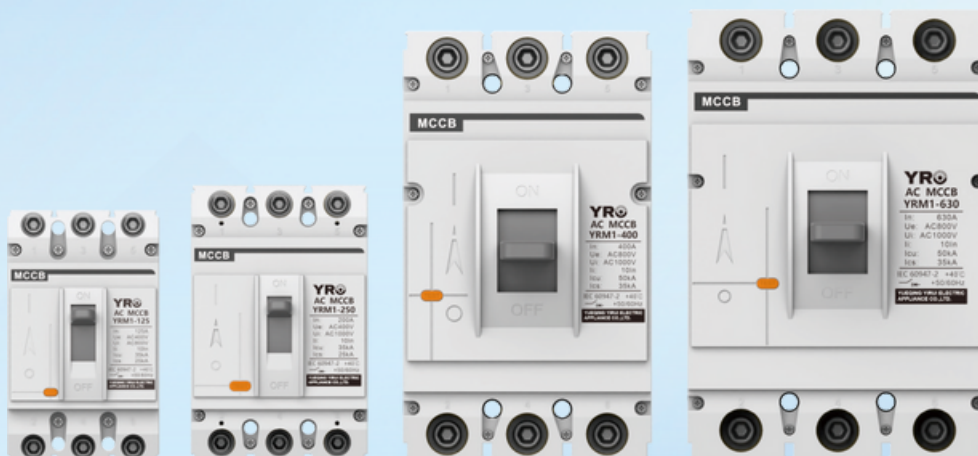


AC Mold Case Circuit Breaker



YRM1 SERIES

ACMoldCaseCircuit Breaker



Application

The YRM1 series plastic shell-type circuit breaker (hereinafter referred to as a circuit breaker) is one of the new type of circuit breakers used in international advanced design, manufacturing technology development and development. Its rated insulation voltage is 1000V (YRM1-63 is 800V). AC 50/60Hz, the rated operating voltage of 400/800V and below, and the rated working current to 1250A is used to make non -frequent conversion and the motor does not frequently start. The circuit breaker has the function of overloading, short circuit and voltage protection, and can protect the lines and power equipment from being damaged.

The circuit breaker is divided into S -shaped (standard type) and H (high division) according to the height of its rated limit short -circuit capacity (ICU). This broken circuit has the characteristics of small volume, high separation capacity, short arc distance, short vibration resistance and other characteristics. It is an ideal product used in land and ships.

- This broken circuit can be installed vertically (ie, vertical), or can be installed horizontally (ie, horizontal installation).
- This broken circuit can not be poured into the wire, that is, only 1, 3, and 5 can be connected to the source line, and the negative carrier of 2, 4, and 6 can be connected.
- This broken circuit has an isolation function. The symbol is marked: 
- This product meets IEC60947-2, GB14048.2 standards.

Normal use environment

- The altitude is 2000m and below;
- The temperature of the surrounding medium is not higher than +40°C (the ship's product is +45°C) and not less than -5°C;
- Pollution level 3;
- Can tolerate the effects of humid air;
- Can tolerate the effects of salt fog and oily mist;
- Can tolerate the impact of mold;
- The maximum tilt is $\pm 22.5^\circ$;
- It can work reliably when the ship is vibrated normally;
- In the case of earthquake (4G), it can work reliably;
- In a medium without explosive hazards, the medium is not enough to corrode the metal and the excessive gas and conductive dust;
- There is no place for rain and snow.

Deep deduction method and accessories code

Alarm
 Auxiliary
 Split deck
 Direction

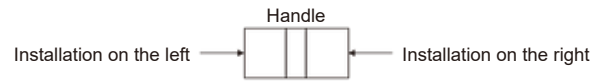


Table 1: Displayer method and attachment code

Attachment number	Annex	Model Poles	YRM1-63 YRM1-125		YRM1-250 YRM1-400		YRM1-630 YRM1-800		YRM1-1250	
			3	4	3	4	3	4	3	4
208,308	Alarm									
210,310	Split deck									
220,320	Auxiliary									
230,330	Walled voltage offerler									
240,340	Divide deedr, auxiliary contact									
250,350	Dividection device, owed voltage offerler									
260,360	The second group auxiliary contact									
270,370	Auxiliary contact, owed voltage offerler									
218,318	Divide deedr and alarm contact									
228,328	Auxiliary contact, alarm contact									
238,338	Owatr voltage offerrier, alarm contact									
248,348	Dividection deserter, auxiliary contact, alarm contact									
268,368	The second group auxiliary contact, alarm contact									
278,378	Auxiliary contact, owed voltage offerers, alarm contact									

Note:

- 200: It means the circuit breaker body with only an electromagnetic deedr, 300: It means the circuit breaker body with a thermal electromagnetic deedr; 000: the circuit breaker body of the deduction and the attachment in the table without the deduction device and the attachment in the table.
- There are 210, 310, 220, 320, 230, 330, and 330 diodes for YRM1-125, 225 and 250. 248, 348, N extremely A and D types are 240, 340, 260, 360, 268, 368.
- For YRM1-400, 630, and YRM1-800, the auxiliary contacts in 220, 230, 240, 340, 270, and 370 can be used for two pairs (both two times and two times). The circuit breaker thermal electromagnetic deedr has a reverse time limit; the electromagnetic deedr is instantaneous movement. The characteristics are shown in Table II (distribution) and Table III (for protection motor)

Table 2: Router disconnect movement characteristics (for power distribution protection)

Rated current of the deduction (A)	Environmental temperature of thermagnetic deduction (land for land +40 °C/ship +45°C)		Electromagnetic deedr action current (A)
	1.05In (Cold State) No action time (h)	1.30In (Hot State) Action Time (H)	
In ≤ 63	≥1	<1	10In±20%
In > 63	≥2	<2	
630 < In ≤ 1250	≥2	<2	10In±20% 5In±20%

Table 3: Riter action characteristics (for electric motor protection)

Rated current of the deduction (A)	Environmental temperature of thermagnetic deduction (land for land +40 °C/ship +45°C)				Electromagnetic deedr action current (A)
	1.0In (Cold State) No action time (h)	1.20In (hot) action time (H)	1.50In (hot) action time (H)	7.2In (Cold) No action time (h)	
In ≤ 225	≥2	≥2	< 4min	4s < Tp ≤ 10s	12In±20%
225 < In ≤ 630			< 8min	6s < Tp ≤ 20s	

Note: 100A in YRM1-225, no 5LN electromagnetic deduction in 125A specifications.

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Technical Data

Model	Rated current of the shell rack (A)	Rated current (A)	Rated voltage (V)	Rated limit short -circuit division capacity Icu (KA)		Rated running short -circuit division capacity ICS (KA)		Flying arc distance (mm)
				400/415V	690/800V	400/415V	690/800V	
YRM1-63L	63	(6)、10、16 20、25、32 40、50、63	800	35	/	25	/	≤ 50
YRM1-63M				50	/	35	/	
YRM1-63H				85	/	65	/	
YRM1-125L	125	10、16、20 25、32、40 50、63、80 100	800	35	/	25	/	
YRM1-125M				50	25	35	15	
YRM1-125H				85	/	65	/	
YRM1-250L	250	100、125 140、160 180、200 225、250	1000	35	/25	25	/	
YRM1-250M				65	/	50	15	
YRM1-250H				100	/	65	/	
YRM1-400L	400	225、250 315、350 400	1000	50	35	35	/	≤ 100
YRM1-400M				65	/	50	20	
YRM1-400H				100	/	65	/	
YRM1-630L	630	400、500 630	1000	50	35	35	/	
YRM1-630M				65	/	50	20	
YRM1-630H				/	/	/	/	
YRM1-800L	800	630、700 800	1000	50	35	35	/	
YRM1-800M				75	/	50	20	
YRM1-800H				100	/	65	/	
YRM1-1250L	1250	800、1000 1250	1000	50	35	35	/	
YRM1-1250M				85	/	65	25	
YRM1-1250H				100	/	75	/	

Note: 6A in YRM1-63 has no overload protection.

1. According to the product, it is divided into two poles (100A, 225A), three poles and four poles.

Four types of the neutral (N pole) of the four poles products are divided into four types:

Type A: N pole does not install the current off -current, and the N pole is always connected, and it is not combined with other tritinals;

Type B: N pole is not installed with current off -current, and n poles are divided with other tritinal (N pole first combined and then divided);

Type C: N pole installed overlapseter Division (n pole first combination and then division);

Type D: N pole installation over current The deduction, and the N pole is always connected, and it is not integrated with other tritinals.

2. Press the rated current division:

YRM1-63 is (6), 10, 16, 20, 25, 32, 40, 50, 63A level 9 (6A specifications without overload protection);

YRM1-125 is (10), 16, 20, 25, 32, 40, 50, 63, 80, 125A level 10;

YRM1-225 is 100, 125, 140, 160, 180, 200, 225A level 7;

YRM1-250 is 250 level 1;

YRM1-400 is 225, 250, 315, 350, 400A level 5;

YRM1-630 is 400, 500, 630A level 3;

YRM1-800 is 630, 700, 800A level 3; [belt () is not recommended specifications]

YRM1-1250 is 800, 1000, and 1250A level 3.

The wiring method is divided into three types: front wiring, panel rear wiring, and inserted wiring.

Press the current off-current deprivor type division of heat-electromagnetic (duplex) type and electromagnetic (instantaneous) type.

There are two types of accessories and accessories with an attachment and no attachment.

