



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

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EBASEE
Smart Living Green Ebasee



CONTROL ELECTRIC



COMPANY PROFILE

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

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

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

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

"Smart life, Green EBASEE"



Quality is our culture!

PRODUCTION LINE

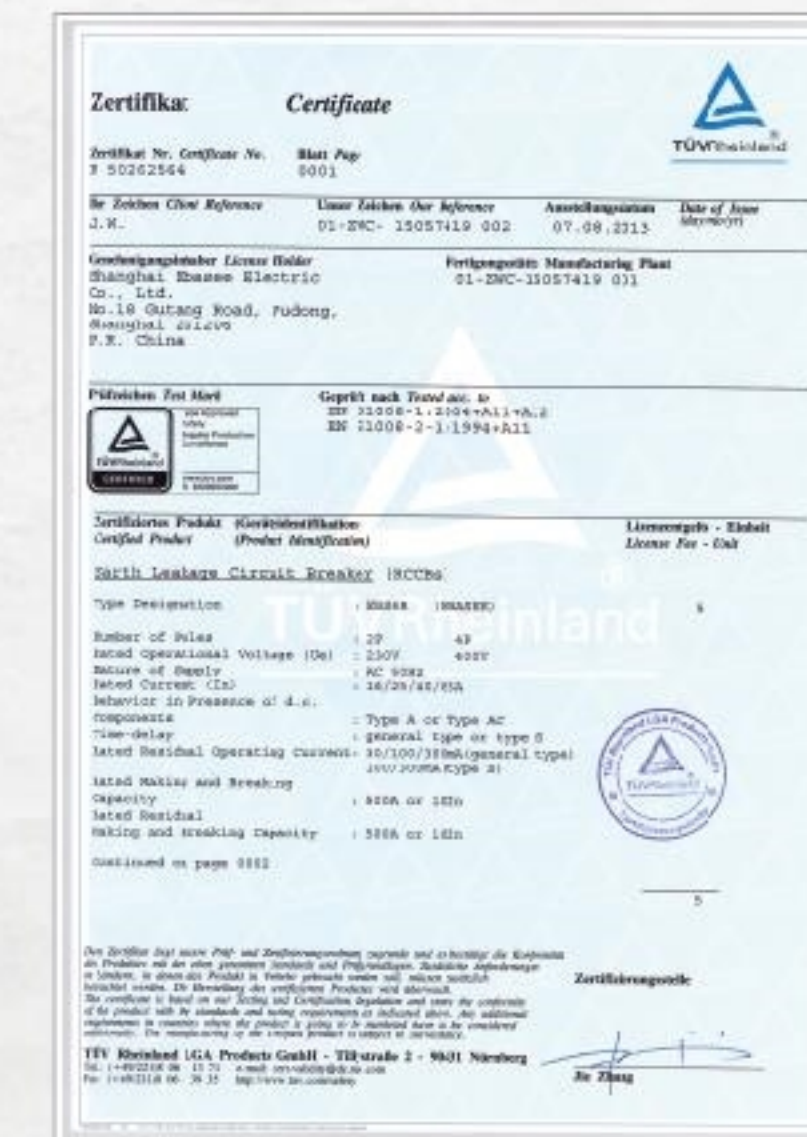
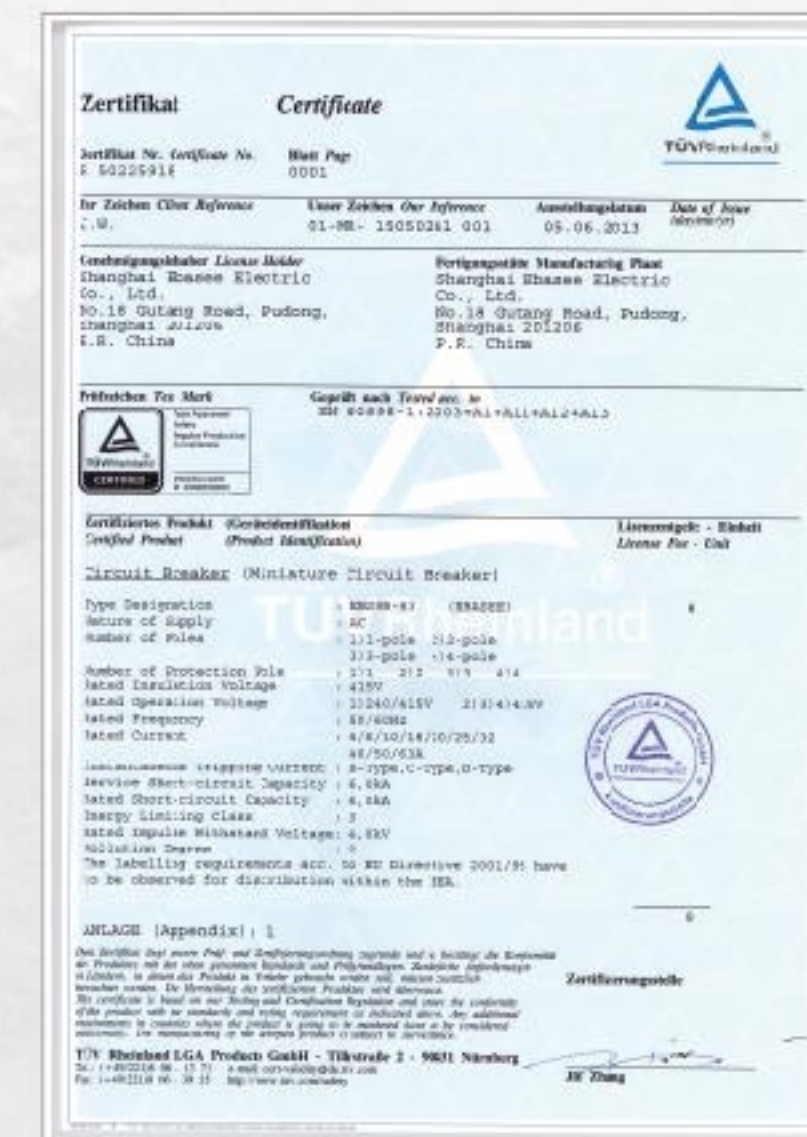
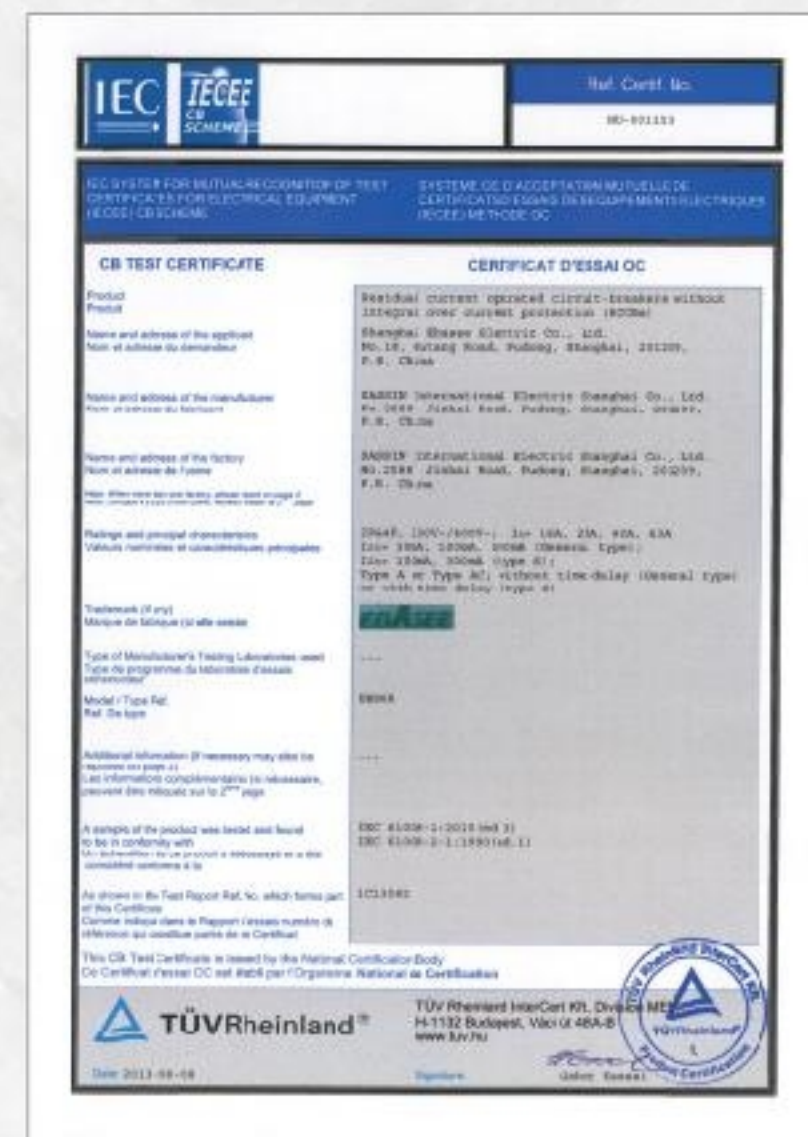
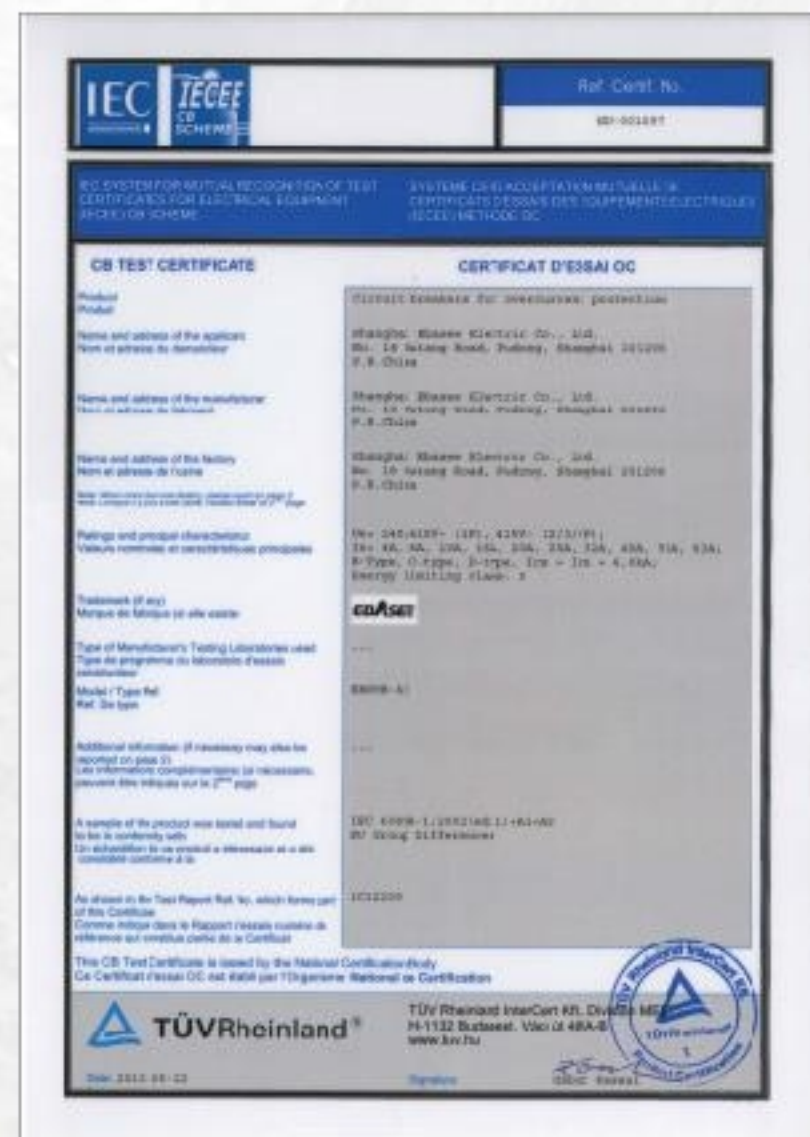


