



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



MODULAR TERMINAL



COMPANY PROFILE

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

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

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

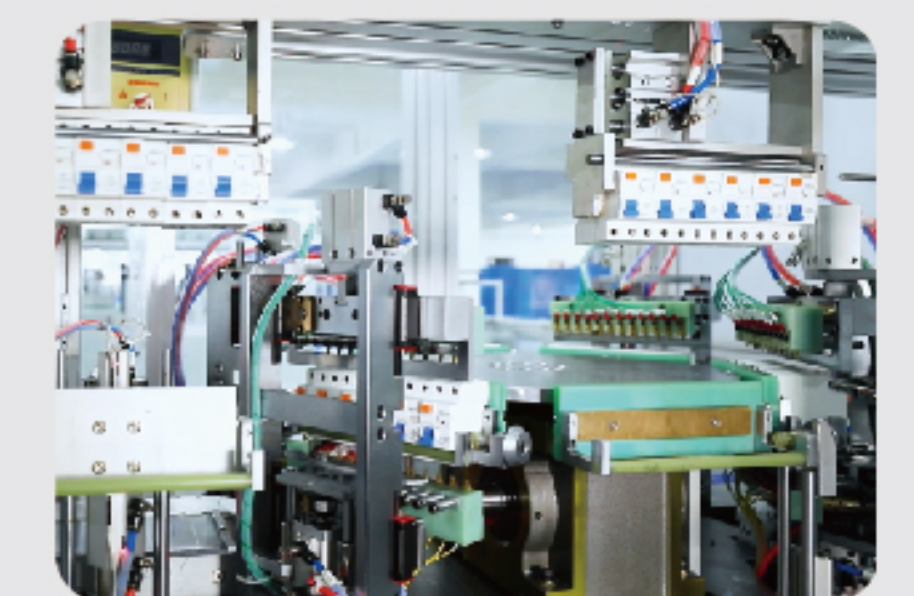
EBASEE focused on achieving growth through the success of worldwide partners. Guided by the philosophy of "market-oriented", powered by the idea of "Quick response and flexible supply", EBASEE support our worldwide partners to compete against established global players, to deliver the most systemetic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

"Smart life, Green EBASEE"



Quality is our culture!

