessories such as shunt, auxiliary, alarm, undervoltage, etc. need to be ordered together with the circuit breaker body and shipped after assembly in the factory;

GEIS

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