



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.

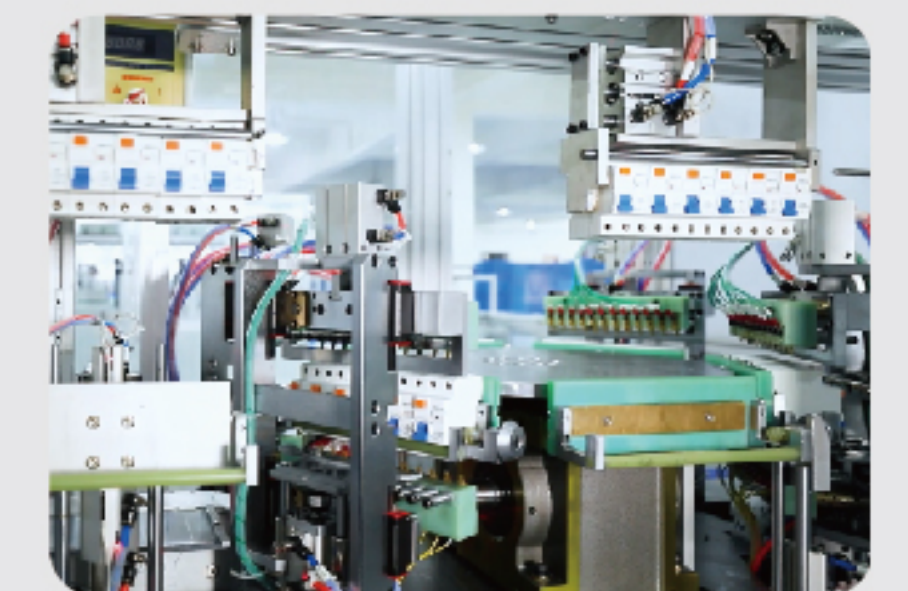
EBASEE focused on achieving growth through the success of worldwide partners. Guided by the philosophy of "market-oriented", powered by the idea of "Quick response and flexible supply", EBASEE support our worldwide partners to compete against established global players, to deliver the most systemetic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

"Smart life, Green EBASEE"



Quality is our culture!