PRODUCTION LINE

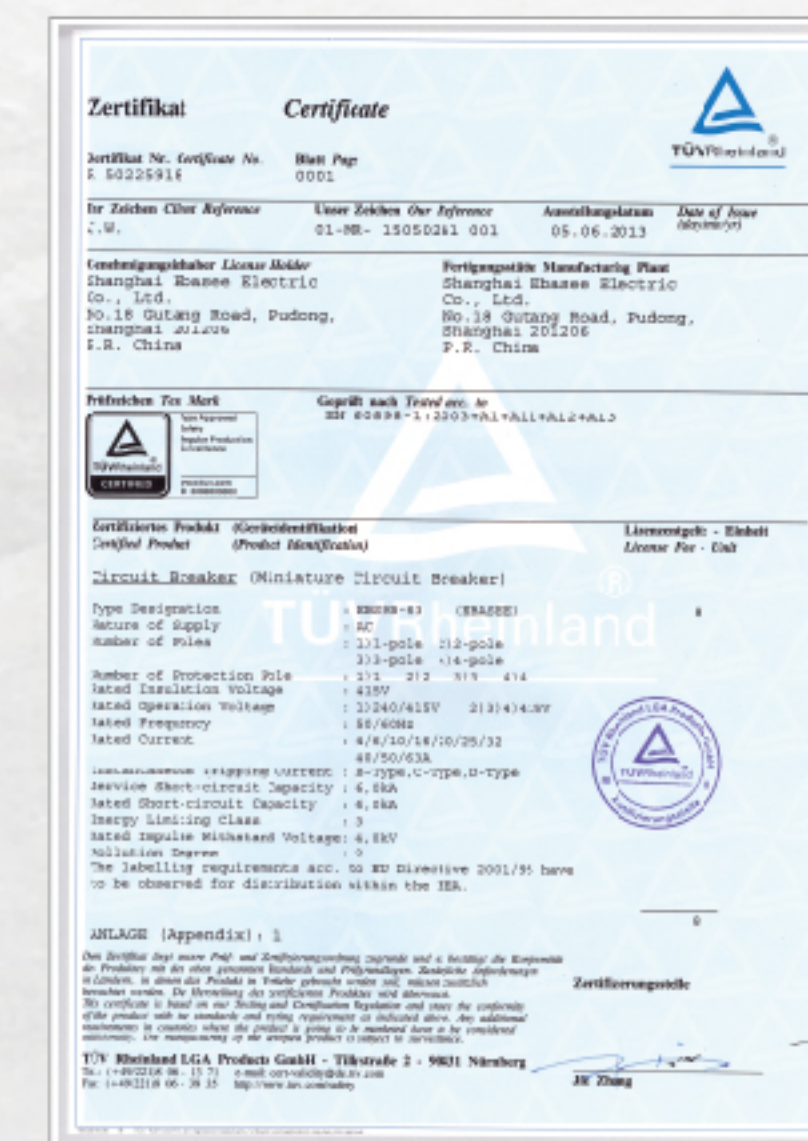
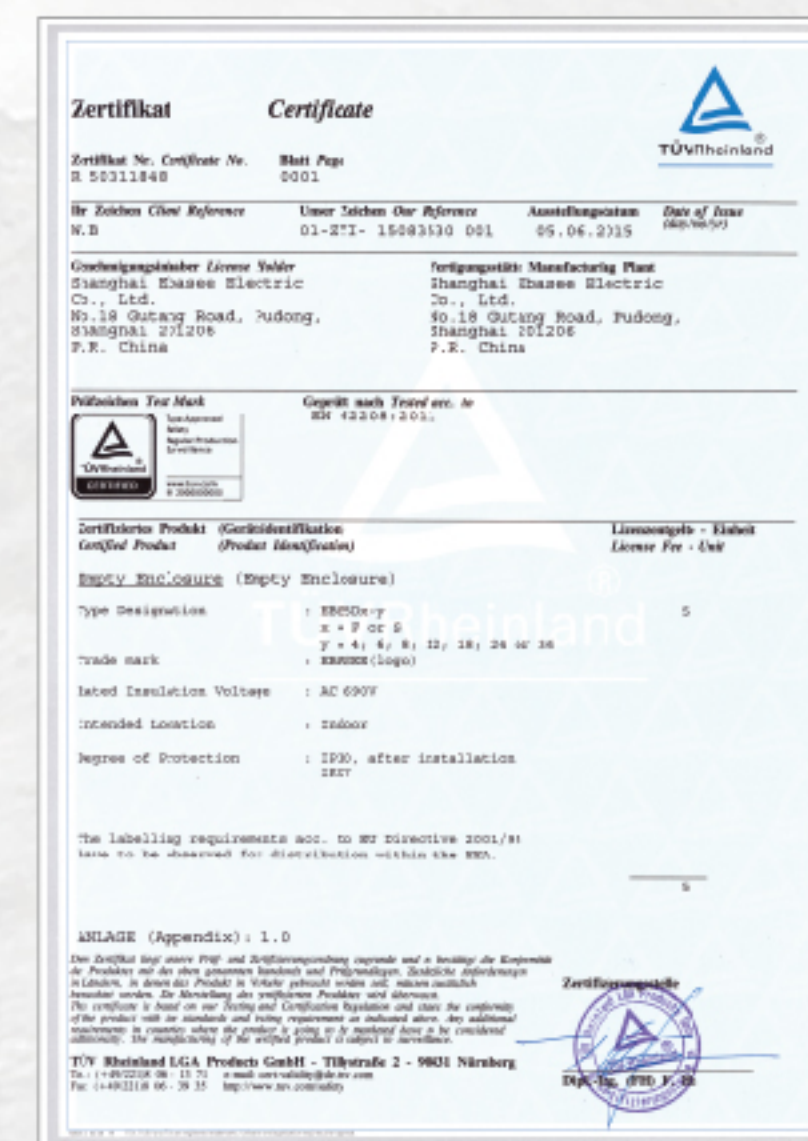