Decline coefficient of ambient temperature changes

Model	Temperature	+40°C	+45°C	+50°C	+55°C	+60°C
	Coefficient	(ship for ship+45°C)	(ship for ship+50°C)	(ship for ship+55°C)	(ship for ship+60°C)	(ship for ship+65°C)
	Reducing coefficient	Reducing coefficient	Reducing coefficient	Reducing coefficient	Reducing coefficient	Reducing coefficient
YRM1-63(L, M, H)	1In	0.94In	0.88In	0.80In	0.72In	
YRM1-100(L, M, H)	1In	0.94In	0.89In	0.84In	0.76In	
YRM1-225(L, M, H)	1In	0.94In	0.93In	0.90In	0.86In	
YRM1-250(L, M, H)	1In	0.94In	0.91In	0.87In	0.82In	
YRM1-400(L, M, H)	1In	0.94In	0.87In	0.81In	0.73In	
YRM1-630(L, M, H)	1In	0.94In	0.88In	0.83In	0.76In	
YRM1-800(L, M, H)	1In	0.94In	0.83In	0.79In	0.76In	
YRM1-1250(L, M, H)	1In	0.94In	0.8In	0.7In	0.7In	

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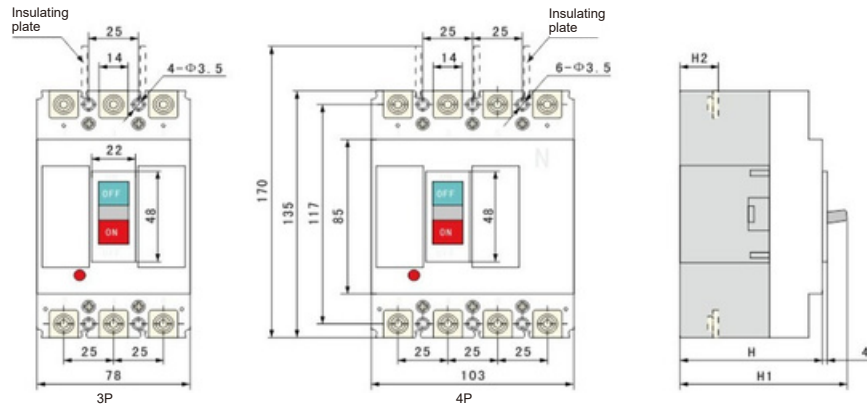


