



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

📍 No.18, Gutang Rd, Shanghai 201209, China
 ☎️ +86 21 5032 0898
 📠 +86 21 5032 0828
 ✉️ info@ebasee.com
 🌐 www.ebasee.com



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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.

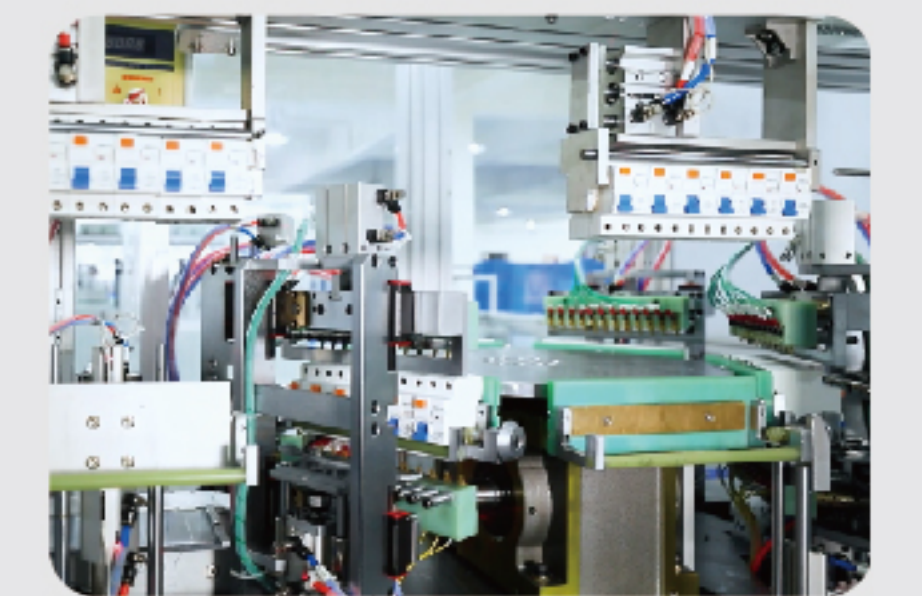
EBASEE focused on achieving growth through the success of worldwide partners. Guided by the philosophy of "market-oriented", powered by the idea of "Quick response and flexible supply", EBASEE support our worldwide partners to compete against established global players, to deliver the most systematic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

"Smart life, Green EBASEE"



Quality is our culture!