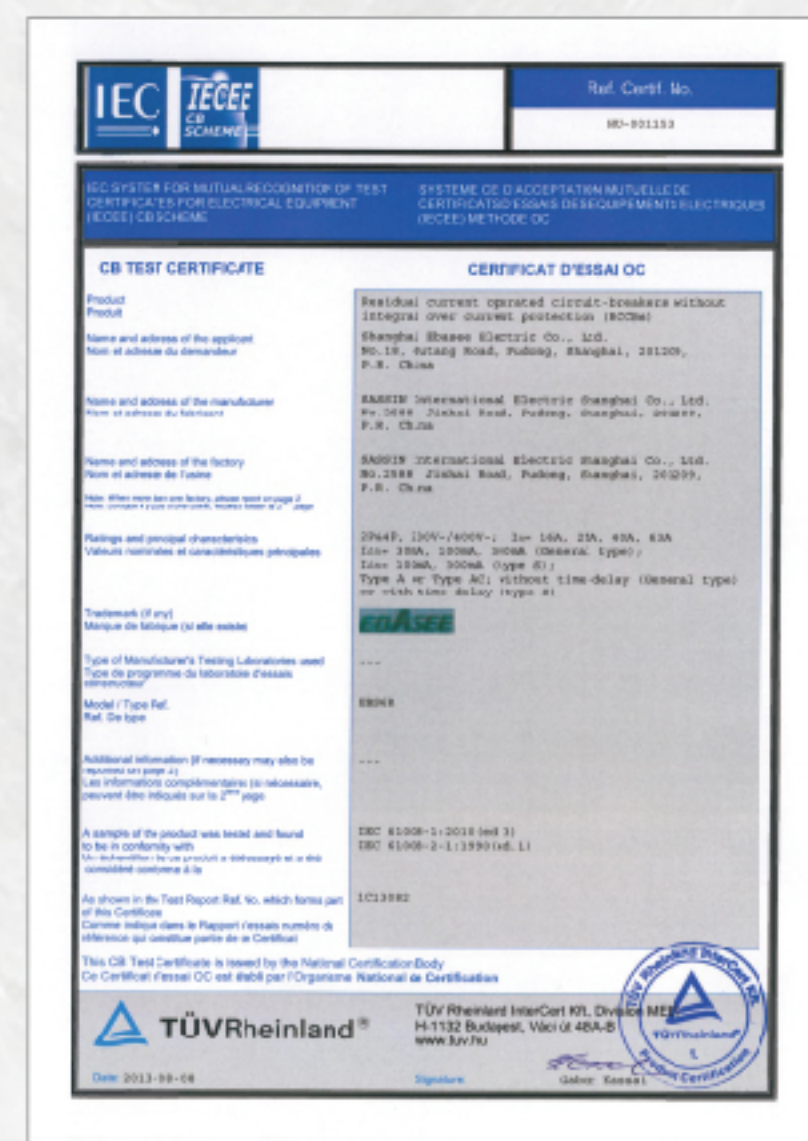
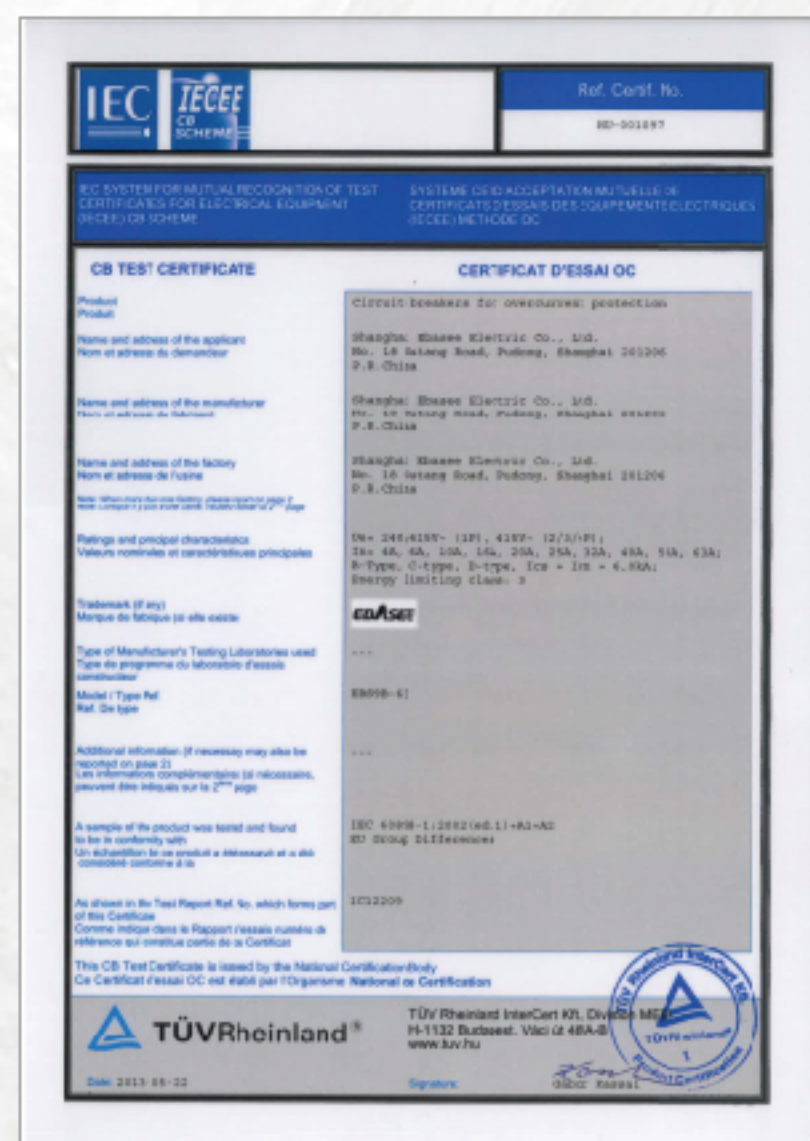