PRODUCTION LINE

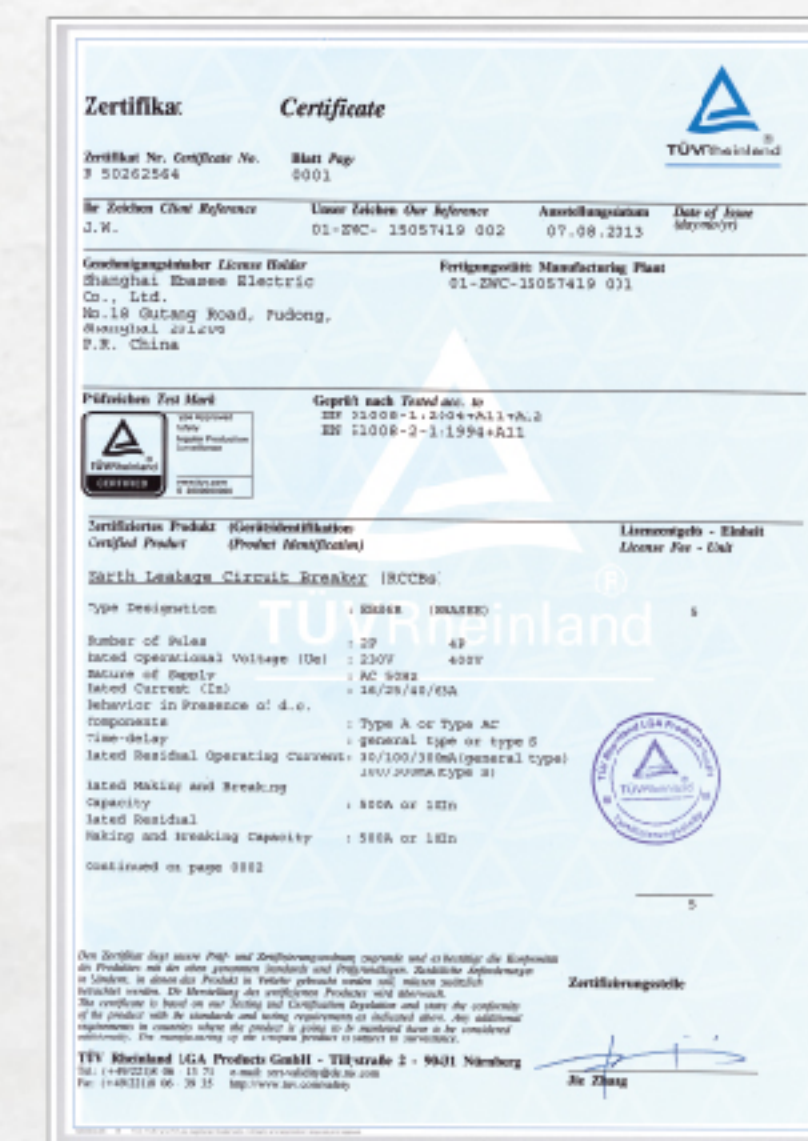