Outline and installation dimensions

YRM1-63

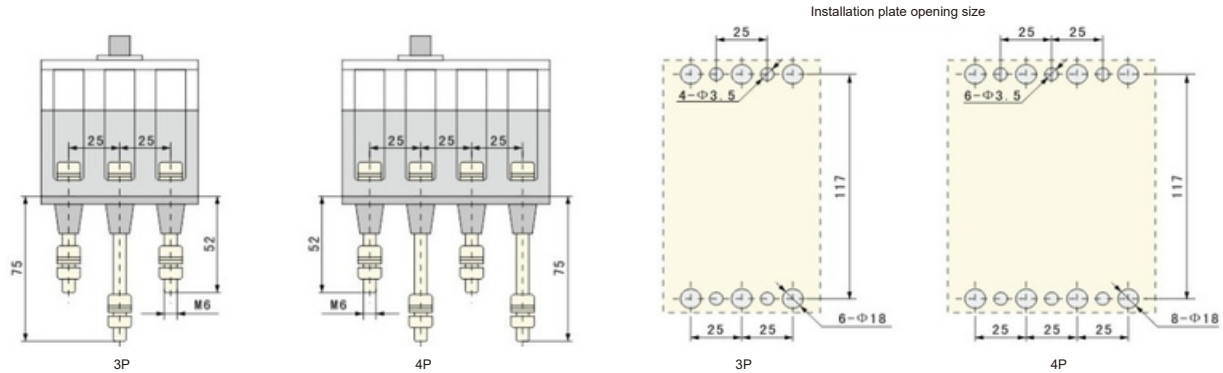
Unit: mm

Front wiring

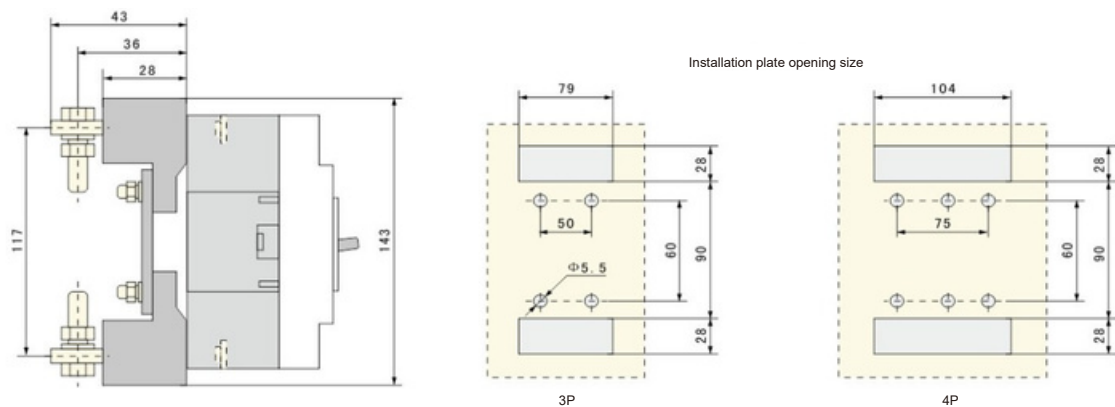


Model	H	H1	H2
YRM1-63L/3P	74	90.5	20.5
YRM1-63M/H/3P	82	98.5	28.5
YRM1-63M/H/4P	82	98.5	28.5

Back wiring



Insertion wiring

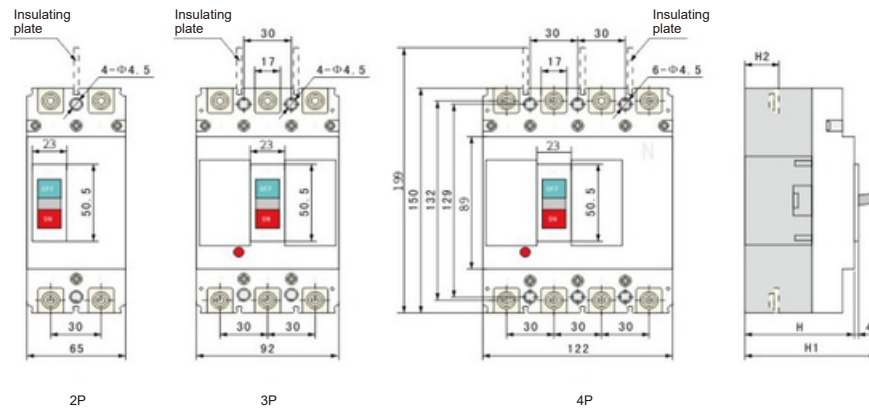


Outline and installation dimensions

YRM1-125

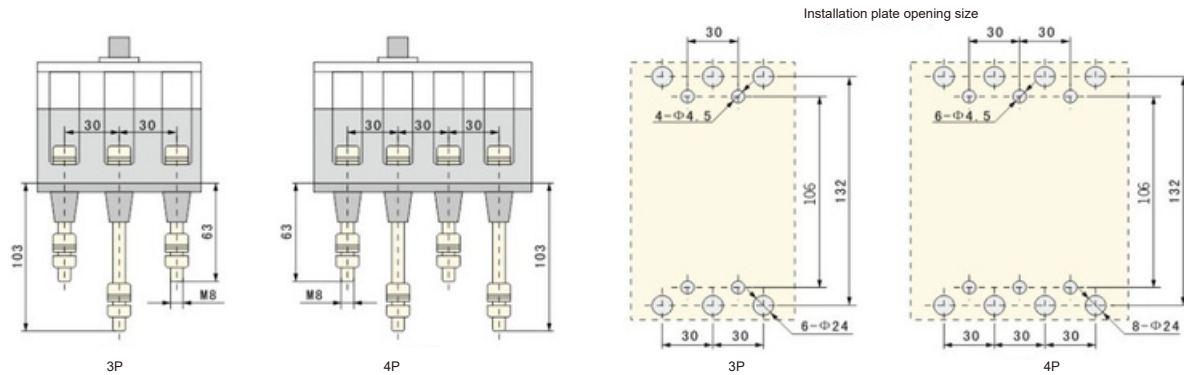
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Front wiring