SMART LIVING GREEN EBASEE



INTERNATIONAL QUALITY CERTIFICATE

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

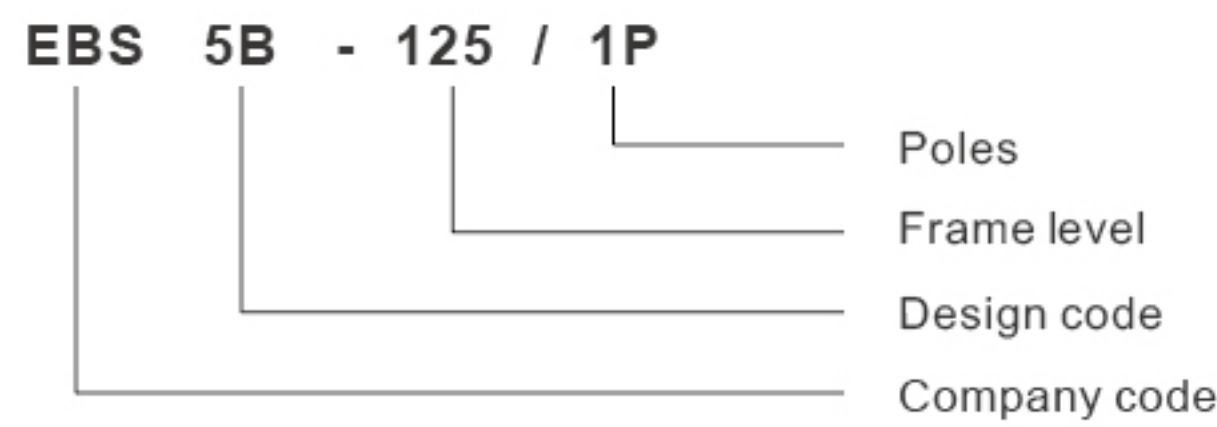


1.Function

EBS5B-125 Series circuit breaker is used in protection lighting or power distribution system from over-load and short-circuit, apply to the circuit of AC 50Hz/60Hz, rated voltage less than 415V. The product adopt high fire resistant and shockproof plastics, quality metal materials, which is neoteric in structure, light in weight, reliable in performance.
Products comply with IEC/EN60947-2.