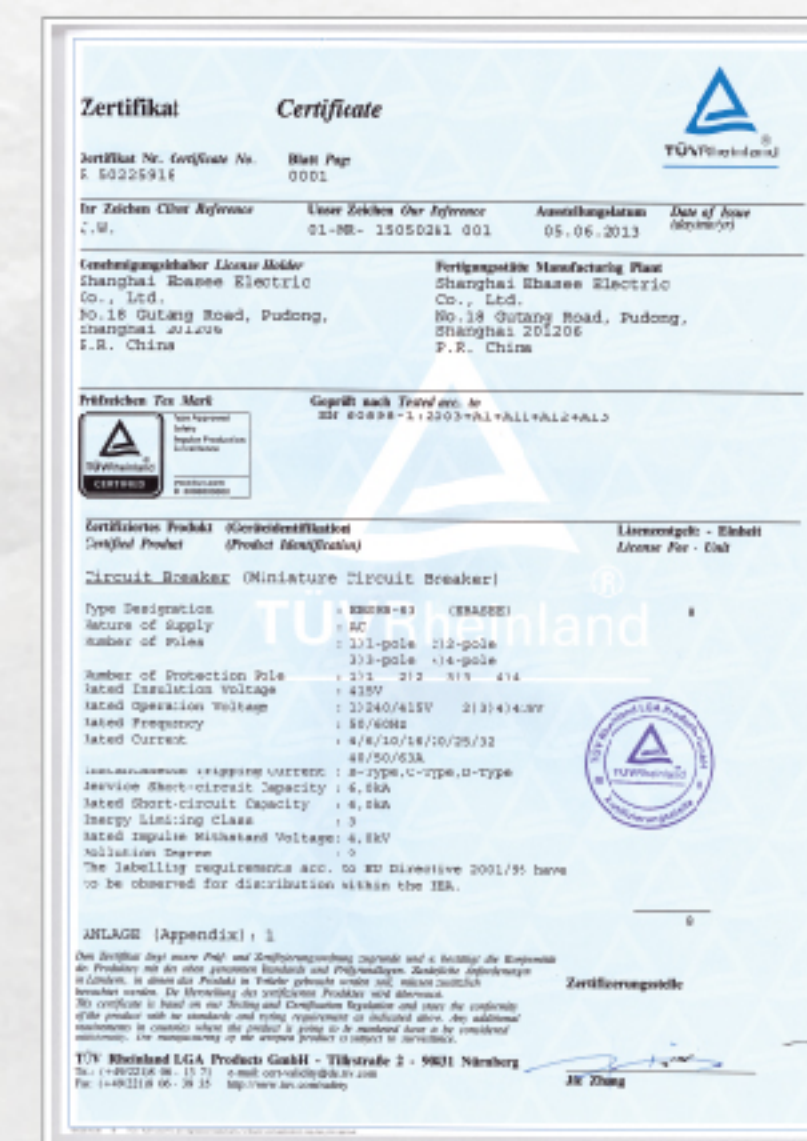
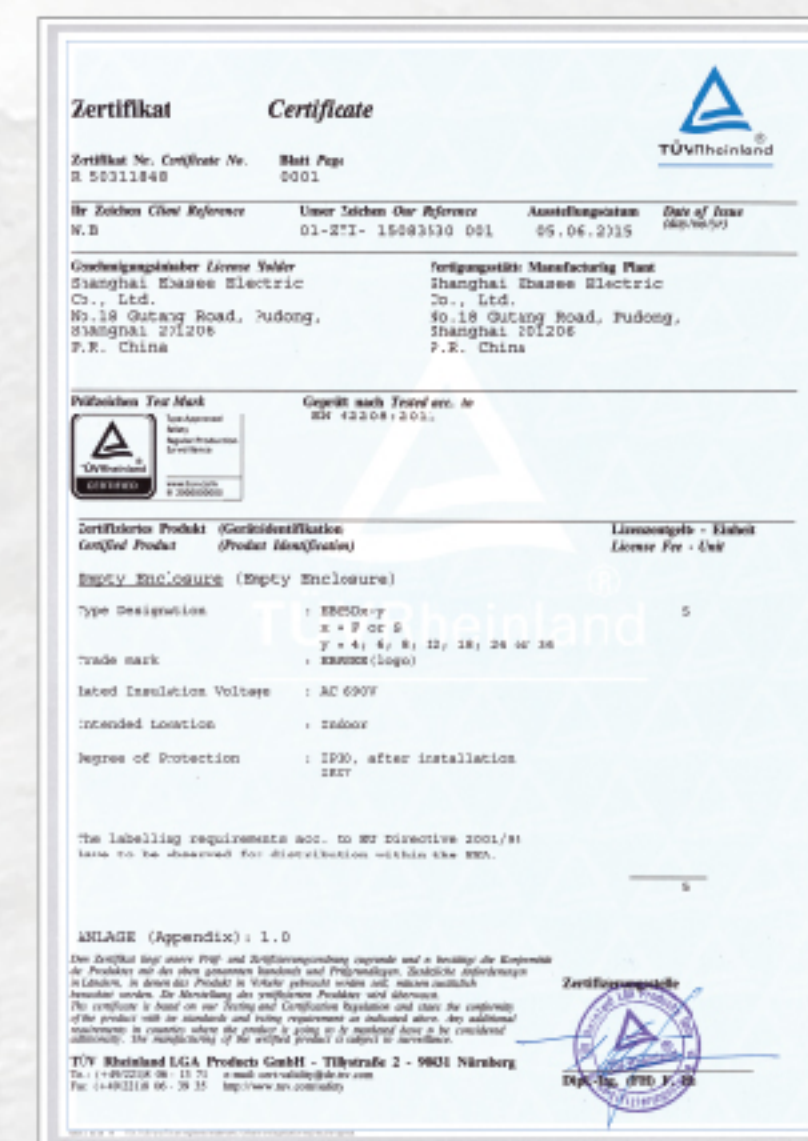
