



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.

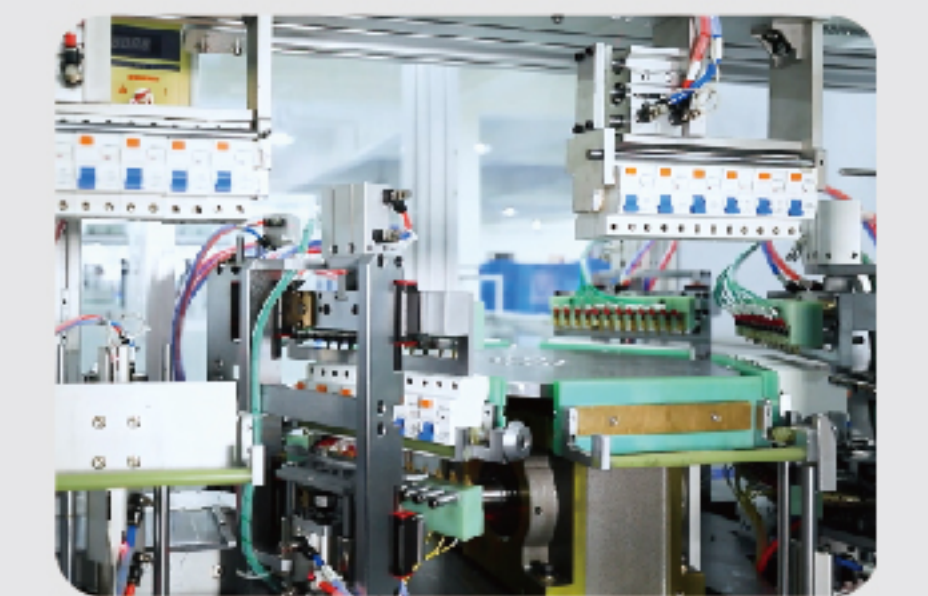
EBASEE focused on achieving growth through the success of worldwide partners. Guided by the philosophy of "market-oriented", powered by the idea of "Quick response and flexible supply", EBASEE support our worldwide partners to compete against established global players, to deliver the most systematic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

"Smart life, Green EBASEE"



Quality is our culture!