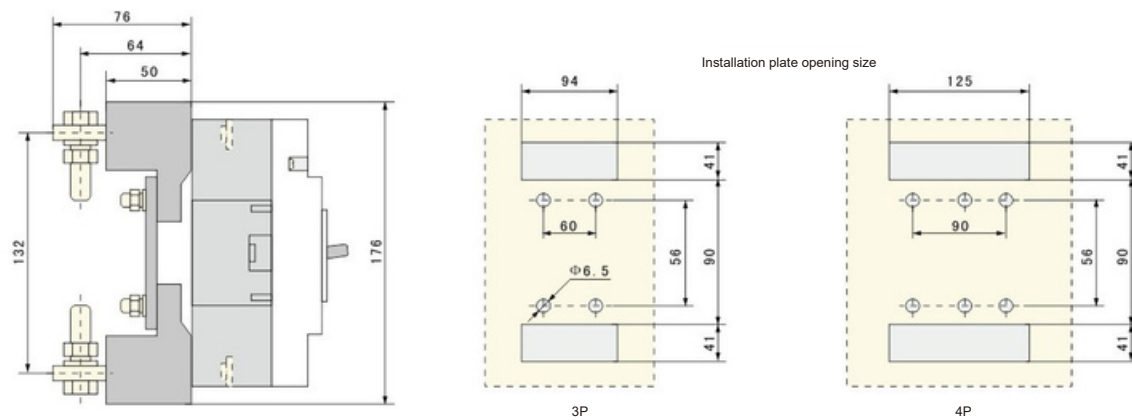


Model	H	H1	H2
YRM1-125L/2P	68	86	24
YRM1-125M/H/2P	86	104	24
YRM1-125L/3P	68	86	24
YRM1-125M/H/3P	86	104	24
YRM1-125M/H/4P	86	104	24