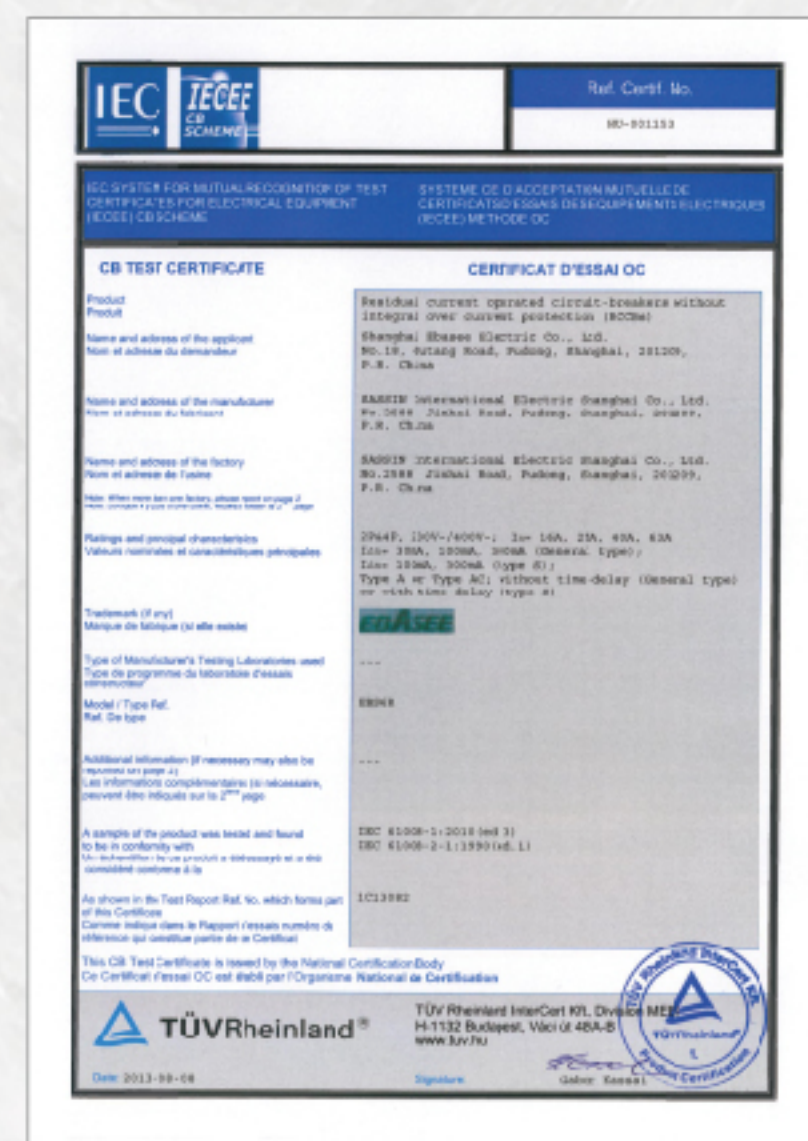
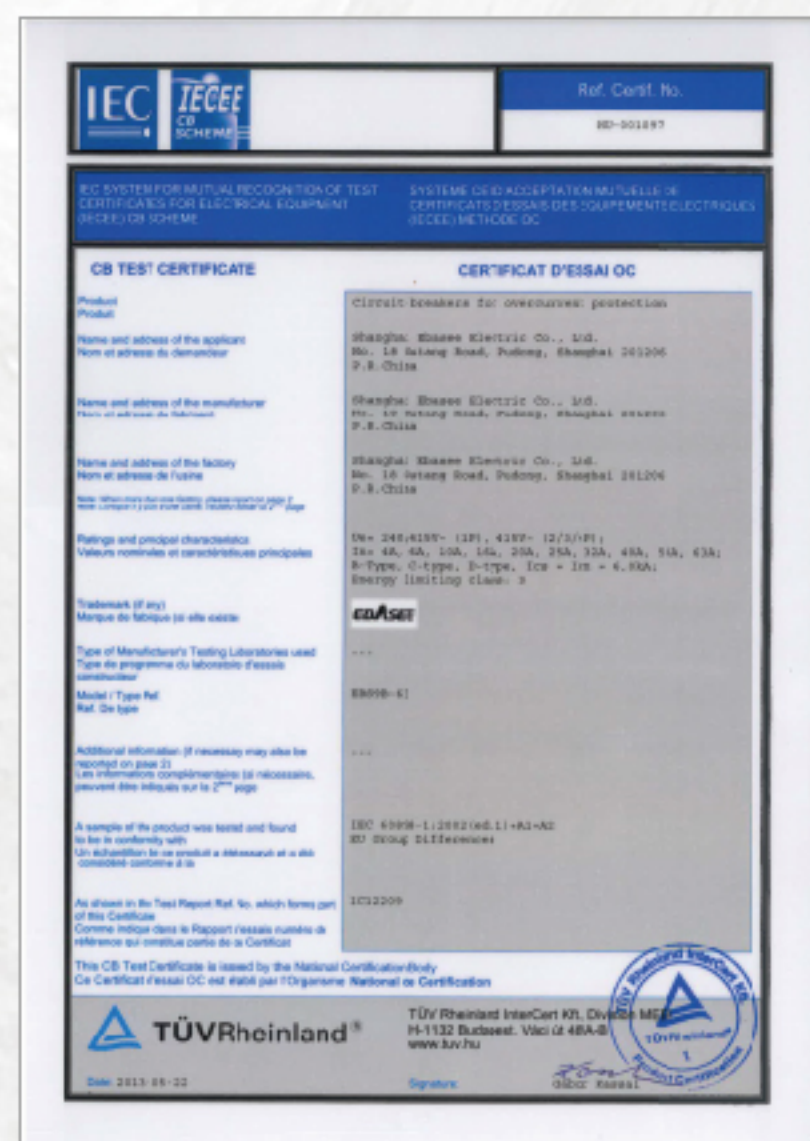