PRODUCTION LINE

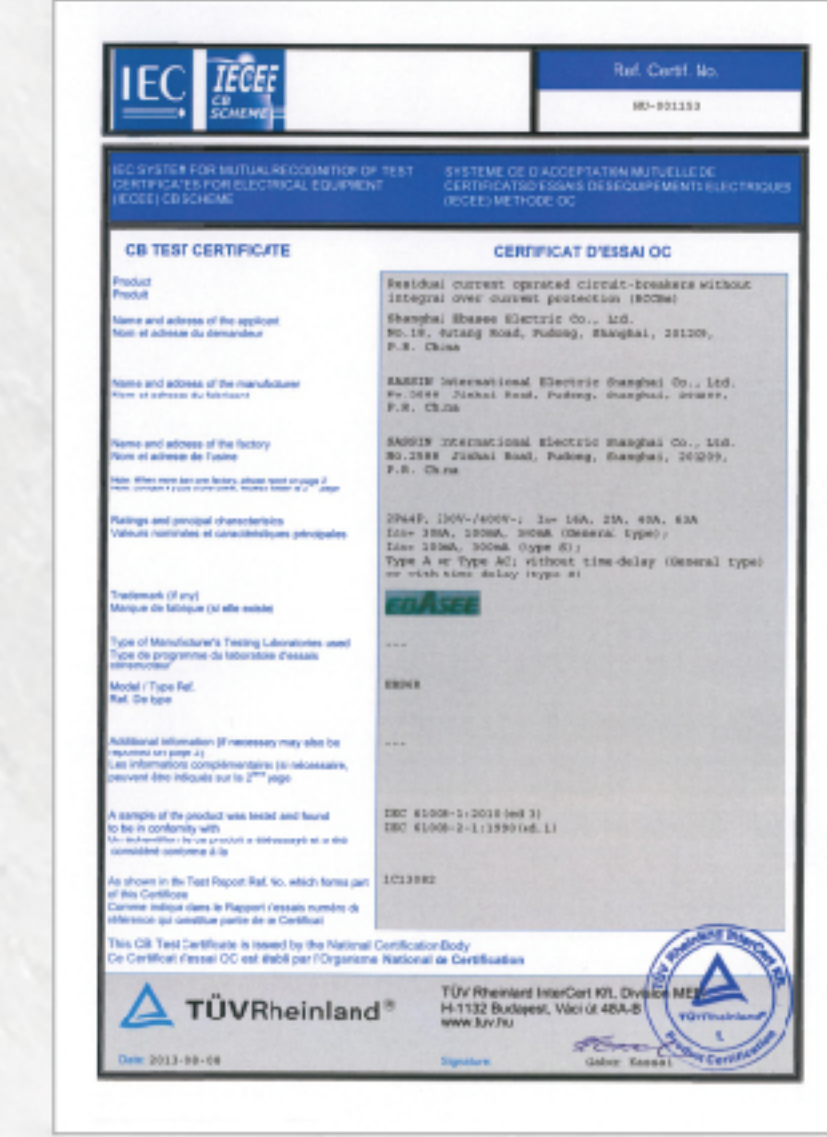
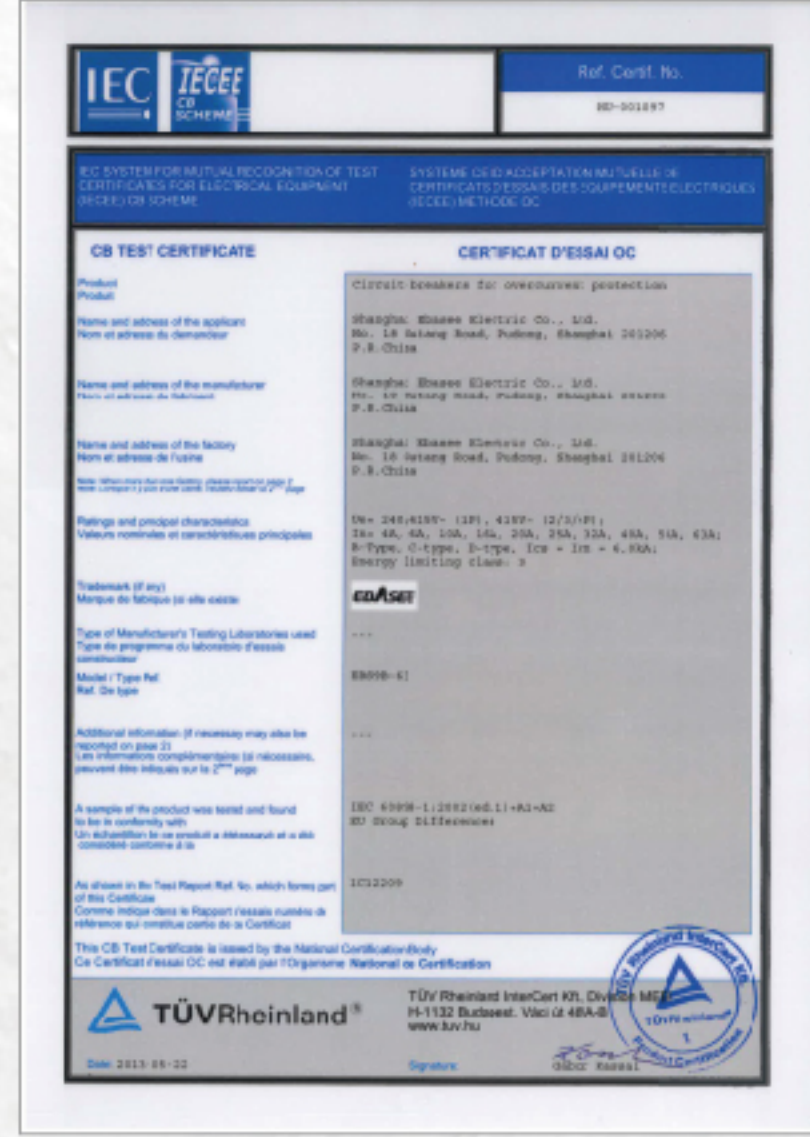