SMART LIVING GREEN EBASEE



INTERNATION QUALITY CERTIFICATE

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

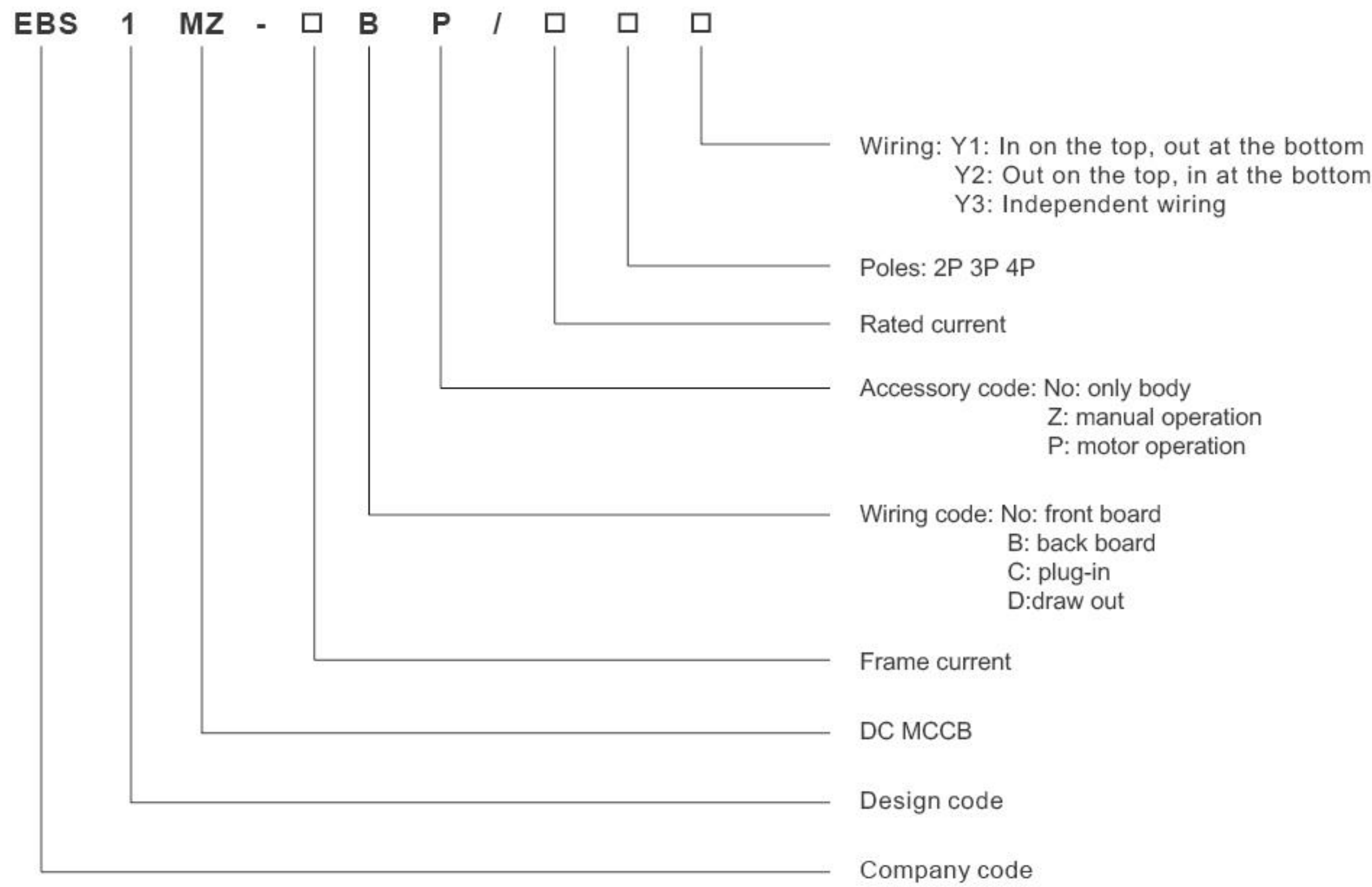


1.Function

- With solar filed development, the large capacity of solar photovoltaic power plant is also in rapid development.
- More demands of solar control and protection are picked up. Circuit breaker and isolator are used when the photovoltaic power exceed some level. To meet market request, Ebasee search EBS1MZ series which specially used in DC Photovoltaic.
- EBS1MZ DC circuit breaker, rated voltage can be up to DC1500V, current to 1250A
- EBS1MZ DC circuit breaker adopt inner connecting when voltage up to 750V or more, the wiring method is same as 2 poles one, that make more easy to installation.
- EBS1MZ series high performance complied with following standards:
IEC 60947-1 GB14048.1
IEC 60947-2 GB14048.2



2.Nomenclature



Y2: Maximum Current is 400A

3.MCCB Accessories

Motor mechanism	Shunt release
Rated working voltage Ue	
110V AC	230V AC
230V AC	400V AC
24V DC	24V DC
110V DC	110V DC
220V DC	220V DC

4.Circuit Breaker Classification

Operation type	Wiring type	Protection type
☐ Direction operation by itself	☐ In front of board	☐ Circuit protection
☐ Motor operation mechanism	☐ Back of board	☐ Circuit isolation
☐ Handle operation	☐ Plug-in wiring	
	☐ Draw-out wiring (frame current ≥ 400A)	

5.Circuit Breaker Specification

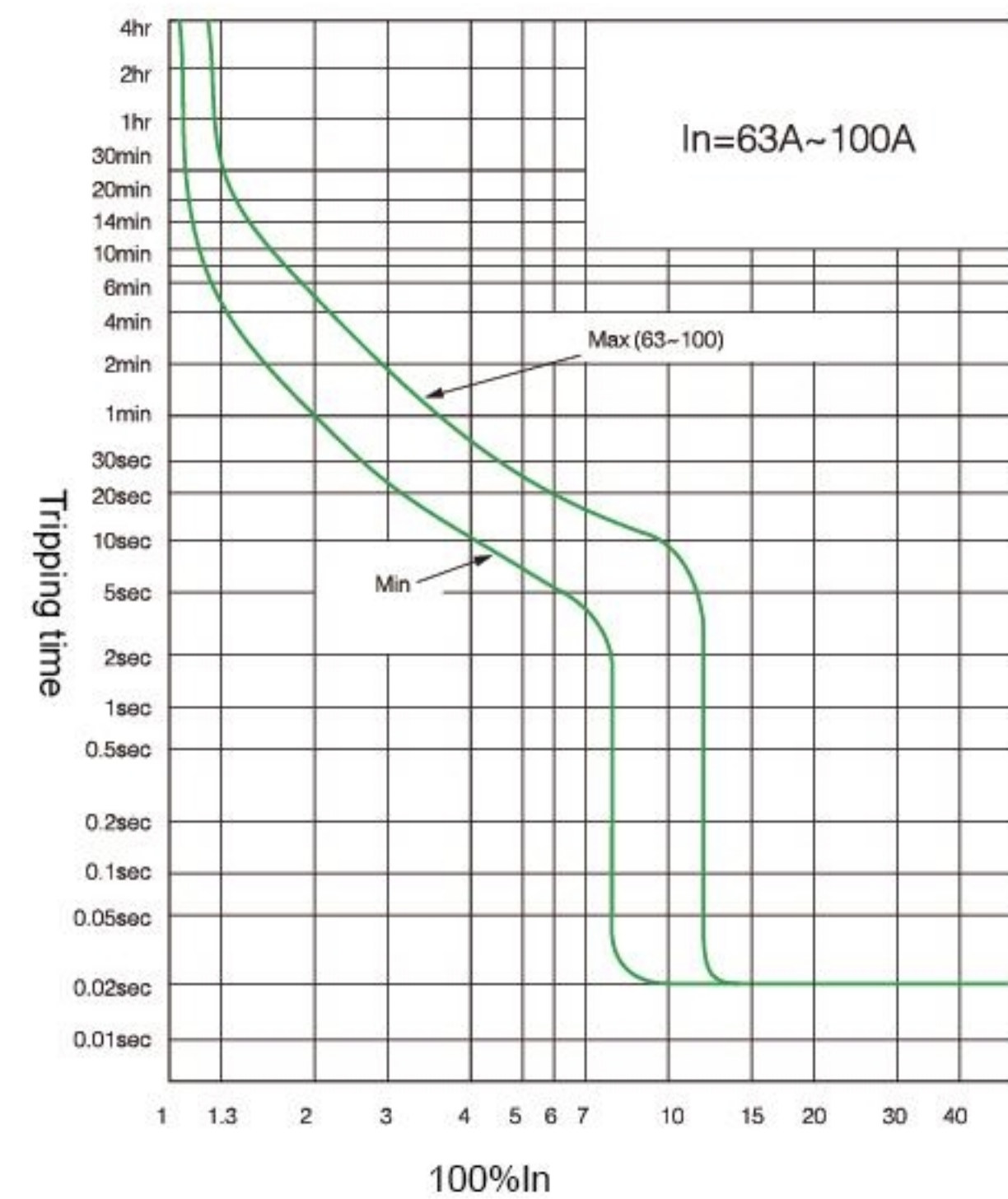
Model	EBS1MZ-100		EBS1MZ-225		EBS1MZ-400		EBS1MZ-630		EBS1MZ-800		EBS1MZ-1250	
Rated continuous current Inm	100		225		400		630		800		1250	
Rated current In (A)	16, 20, 25, 32, 40, 50, 63, 80, 100		100, 125, 140, 160, 180, 200, 225		250, 315, 350, 400		400, 500, 630		400, 500, 630, 700,800		800,1000,1250	
Wiring	2 "IN" 2 "OUT"											
Rated working volt Ue(V)DC	500, 750, 1000, 1250, 1500											
Rated insulation volt Ui(V)	1000, 1250, 1500											
Rated impulse withstand volt Uimp(V)	8											
Test volt (1min) V	3500, 4000											
Limited circuit breaking capacity (kA) Icu (Ics=75% Icu)	25	20	15	10	25	20	20	15	45	40	40	45
Mechanical life	Total times	7000										
Electrical life	Total times	2000										
Total breaking time(ms)		20										
Installation position		Any position										
Installation characteristic or not		Yes										
Standard		IEC60947-2, GB14048.2										
Environment Temp(℃)		-25℃ ~+50℃										
Protection level		IP20										
Accessories		Auxiliary, alarm, shunt release, handle, motor mechanism, interlock										
Flashover distance(mm)		>50										
Instantaneous action value		10In										
Installation type		Fixed, Plug-in										

6.Application Environment

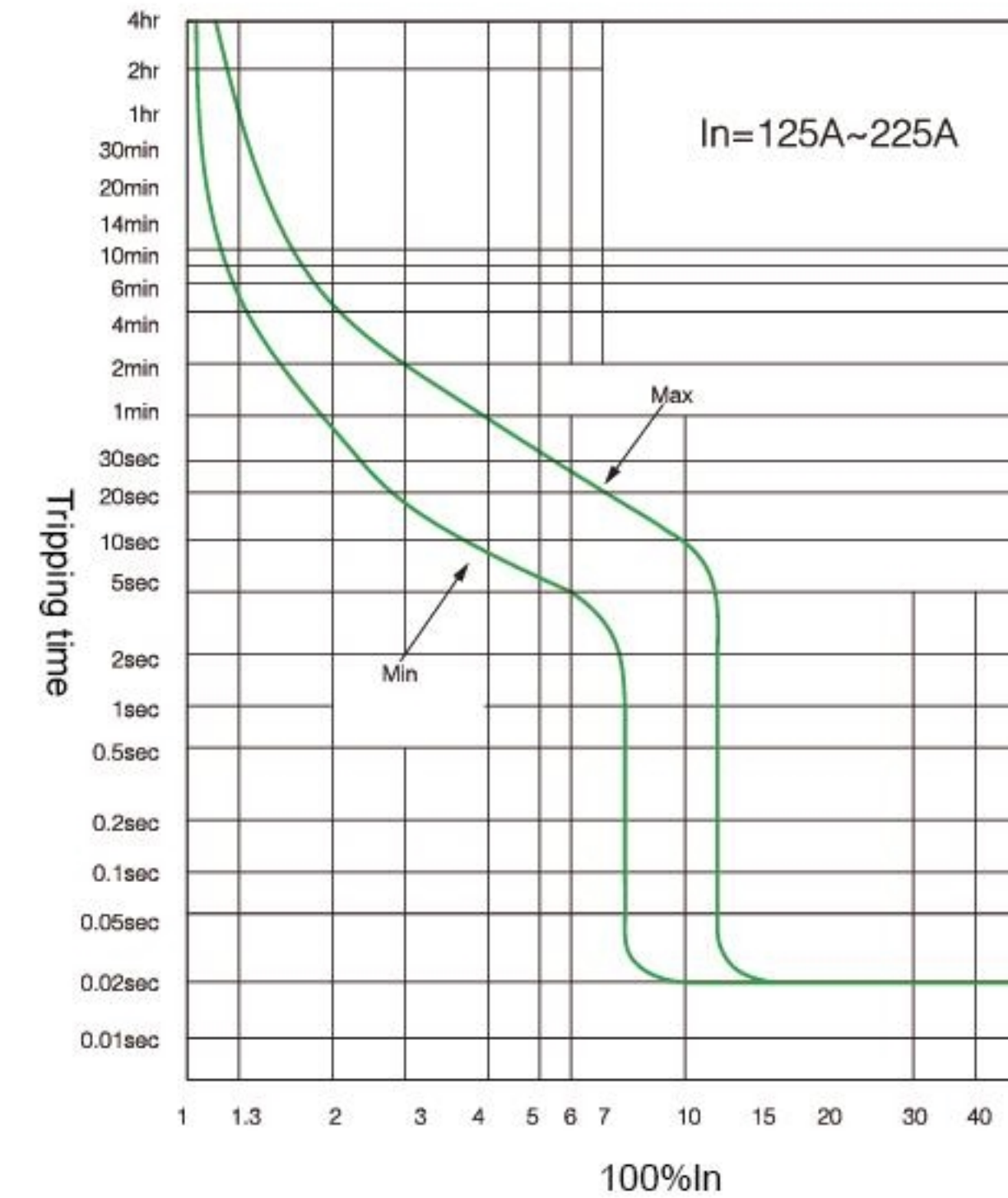
- Altitude: not exceed 2000m
- Not affected by smoke, oil or mist (III)
- Not influenced by moist air (III)
- Not affected by mould