SMART LIVING GREEN EBASEE



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

The RCBO is electronic type with high reliability as its function hasnothing with the voltage of the power.

With two handles, the circuit breaker and RCD operate separately. When it is over current, only the handle of breaker disconnect. So has the function of judging the error.

With contact indicator (red and green). And Plug-in installation type.

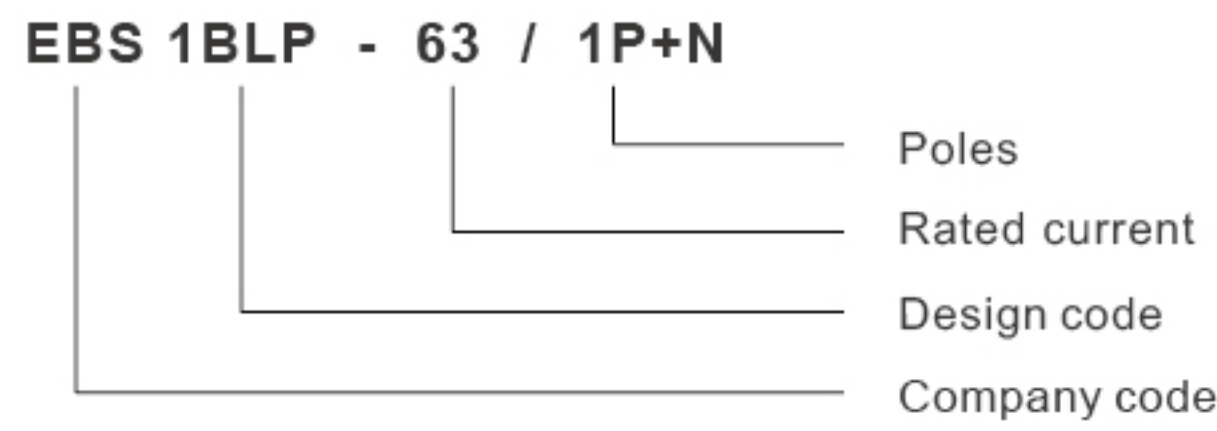
With indicative cover where can put the tag (which is used to mark the control circuit).

When fault caused in the circuit, the handle will stop in the central position, which can be used to judge if the breaker cut-off artificially or automatically. When fault is solved, the breaker only can be switched on after the handle is put on the position of “off ”.

Both the cover and handset are with rational curvature, comfortable handles and compact appearance design.