2.Nomenclature



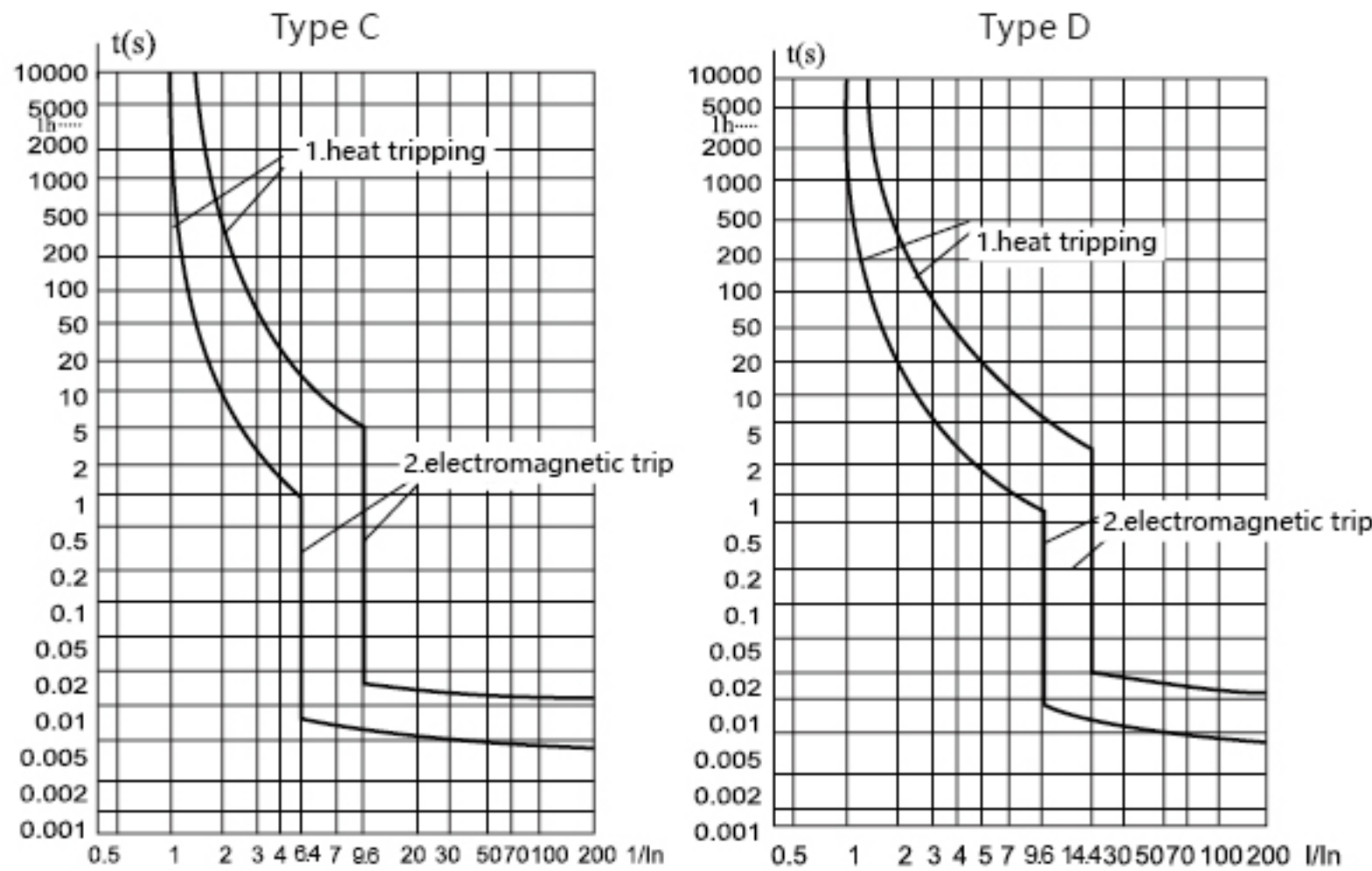
3.Specifications

Type	Standard		IEC/EN 60898-1
Electrical features	Rated current In	A	63, 80, 100, 125
	Poles	P	1, 2, 3, 4, 1P+N, 3P+N
	Rated voltage Ue	V	240/415
	Insulation voltage Ui	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity	A	10000(For:H);6000(For:/)
	Rated impulse withstand voltage(1.2/50)Uimp	V	6000
	Dielectric test voltage at ind. Freq. for 1min	kV	2.5
	Pollution degree		3
	Thermo-magnetic release characteristic		C, D
Mechanical features	Electrical life	t	1500
	Mechanical life	t	8000
	Protection degree		IP20
	Reference temperature for setting of thermal element	℃	30
	Ambient temperature (with daily average≤35℃)	℃	-5~+40
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable/Pin-type busbar
	Terminal size top / bottom for cable	mm²	35
		AWG	18-1/0
	Terminal size top / bottom for busbar	mm²	35
		AWG	18-1/0
	Tightening torque	N*m	3.5
		ln-lbs	31
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device
	Connection		From top and bottom

4.Release

Item	Tripping Curve	Test current In(A)	Initial Status	Time limit for tripping or non-tripping	Expected result	Remarks
a	C/D	1.05In	Cold	1h (In≤63A) 2h (In>63A)	Non-tripping	Current smoothly rises to specified value within 5s
b	C/D	1.3In	Following item a test	1h (In≤63A) 2h (In>63A)	Tripping	
c	C/D	2In	Cold	1s<t<300s	Tripping	
d	C	8In×80%	Cold	t≤0.2s	Non-tripping	Switch on the power supply by closing the auxiliary switch
	D	12In×80%			Non-tripping	
e	C	8In×120%	Cold	t<0.2s	Tripping	
	D	12In×120%			Tripping	

Note: The term"cold "means that the test is carried out at a reference calibration temperature without load before the test.