7.Tripping Curve

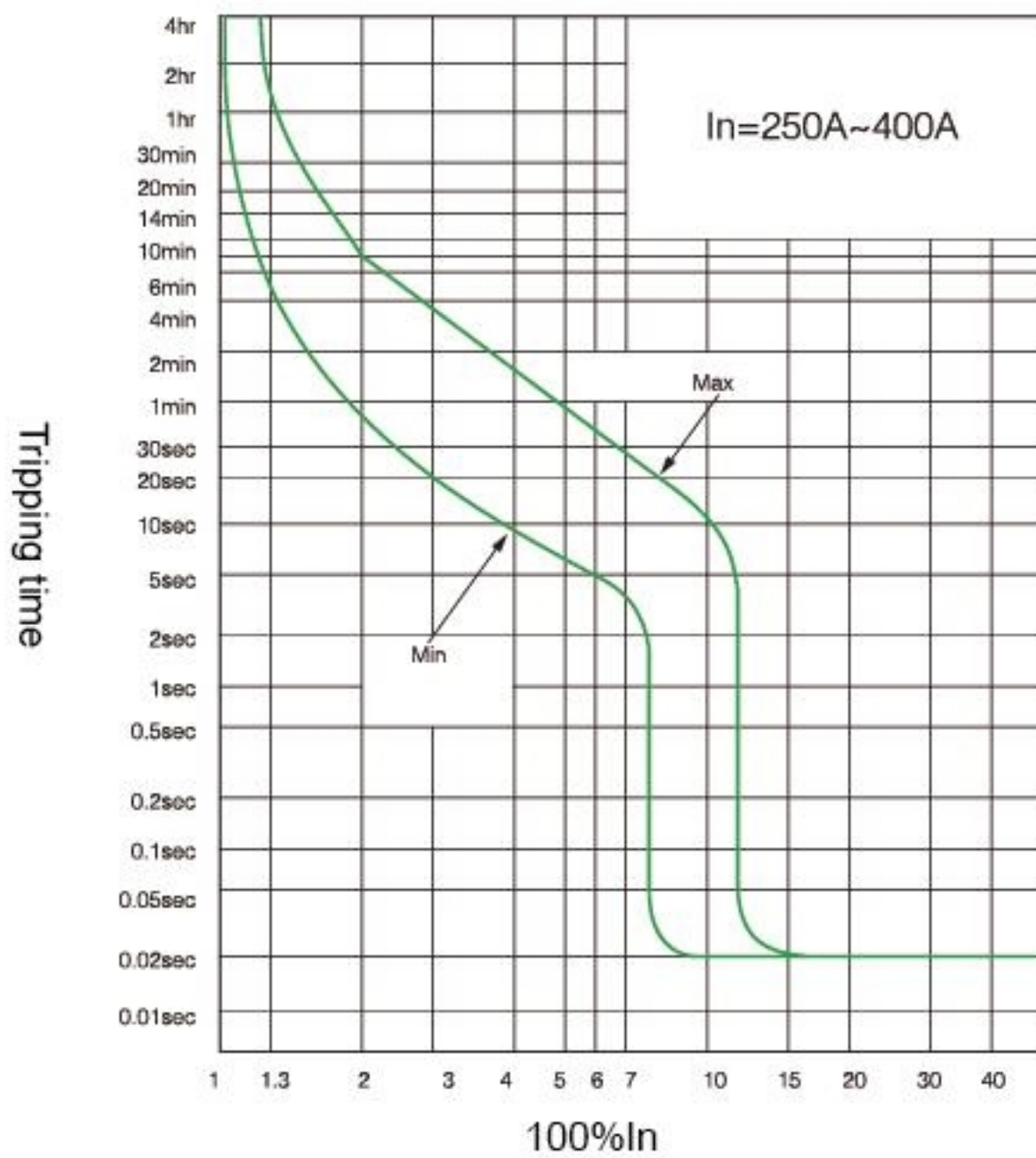
EBS1MZ-100 Tripping Curve



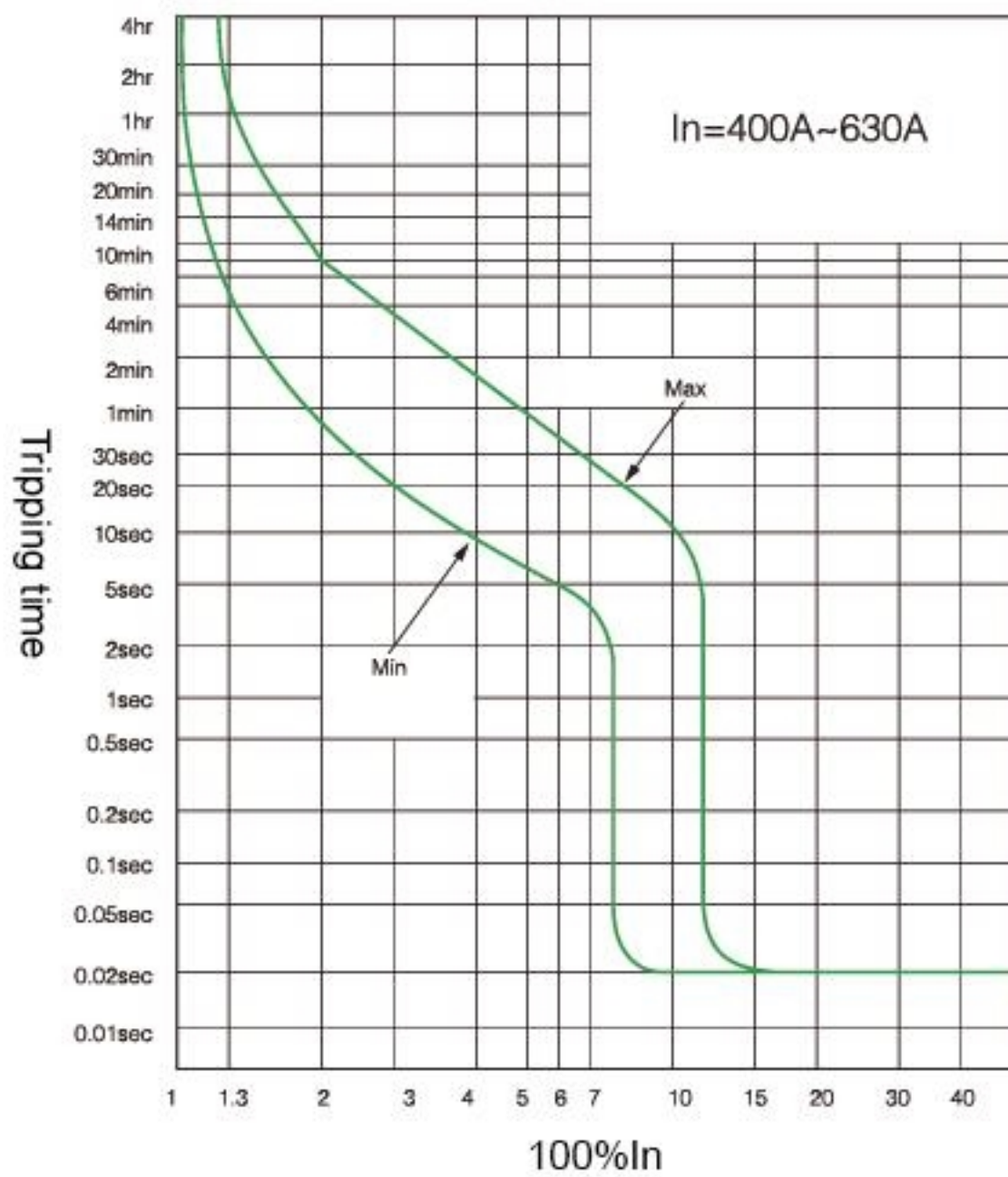
EBS1MZ-225 Tripping Curve



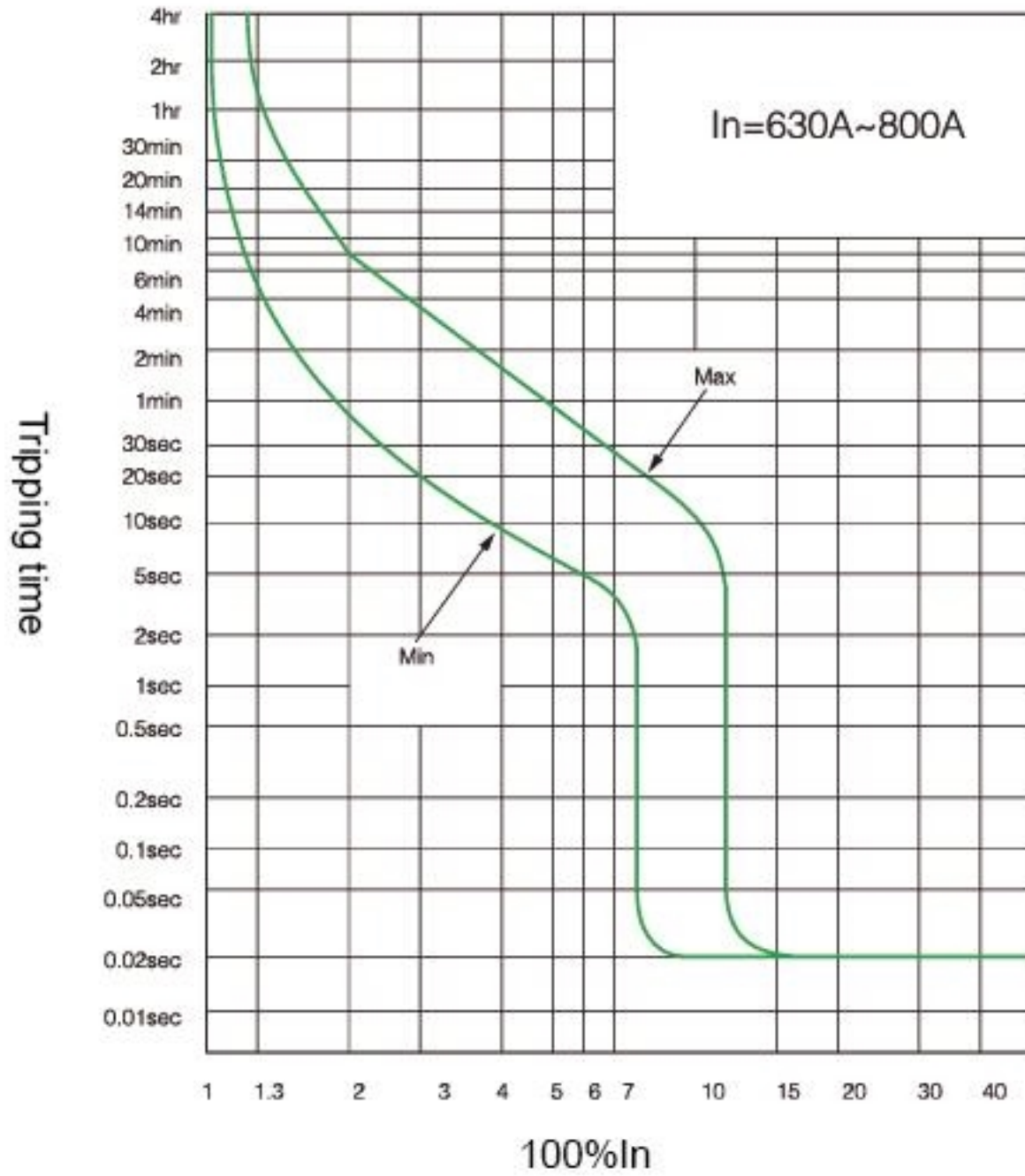
EBS1MZ-400 Tripping Curve



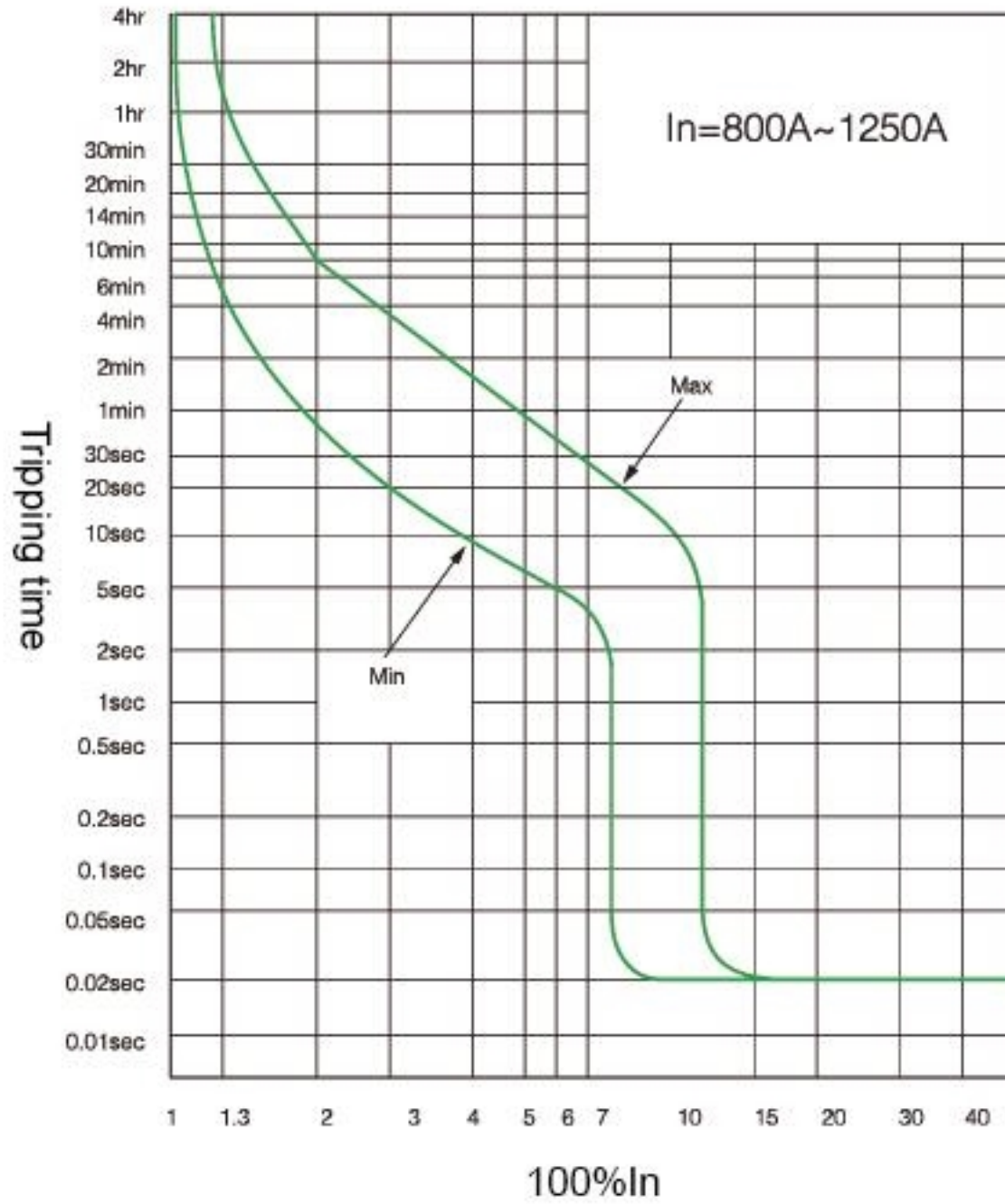