2.Nomenclature



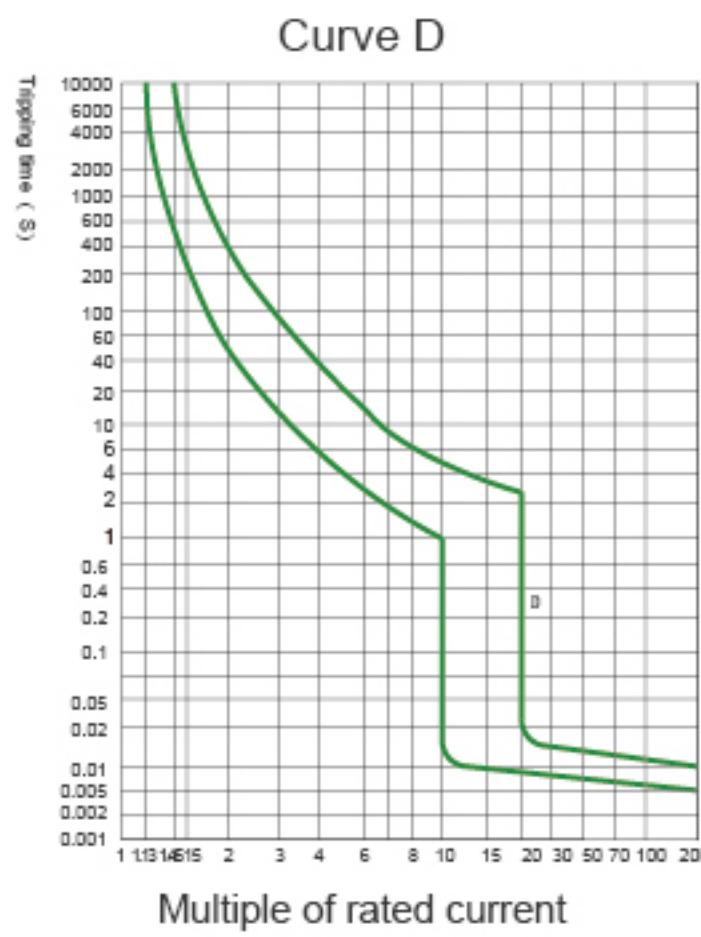
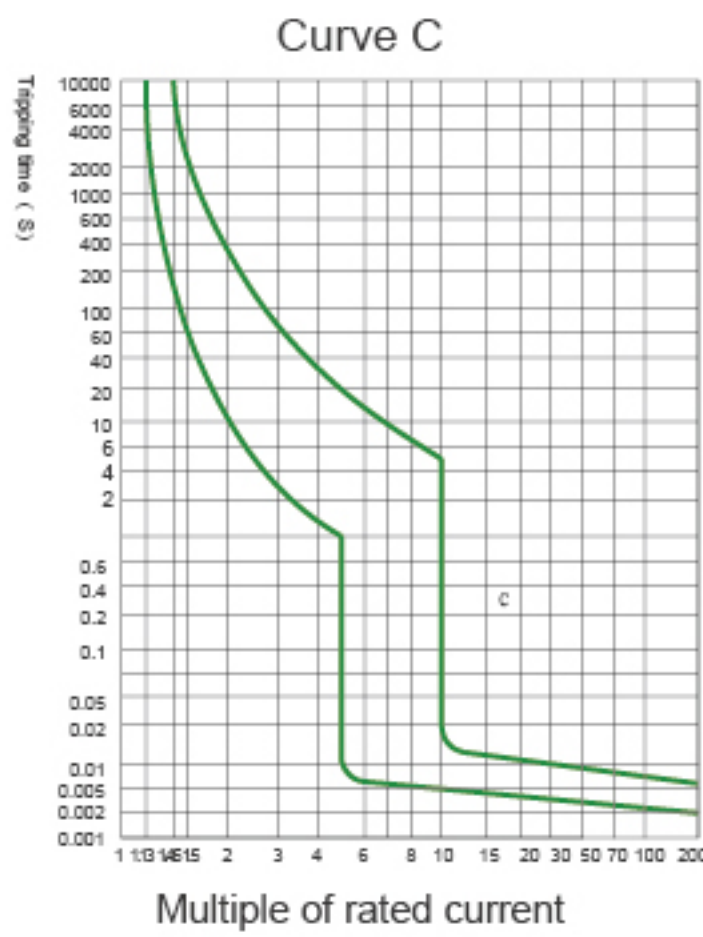
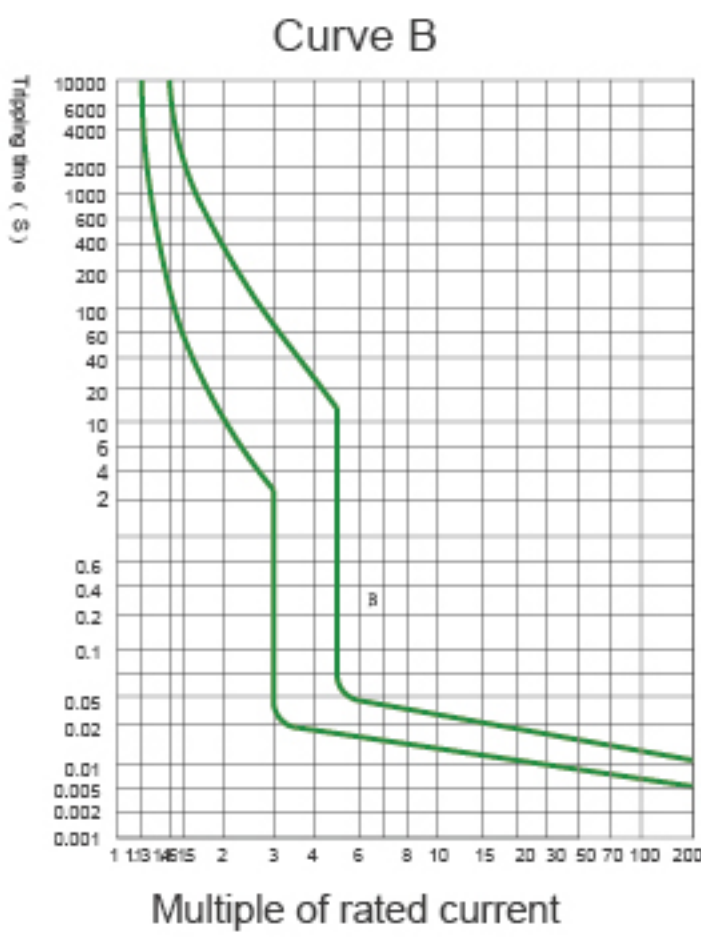
3.Specifications