Back wiring



Insertion wiring



YRM1 SERIES

AC Mold Case Circuit Breaker

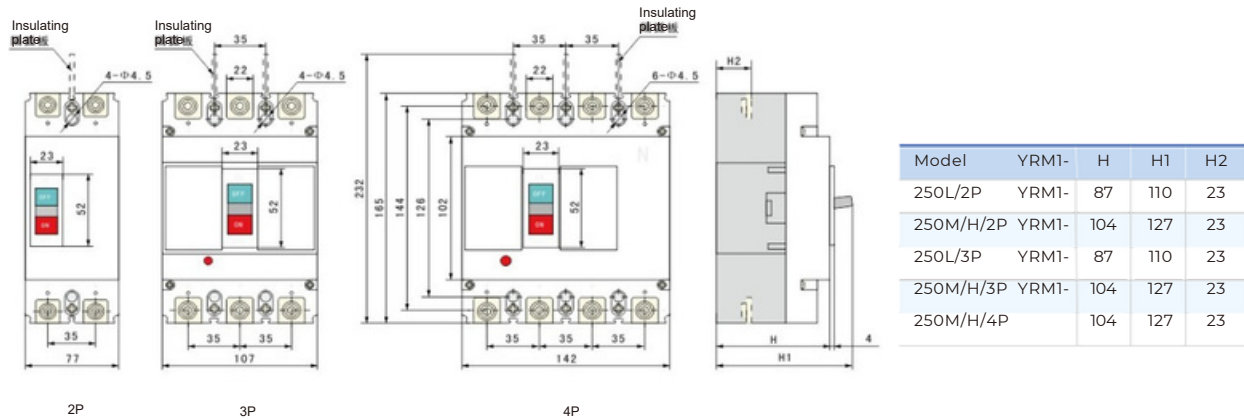


Outline and installation dimensions

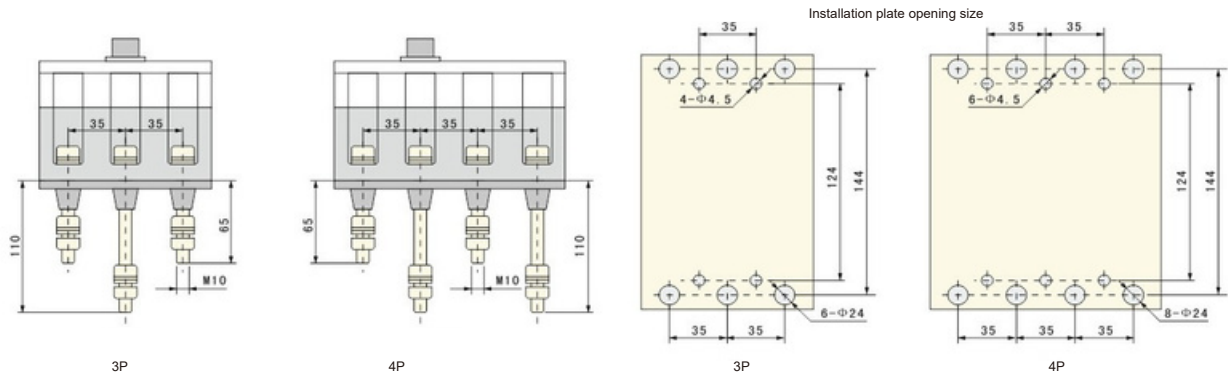
YRM1-250

Unit: mm

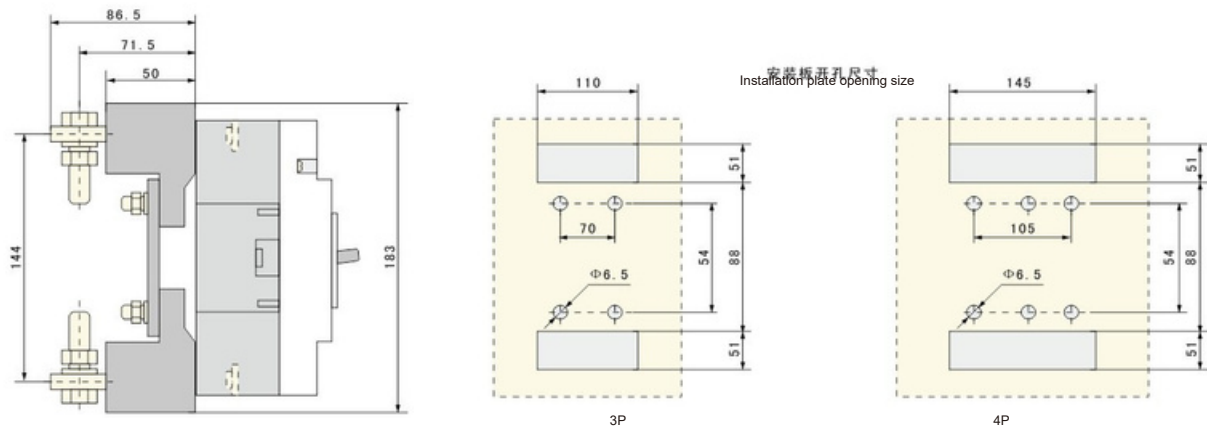
Front wiring



Back wiring



Insertion wiring



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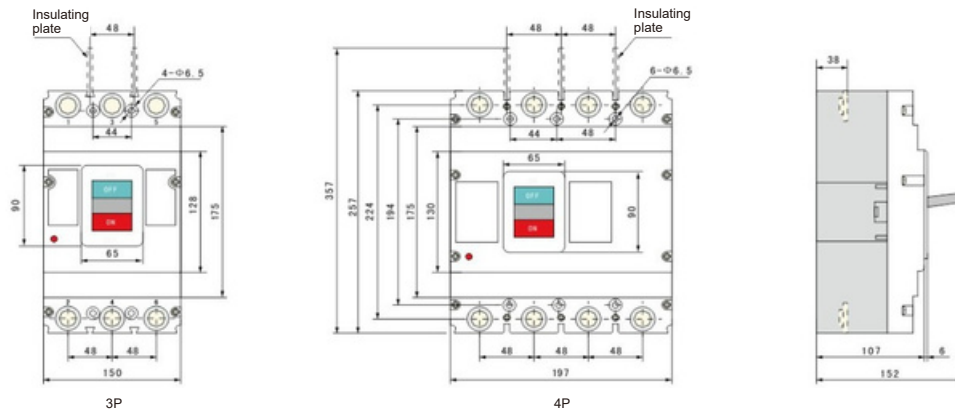