EBS1MZ-630 Tripping Curve



EBS1MZ-800 Tripping Curve

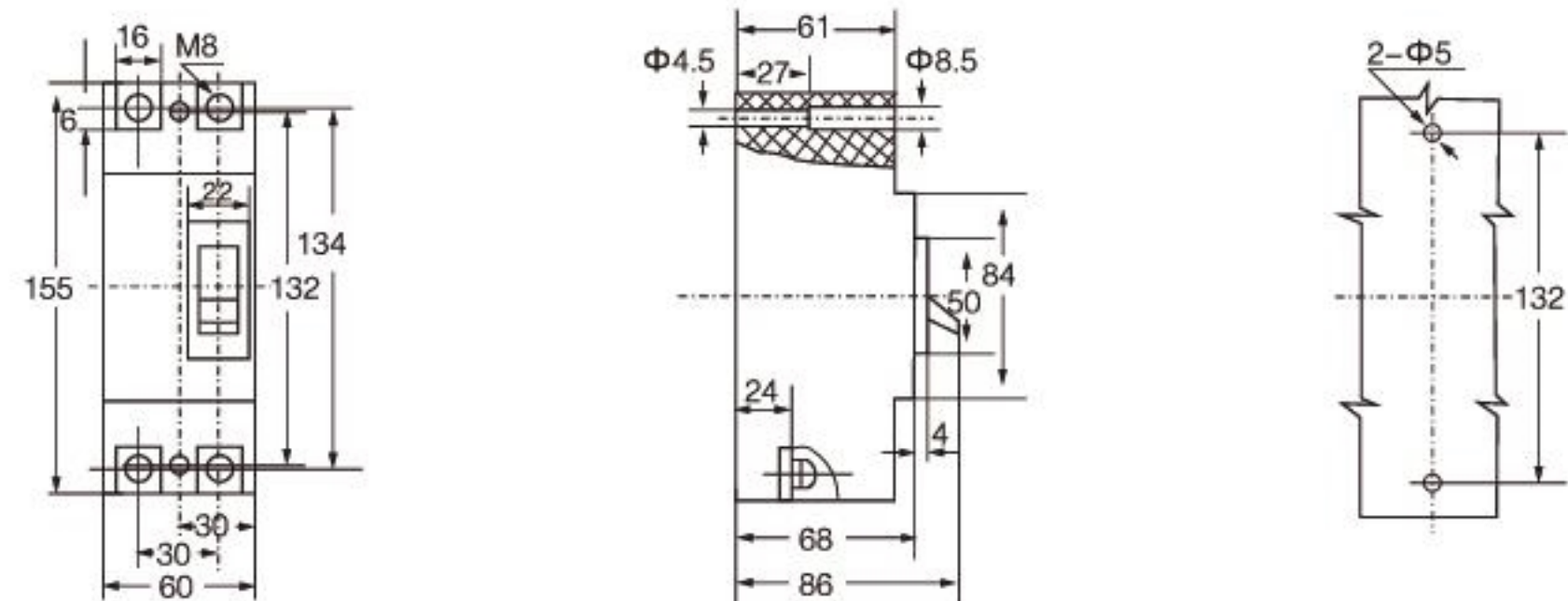


EBS1MZ-1250 Tripping Curve

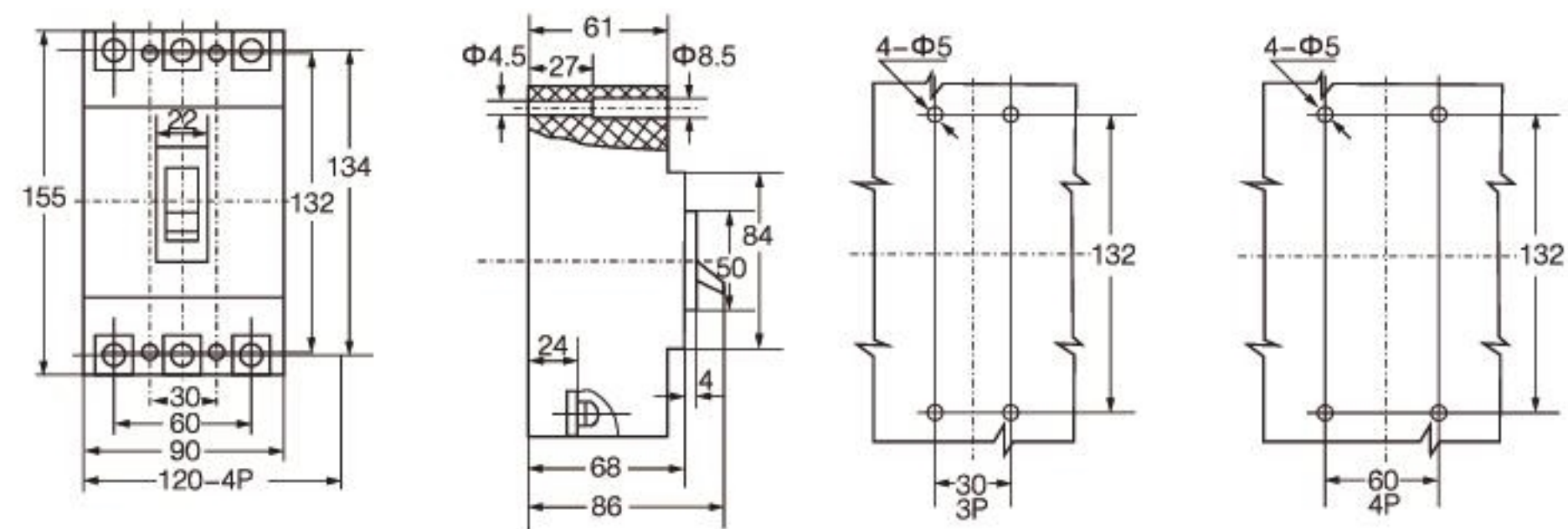


8.Overall Dimension

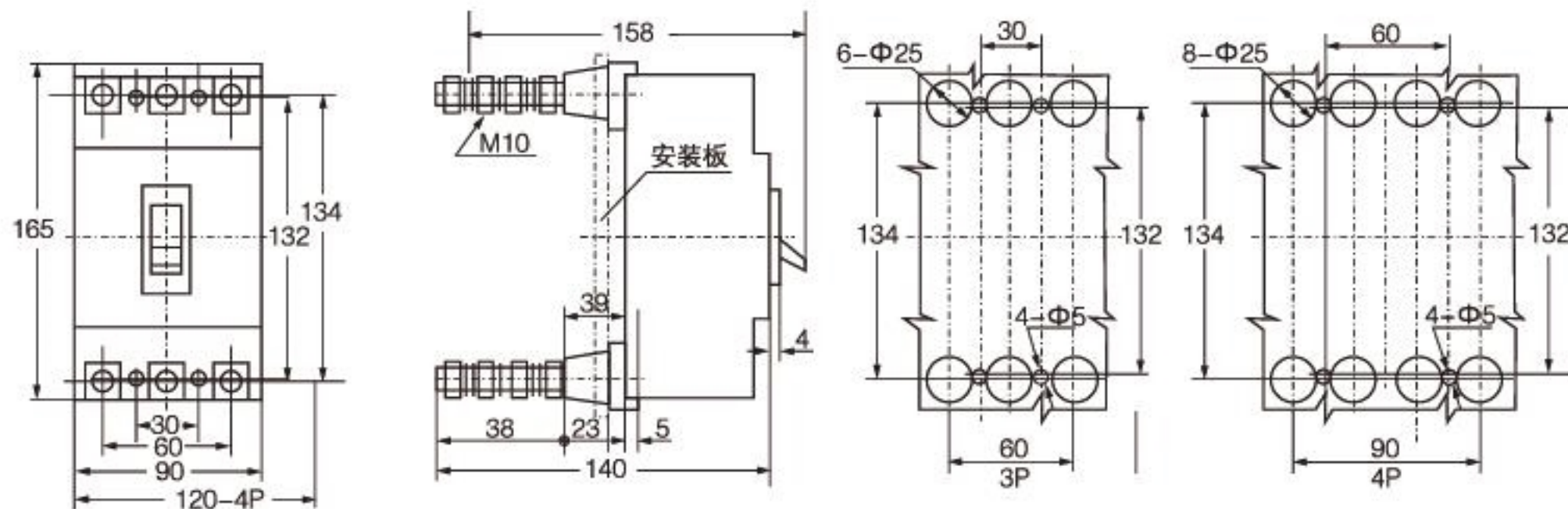
EBS1MZ-100 Front board wiring (small frame)