SMART LIVING GREEN EBASEE



INTERNATIONAL QUALITY CERTIFICATE

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



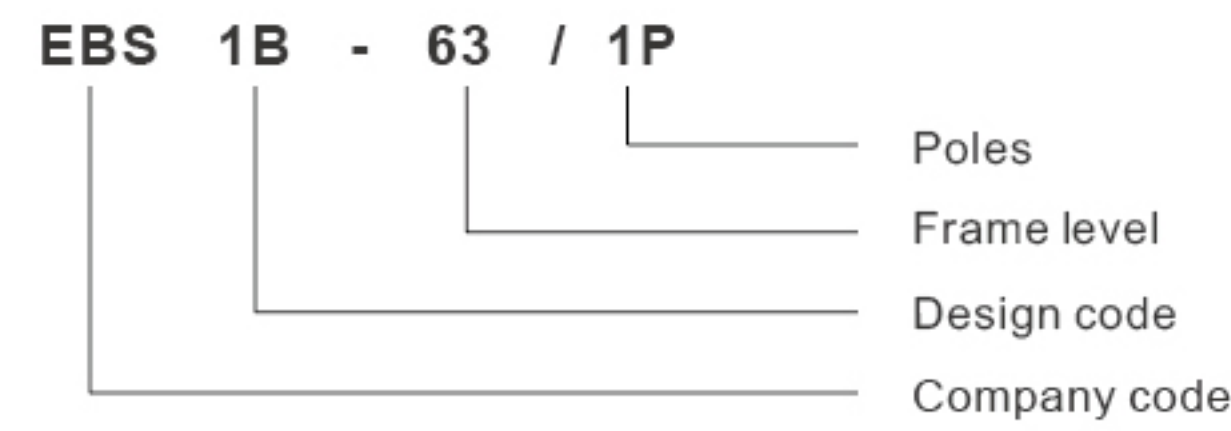
1. Function

EBS1B CL 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/EN60898-1.