Standard		IEC/EN 61009-1
Type		Electronic type
Residual current characteristics		AC
Poles	P	1P+N
Tripping characteristic		B, C, D
Rated short-circuit capacity	kA	6kA
Rated current (A)	A	6, 10, 16, 20, 25, 32, 40, 50, 63
Rated voltage		240V AC 50/60Hz
Rated residual operating current(mA)	mA	10mA, 30mA,100mA, 300mA
Tripping duration		instantaneous≤0.1s
Electro-mechanical endurance		5000 cycles
Mechanical durability		20000 cycles
IP degree of protection		IP20
Installation		Plug in

4.Release

Item	Tripping Curve	Test current In(A)	Initial Status	Time limit for tripping or non-tripping	Expected result	Remarks
a	B/C/D	1.13In	Cold	t≤1h	Non-tripping	Current smoothly rises to specified value within 5s
b	B/C/D	1.45In	Following item a test	t<1h	Tripping	
c	B/C/D	2.55In	Cold	1s<t<60s(In≤32A) 1s<t<120s(In>32A)	Tripping	
d	B	3In	Cold	t≤0.1s	Non-tripping	Switch on the power supply by closing the auxiliary switch
	C	5In				
	D	10In				
e	B	5In	Cold	t<0.1s	Tripping	
	C	10In				
	D	20In				