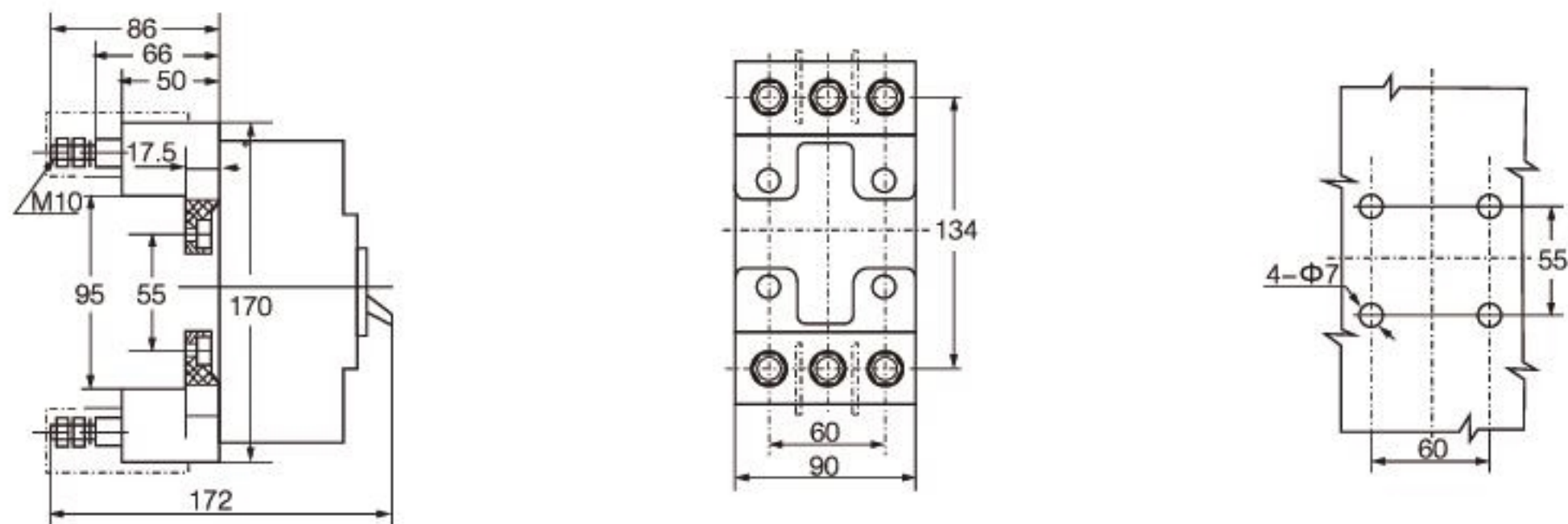
EBS1MZ-100 Front board wiring (big frame)



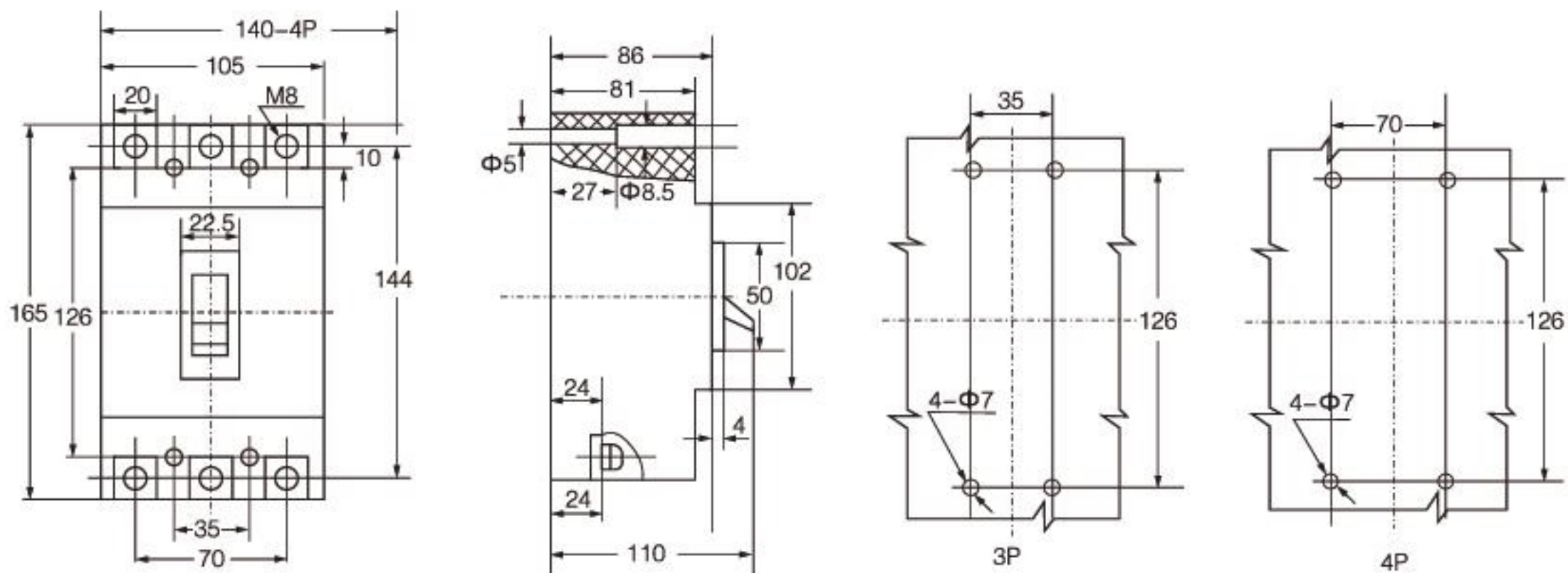
EBS1MZ-100 Back board wiring (big frame)



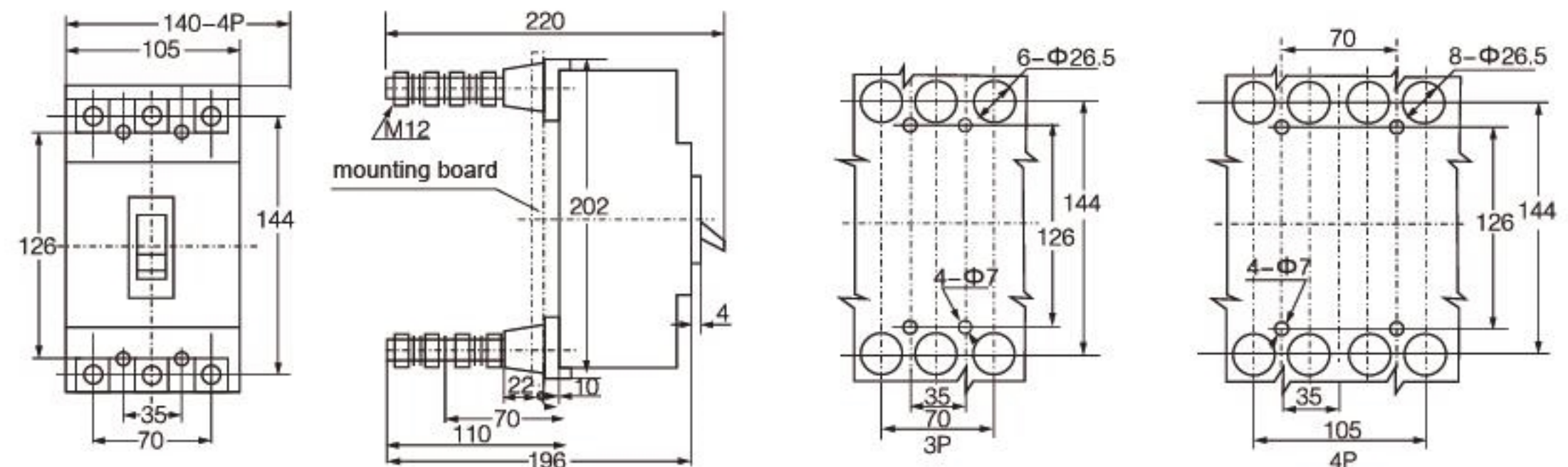
EBS1MZ-100 Plug-in wiring (big frame)