Outline and installation dimensions

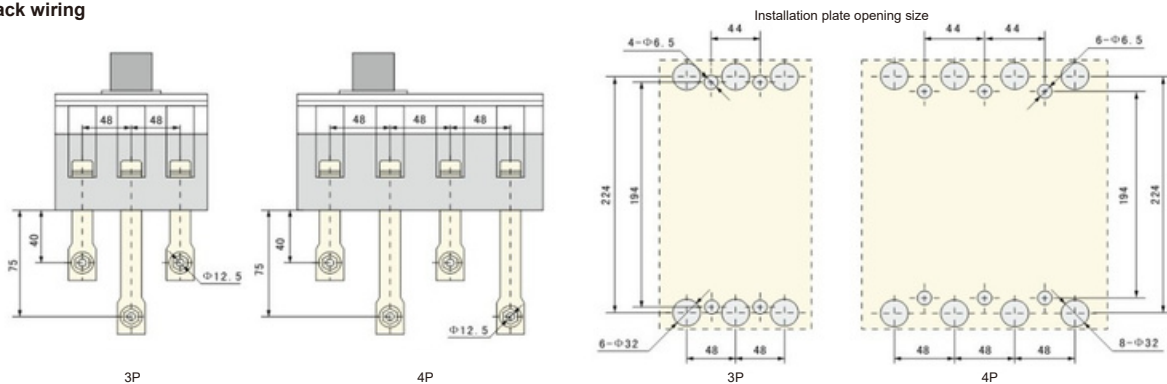
YRM1-400

Unit: mm

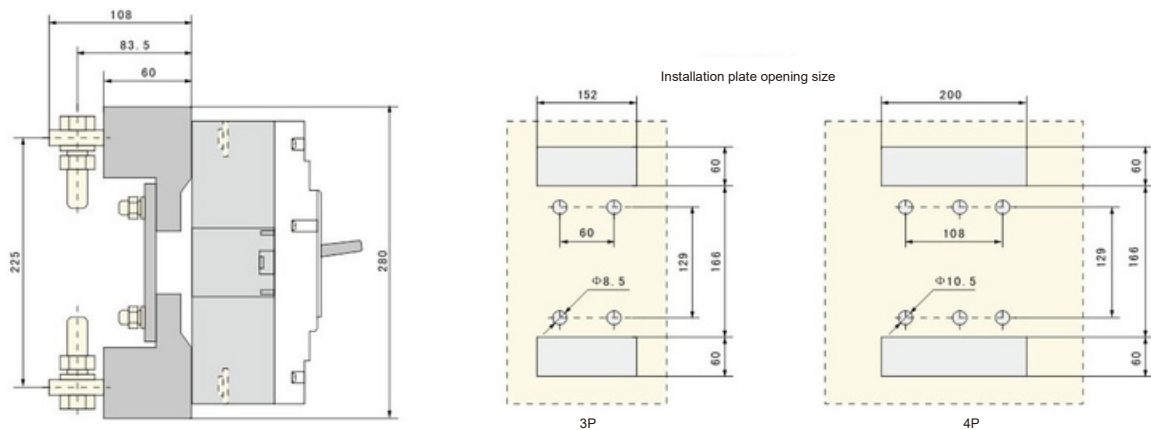
Front wiring



Back wiring



Insertion wiring



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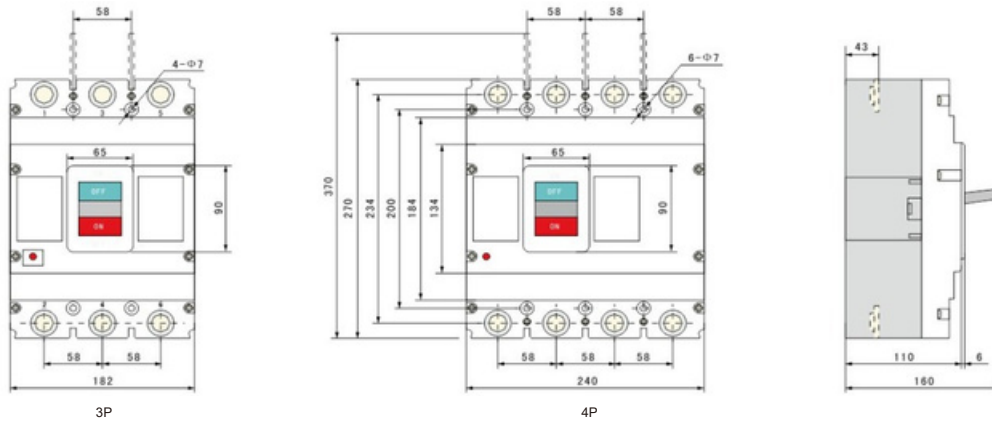