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

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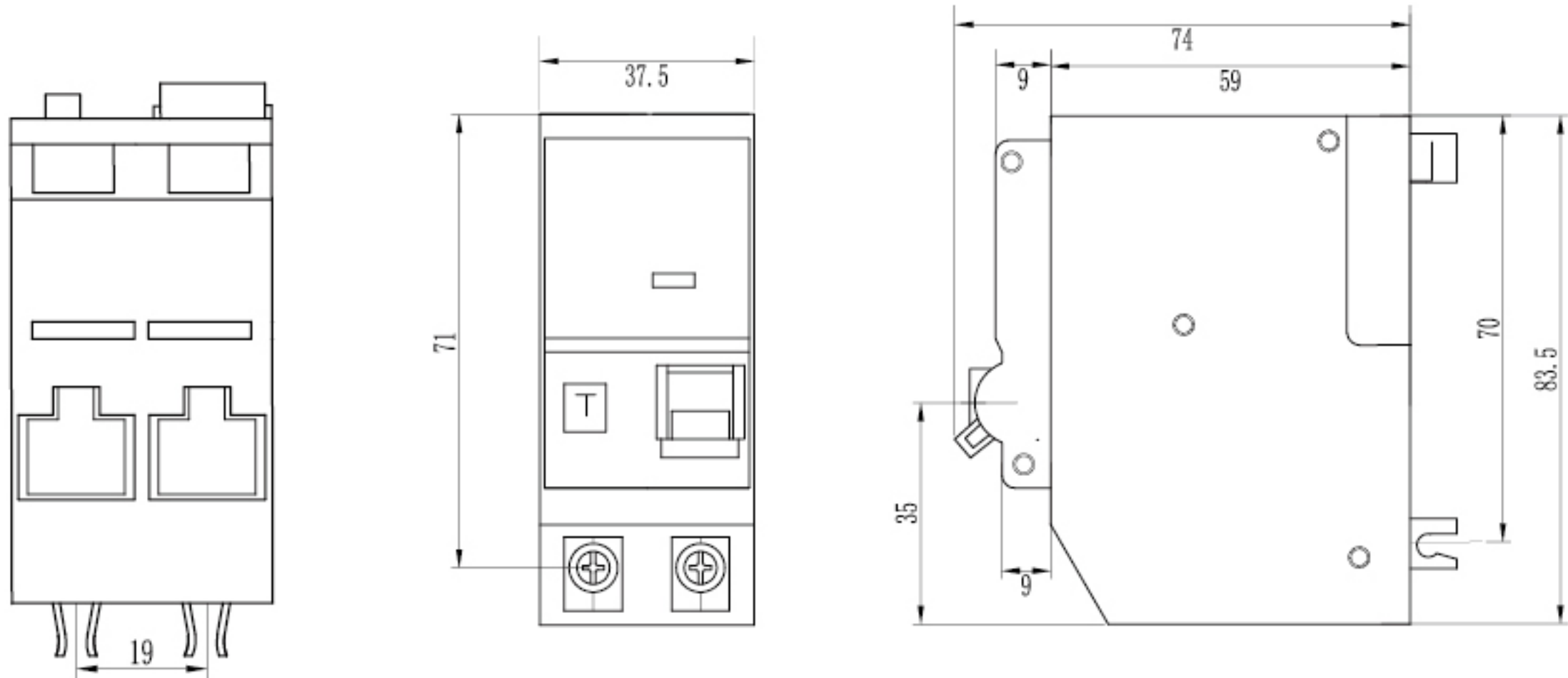
6.Temperature Derating

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℃.

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 the EBS1BLP RCBO,frame level 63A, 1P+N, rated current is
Poles	20A, tripping curve is C, rated residual current 30mA 6kA and quantity
Tripping characteristic and rated current	is 100 pieces, should be marked:
Quantity	RCBO EBS1BLP/C20/30mA, 6kA 100pcs.