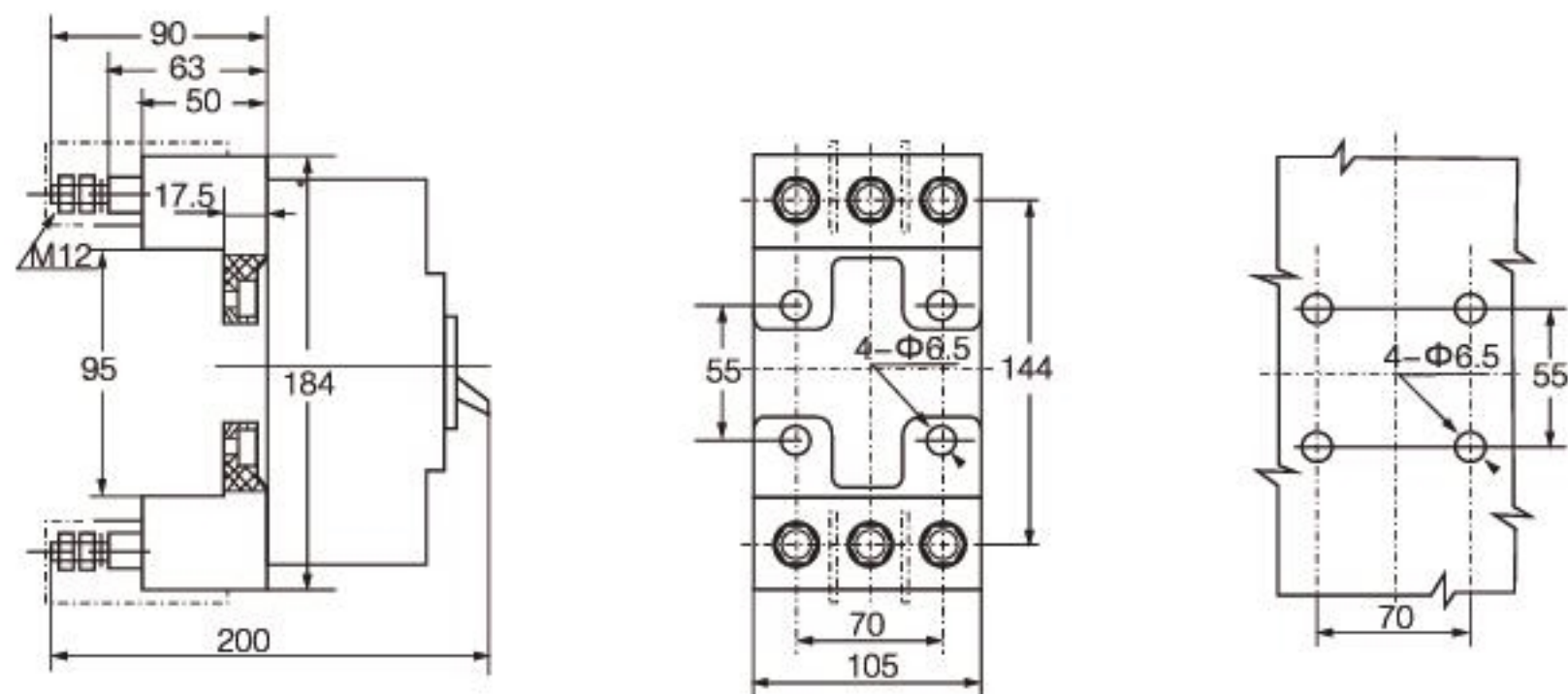
EBS1MZ-225 Front board wiring



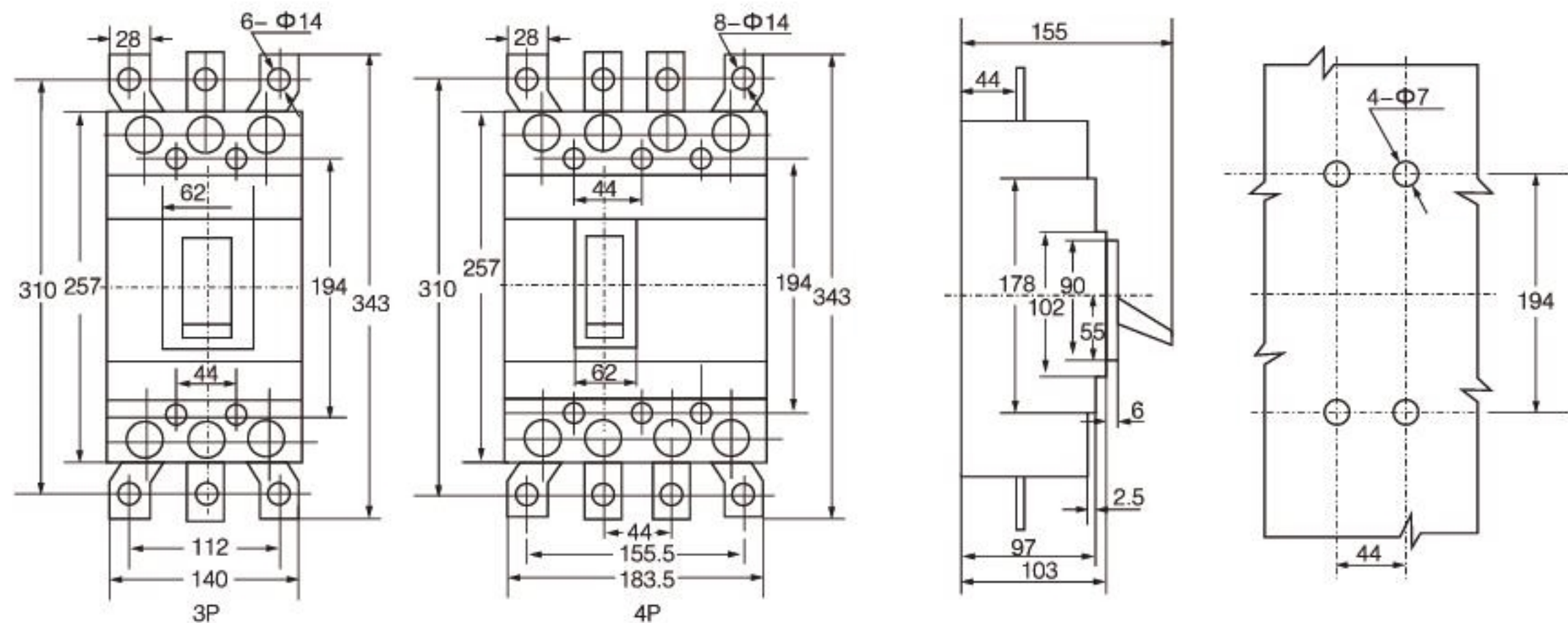
EBS1MZ-225 Back board wiring



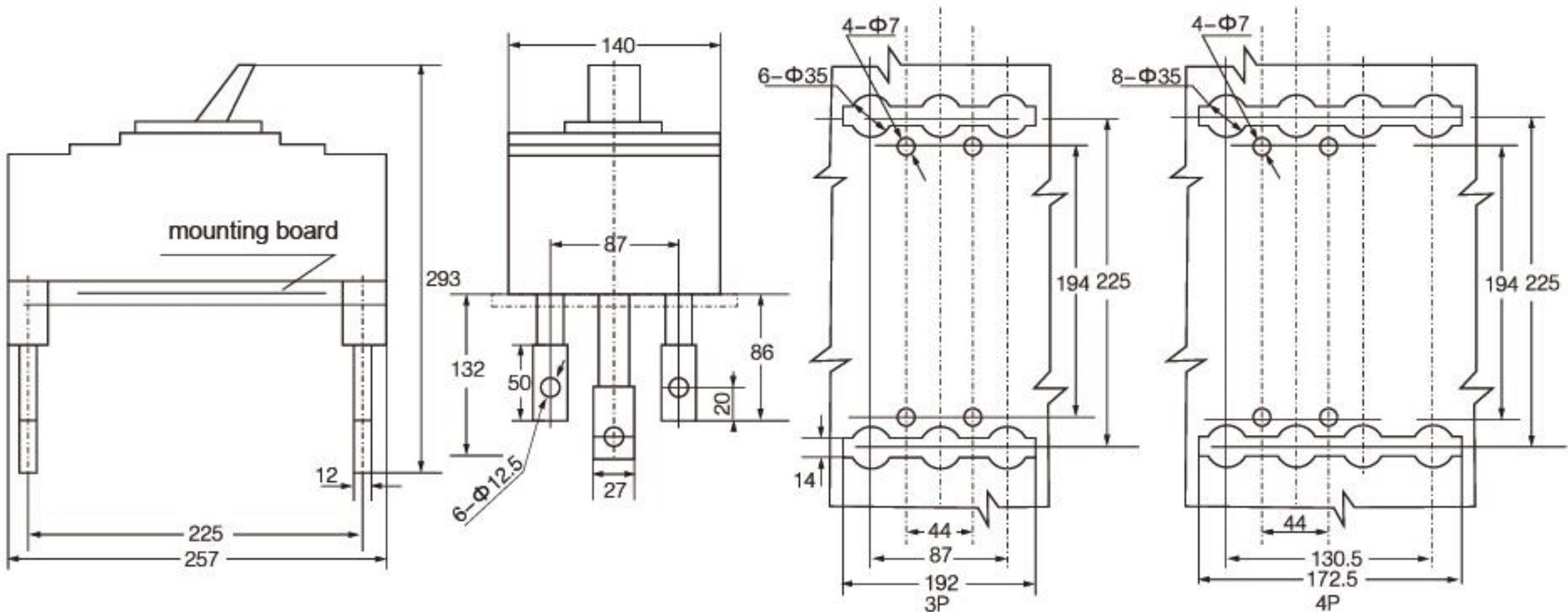
EBS1MZ-225 Plug-in board wiring



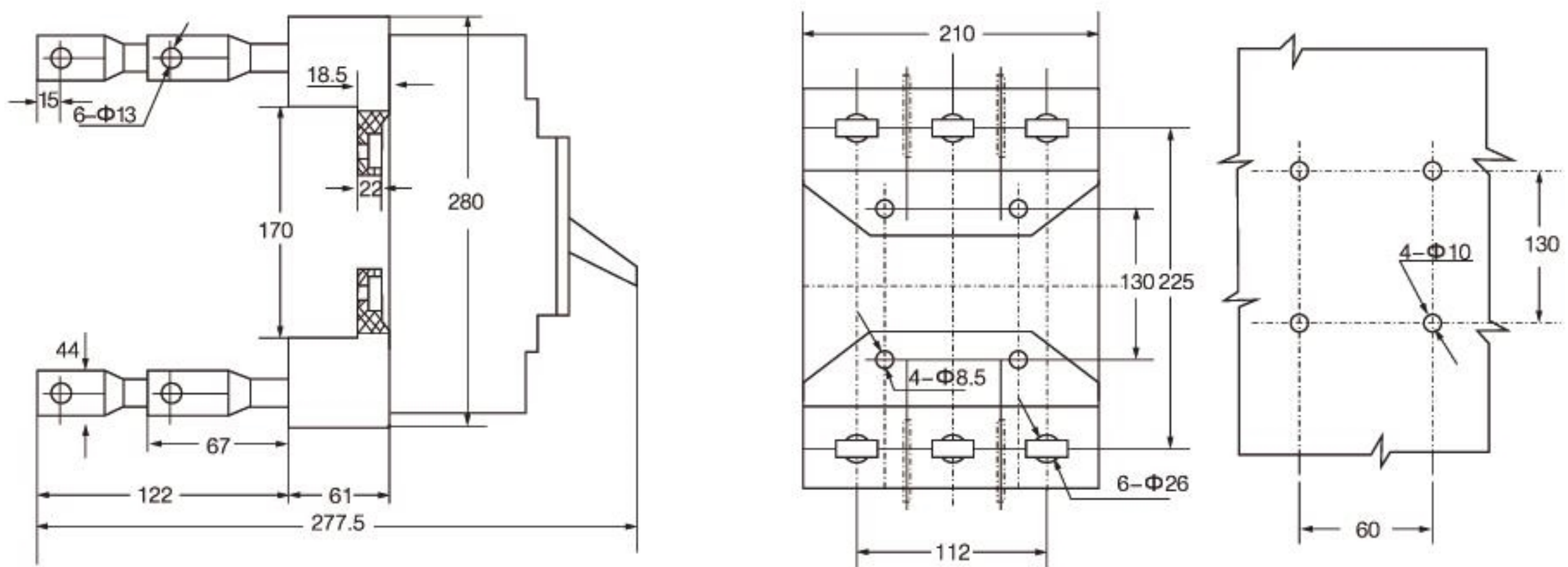
EBS1MZ-400 Front board wiring



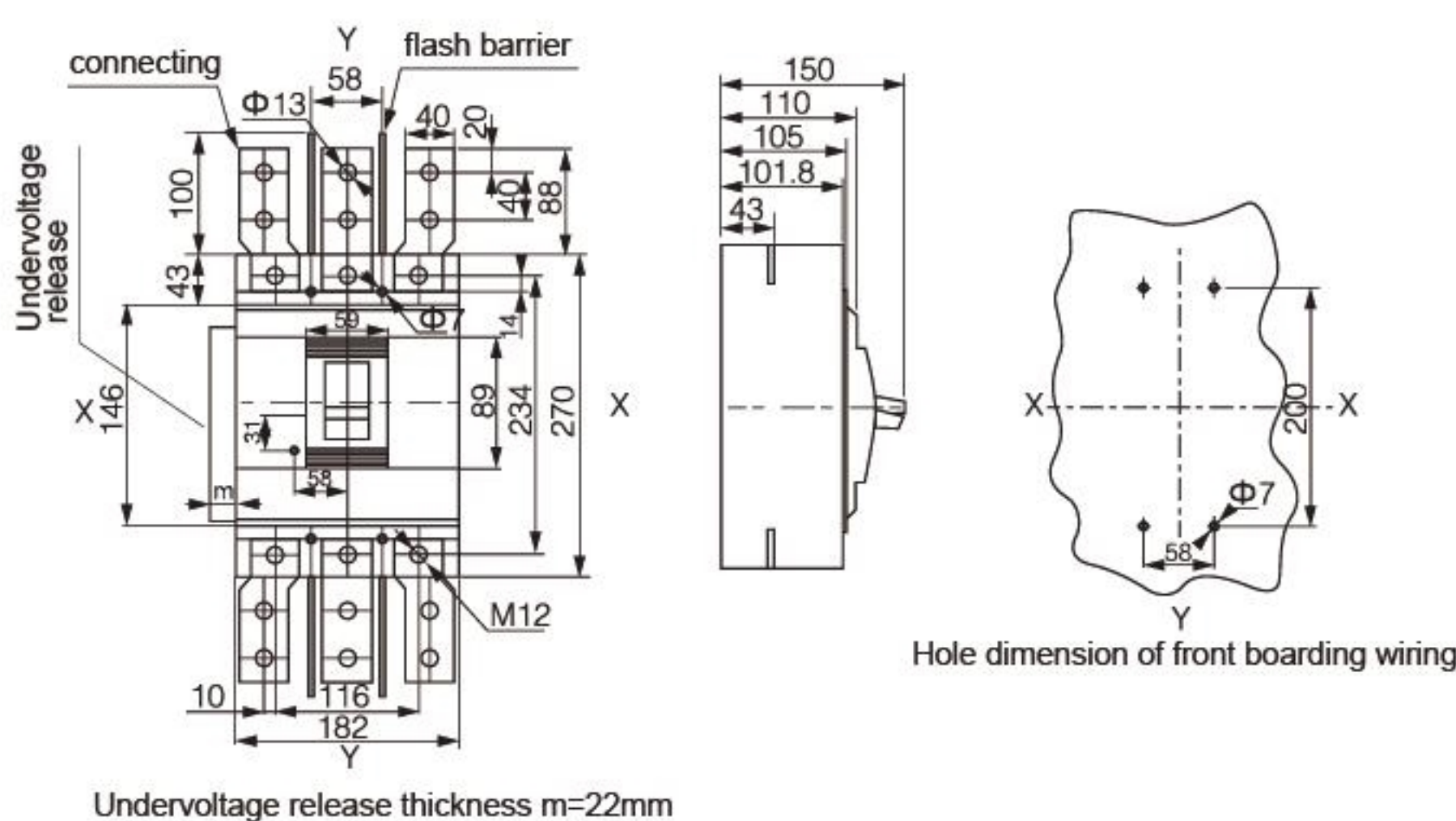
EBS1MZ-400 Back board wiring



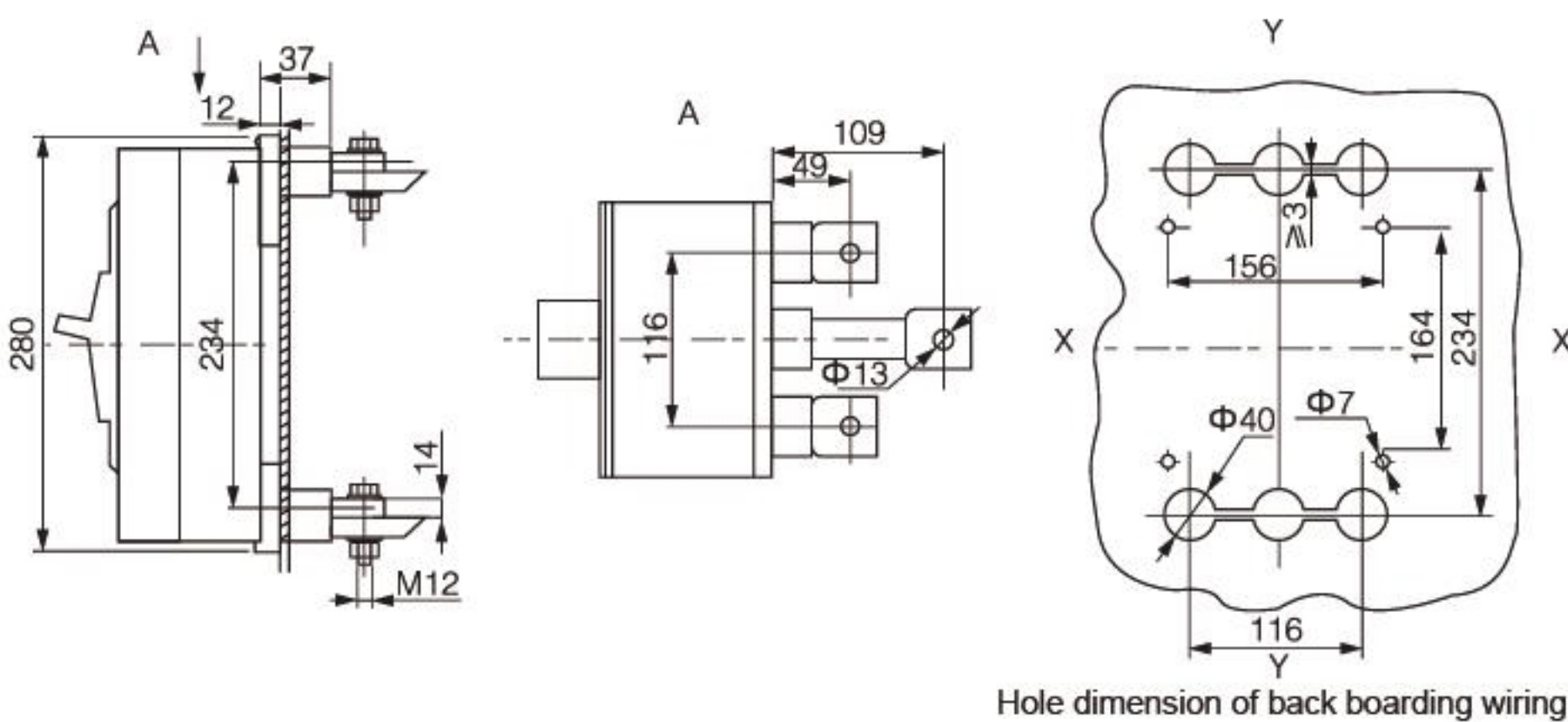
EBS1MZ-400 Plug-in Wiring



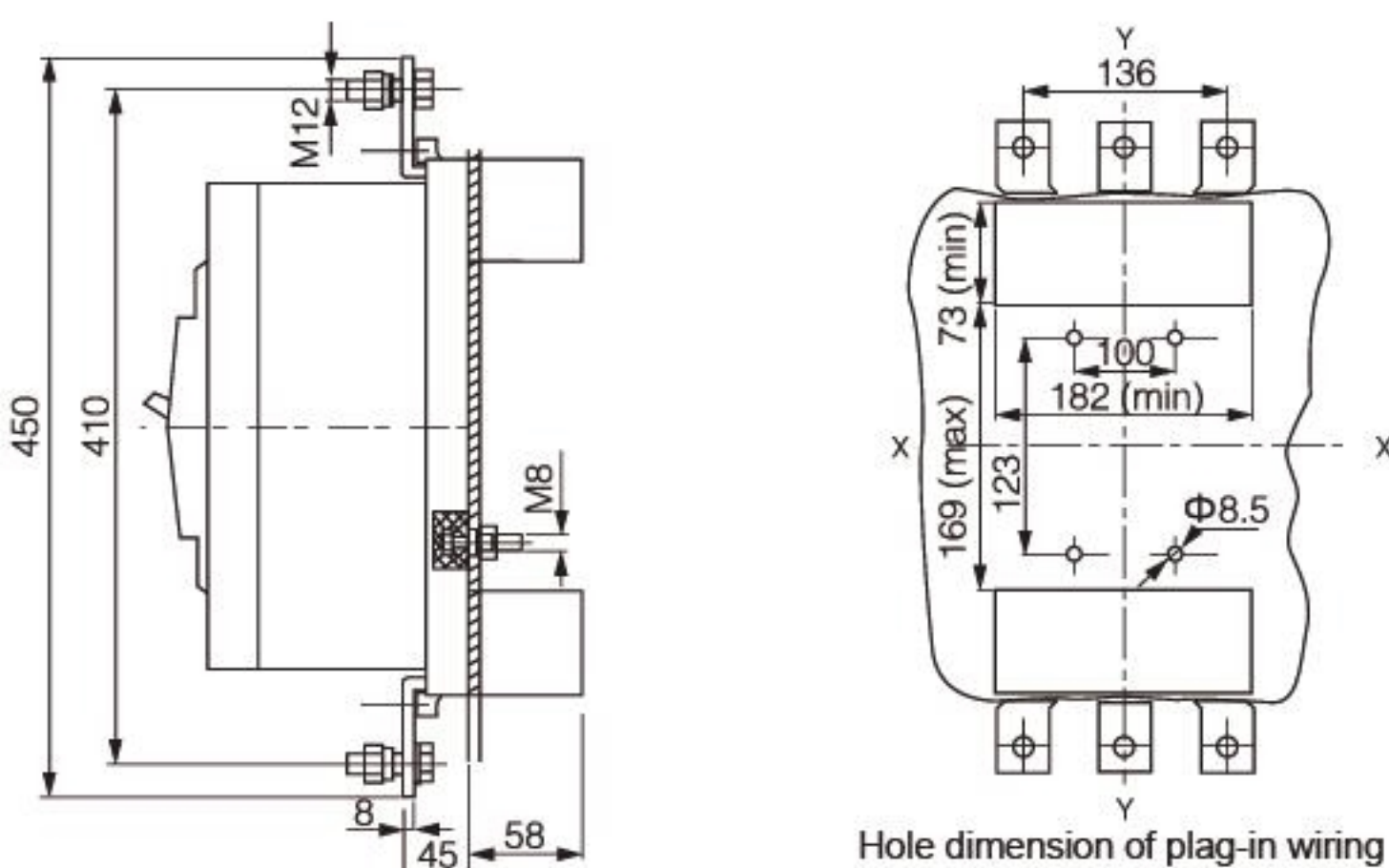