Outline and installation dimensions

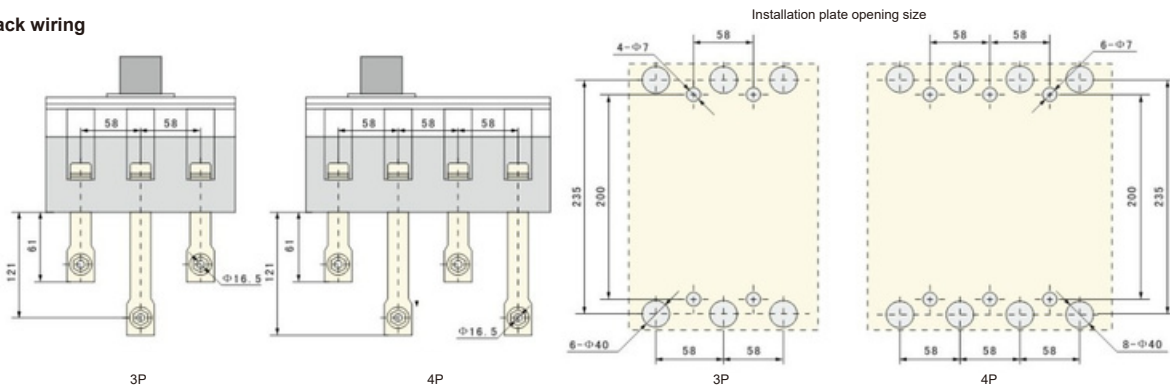
YRM1-630

Unit: mm

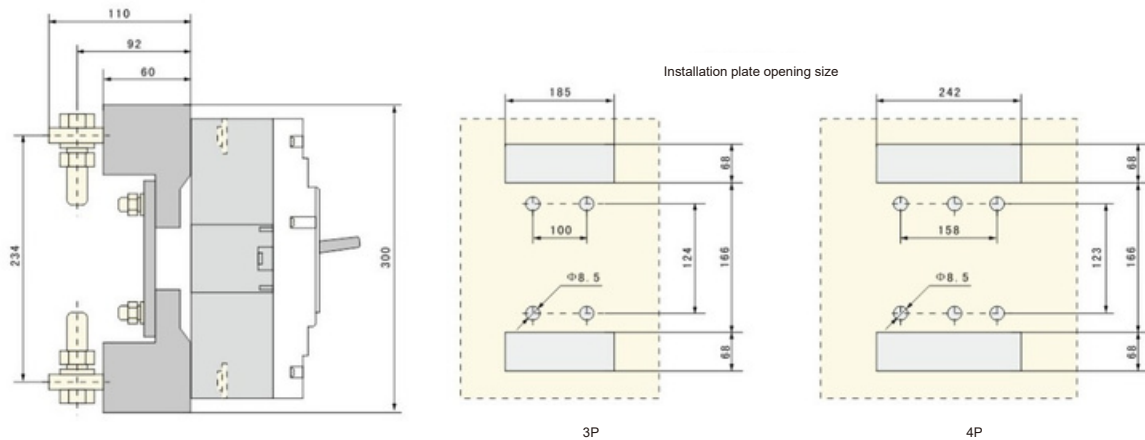
Front wiring



Back wiring



Insertion wiring



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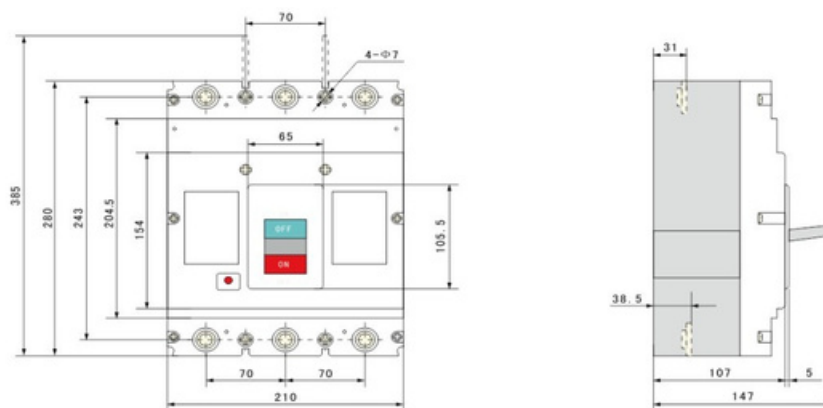


Outline and installation dimensions

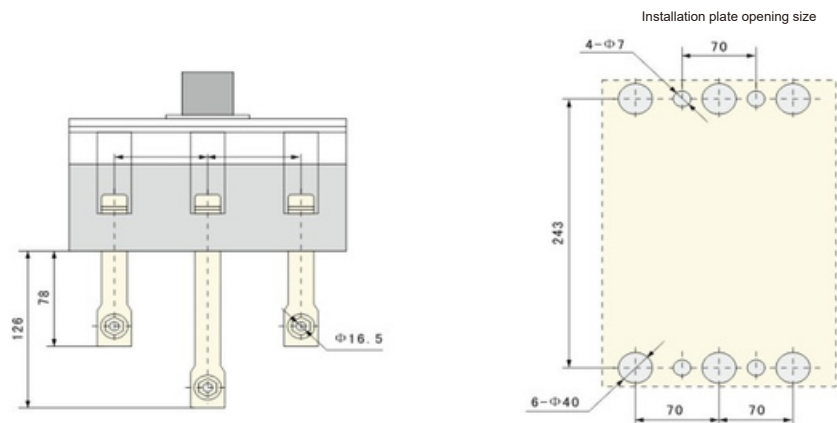
YRM1-800

Unit: mm

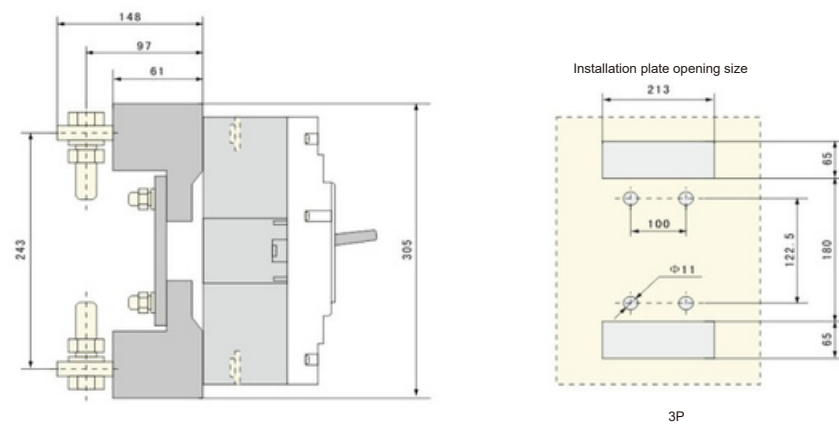
Front wiring



Back wiring



Insertion wiring



3P

YRM1 SERIES

AC Mold Case Circuit Breaker



Outline and installation dimensions

YRM1-1250

Unit: mm

Front wiring