5.Conductor

Copper cross-section(mm²)	Rated current In(A)
1	In≤6
1.5	6<In≤13
2.5	13<In≤20
4	20<In≤25
6	25<In≤32
10	32<In≤50
16	50<In≤63
25	63<In≤80
35	80<In≤125

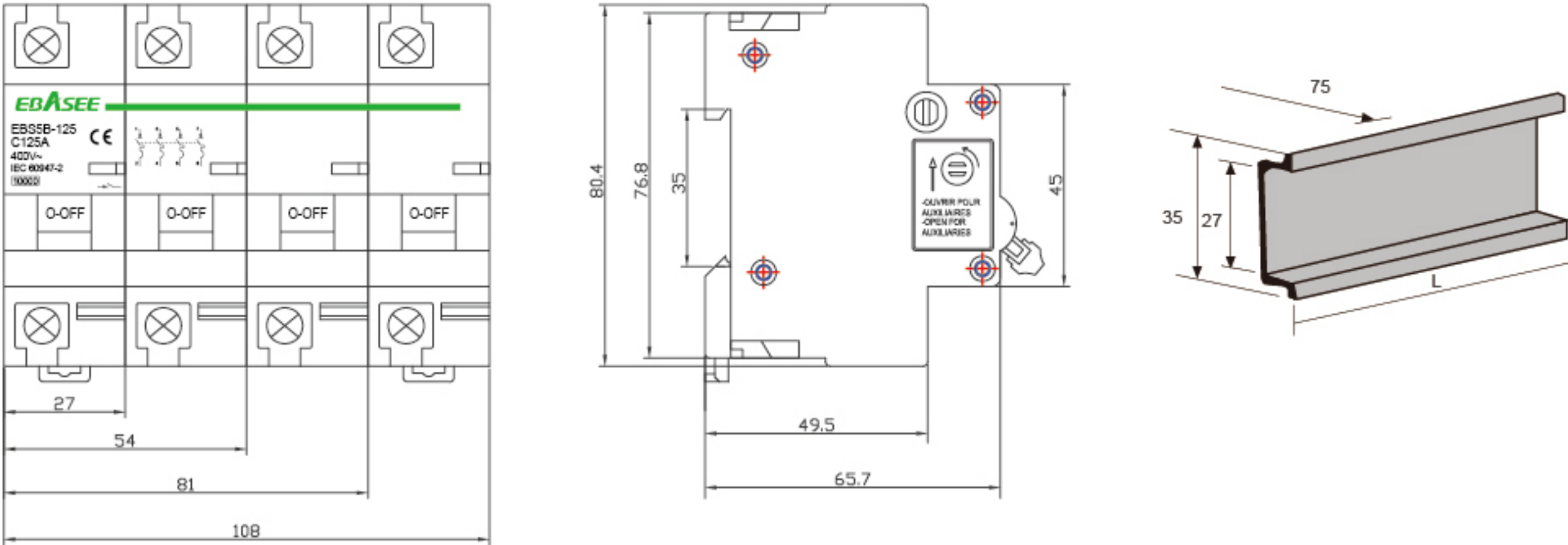
6. Temperature Derating

The maximum permissible current in a circuit breaker depends on the ambient temperature where the circuit breaker is placed. Ambient temperature is the temperature inside the enclosure or switchboard in which the circuit breakers are installed. The reference temperature is 30 °C.

When several simultaneously operating circuit breakers are mounted side by side in a small enclosure, the temperature rise inside the enclosure causes a reduction in current rating.

You must then assign the rating (already derated if necessary according to ambient temperature), a downrating factor of 0.8.

7. Dimensions



8. Order Note

Following items should be marked when ordering	Ordering sample
Product name, model & frame level	To order EBS5B-125 miniature circuit breaker, 2 Poles, curve C,
Poles	rated current 20A, breaking capacity 10kA, quantity is 100 pieces,
Tripping characteristic and rated current	should be marked:
Quantity	MCB EBS5B-125/2PC20/10kA 100PCS.