EBS1MZ-630 Front board wiring



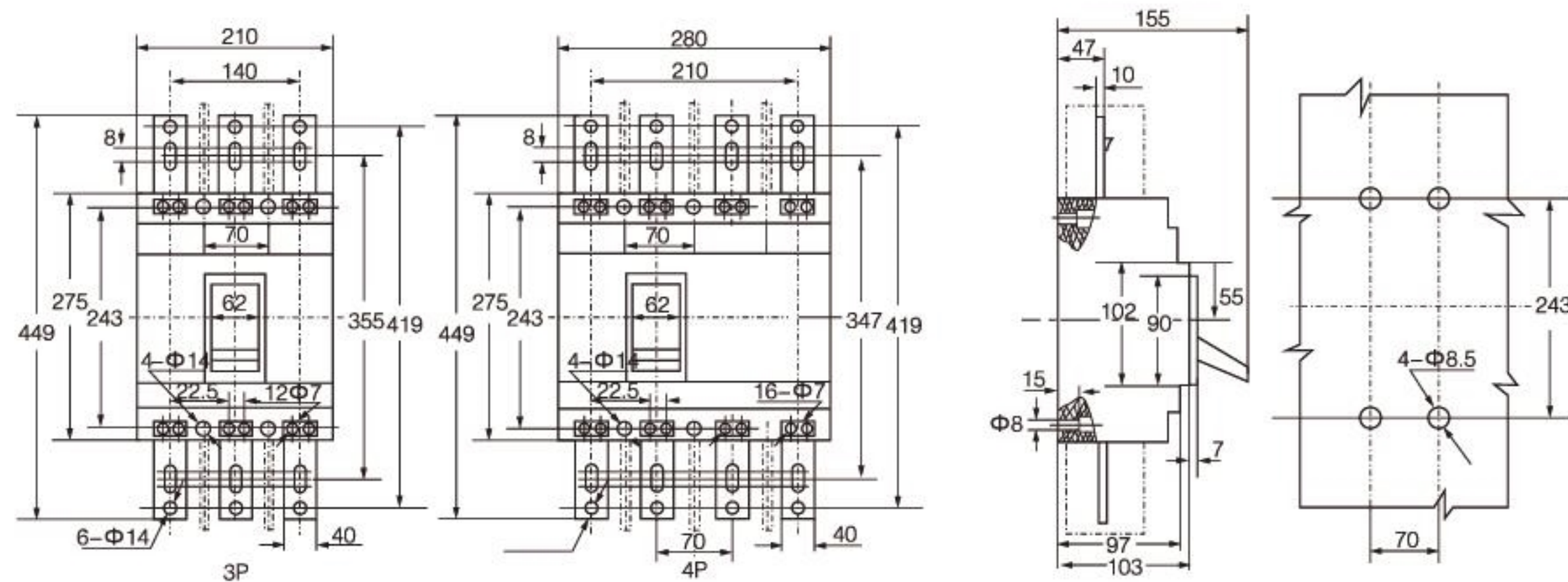
EBS1MZ-630 Back board wiring



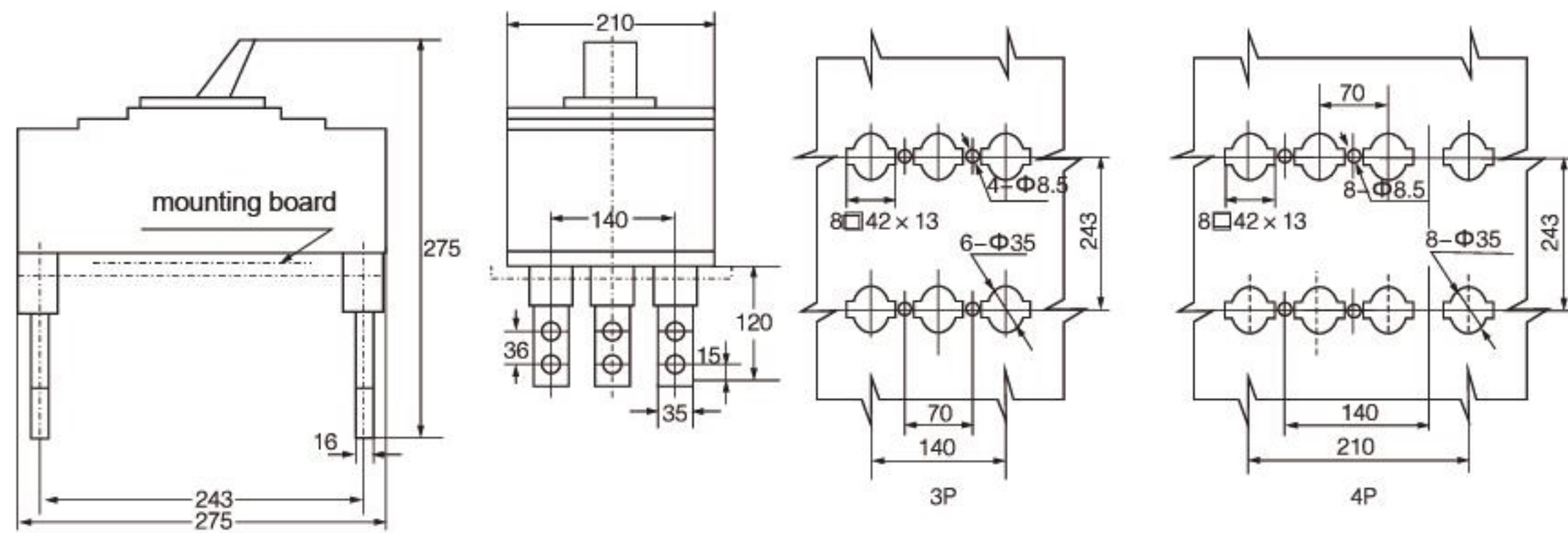
EBS1MZ-630 Plug-in wiring



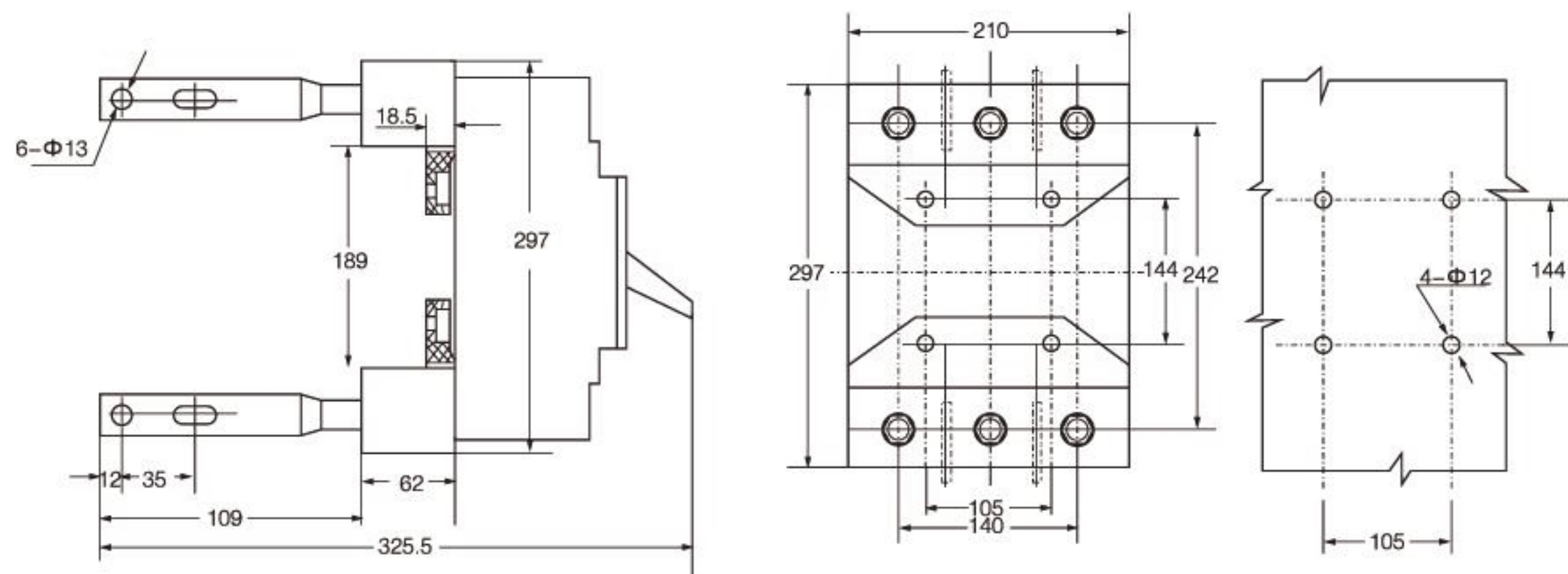
EBS1MZ-800 Front board wiring



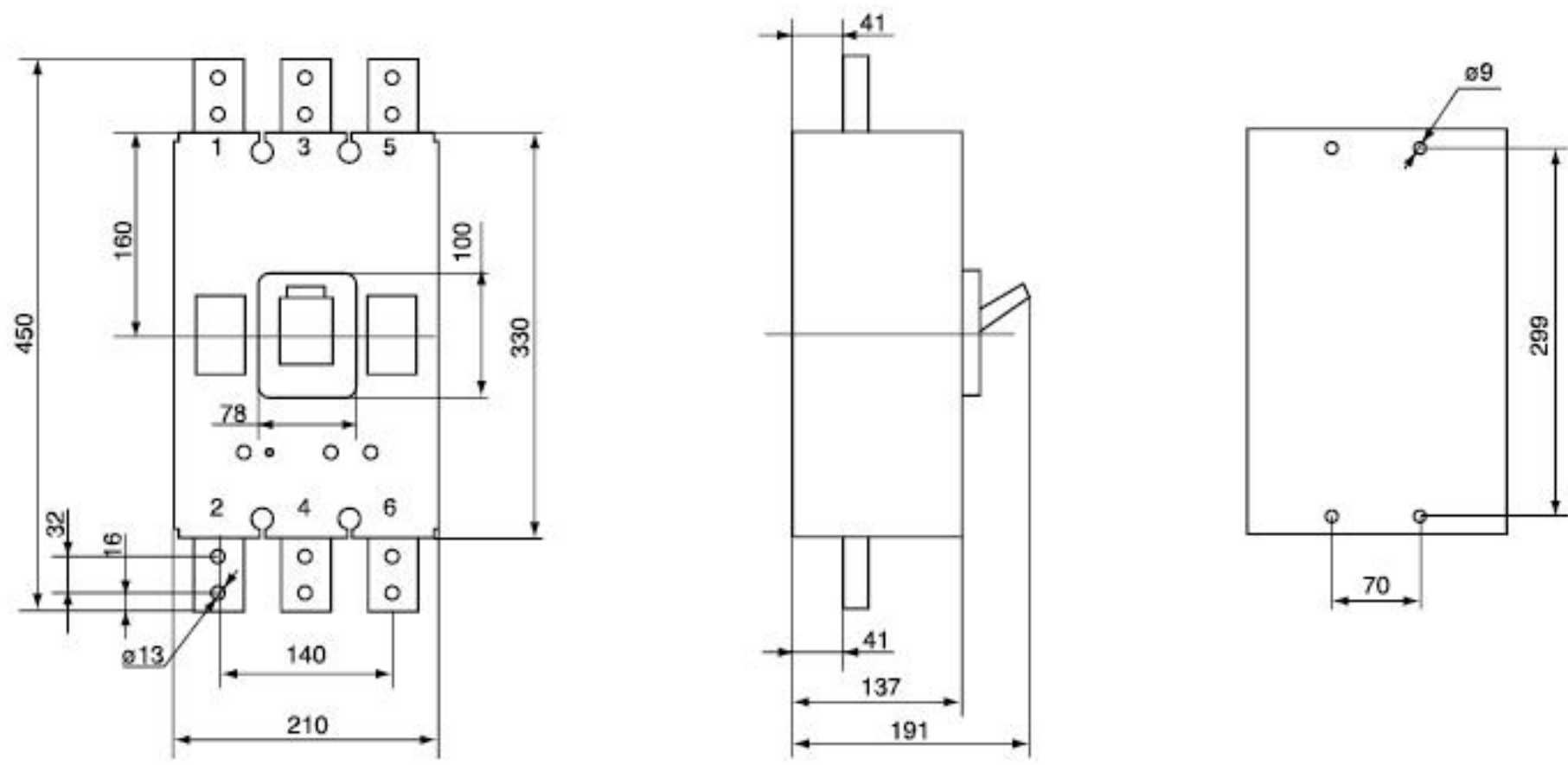
EBS1MZ-800 Back board wiring



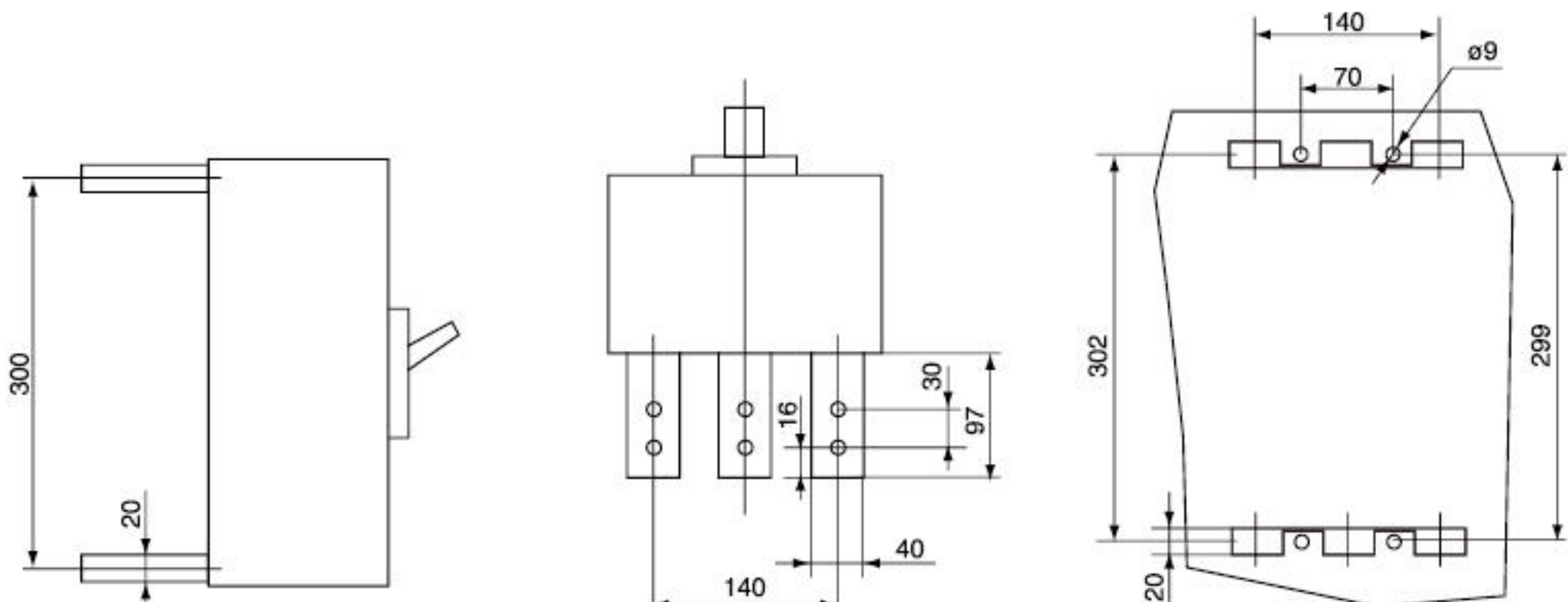
EBS1MZ-800 Plug-in wiring



EBS1MZ-1250 Front board wiring



EBS1MZ-1250 Back board wiring



9.Order Note

Following items should be marked when ordering	Ordering sample
Product name and model	To order EBS1MZ-225 DC MCCB, back board wiring, with handle operation mechanism, rated current is 225A, 3poles and wiring type:
Frame current	In on the top out at the bottom, quantity is 100 pieces. should be marked:
Wiring code	DC Moulded Case Circuit Breaker EBS1MZ-225/BZ225/3P Y1,
Accessories	100PCS.
Rated current	
Poles	
Wiring type	
Quantity	