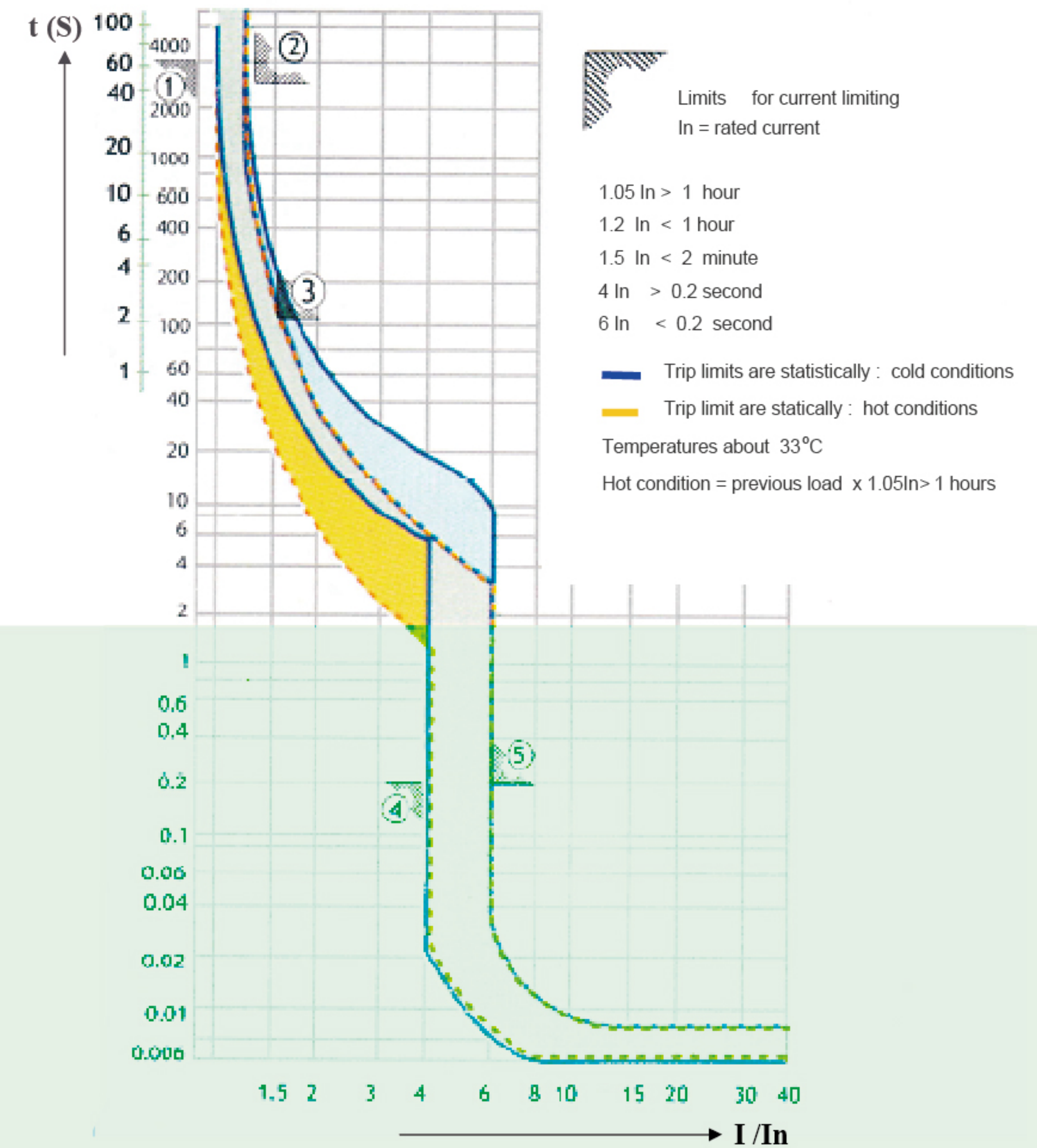
2. Nomenclature



3. Specifications

Type	Standard		IEC/EN 60898-1
Electrical features	Rated current I_n	A	1, 2, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63
	Poles	P	1, 2, 3, 4
	Rated voltage U_e	V	240/415
	Insulation voltage U_i	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity	A	4500
	Rated impulse withstand voltage(1.2/50)U _{imp}	V	6000
	Dielectric test voltage at ind. Freq. for 1min	kV	2
	Pollution degree		2
	Thermo-magnetic release characteristic		CL
Mechanical features	Electrical life	t	8000
	Mechanical life	t	20000
	Protection degree		IP20
	Reference temperature for setting of thermal element	°C	30
	Ambient temperature (with daily average ≤ 35°C)	°C	-5~+40
	Storage temperature	°C	-25~+70
Installation	Terminal connection type		Cable/Pin-type busbar/U-type bar
	Terminal size top / bottom for cable	mm ²	25
		AWG	18-3
	Terminal size top / bottom for busbar	mm ²	25
		AWG	18-3
	Tightening torque	N*m	2.5
		In-lbs	18
Mounting		On DIN rail EN 60715(35mm)by means of fast clip device	
Connection		From top and bottom	

4. Release



5. Conductor

Copper cross-section(mm ²)	Rated current I_n (A)
1	$I_n \leq 6$
1.5	$6 < I_n \leq 13$
2.5	$13 < I_n \leq 20$
4	$20 < I_n \leq 25$
6	$25 < I_n \leq 32$
10	$32 < I_n \leq 50$
16	$50 < I_n \leq 63$

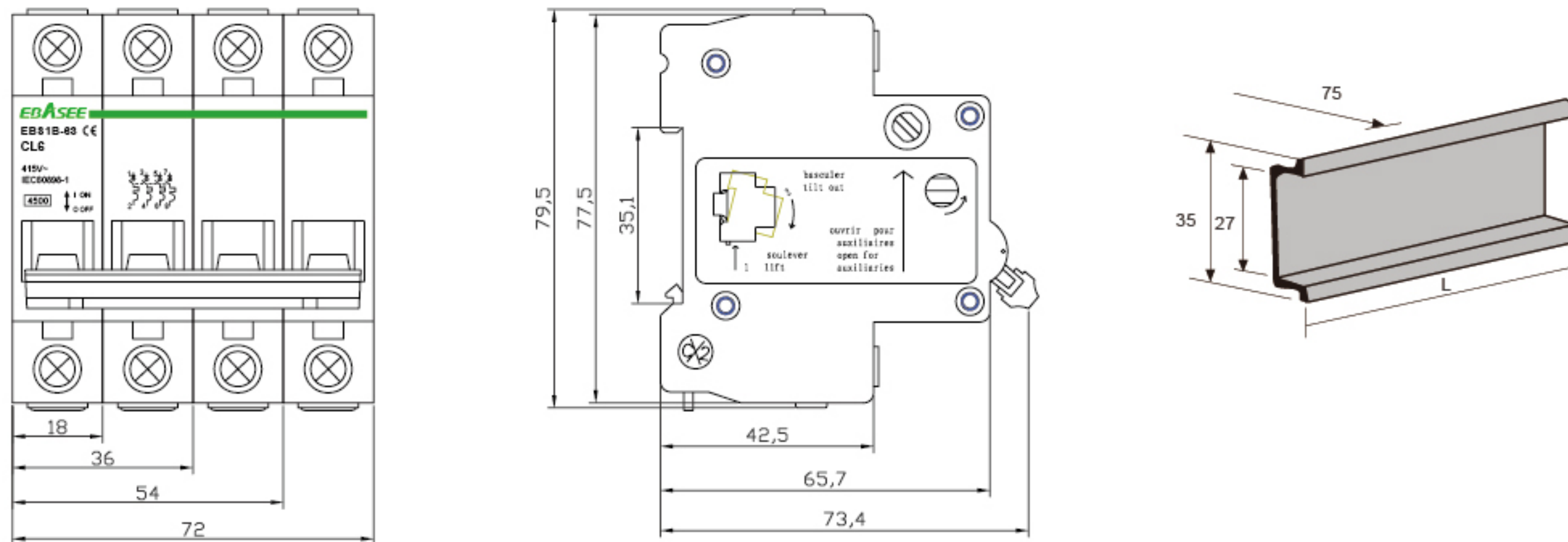
6. Temperature Derating

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 EBS1B-63 Miniature circuit breaker, 2 Poles, curve CL,
Poles	rated current 20A, 4.5kA quantity is 100 pieces, should be marked:
Tripping characteristic and rated current	EBS1B-63/2PCL20 4.5kA 100PCS.
Quantity	