PRODUCTION LINE

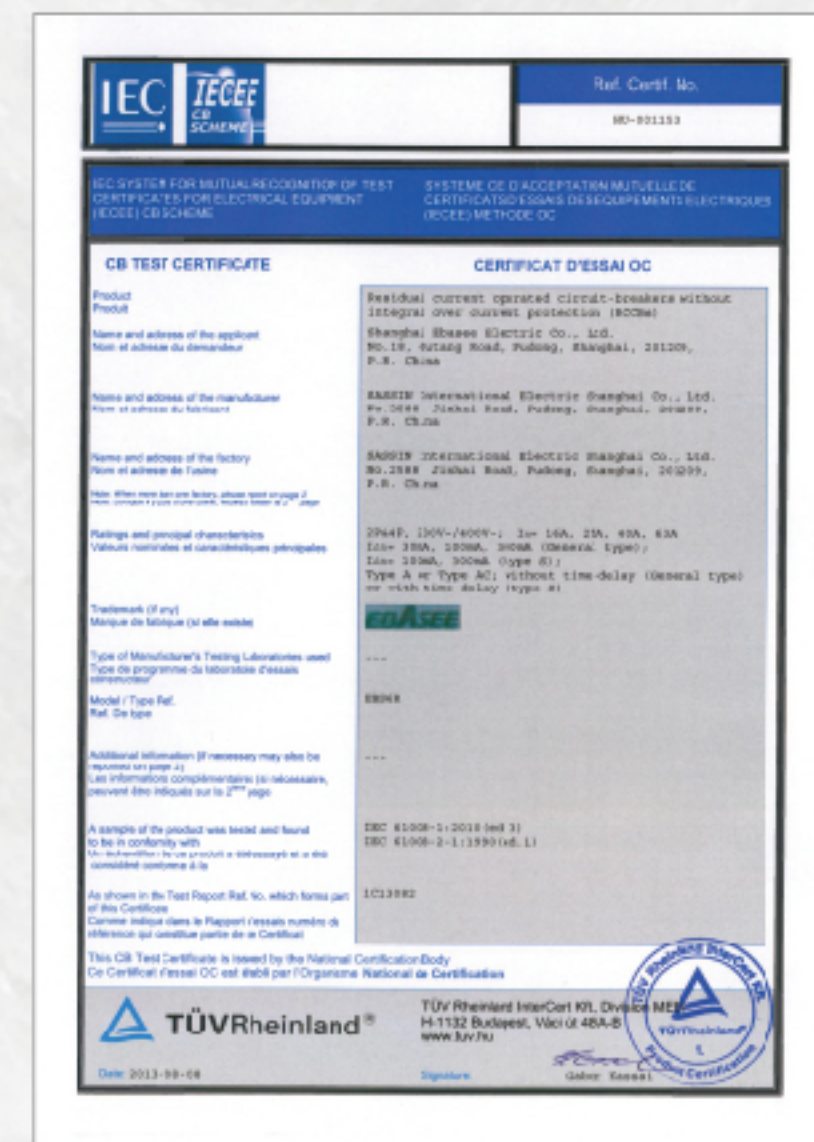
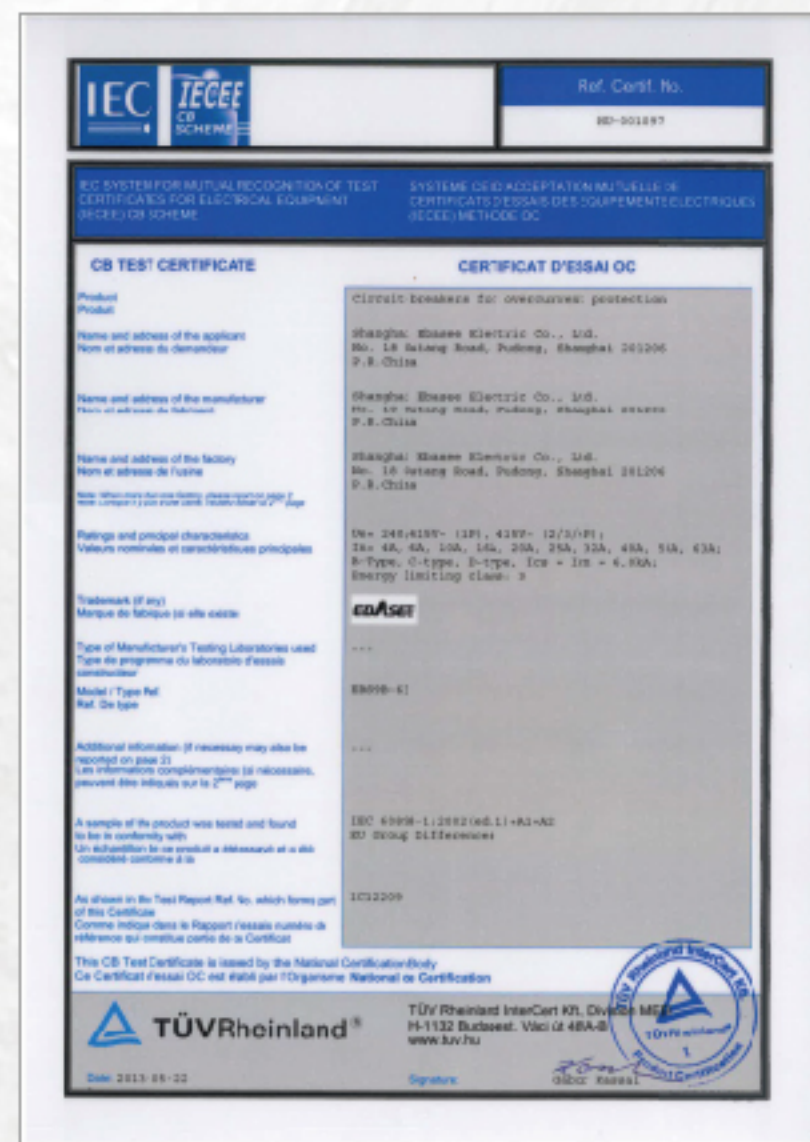
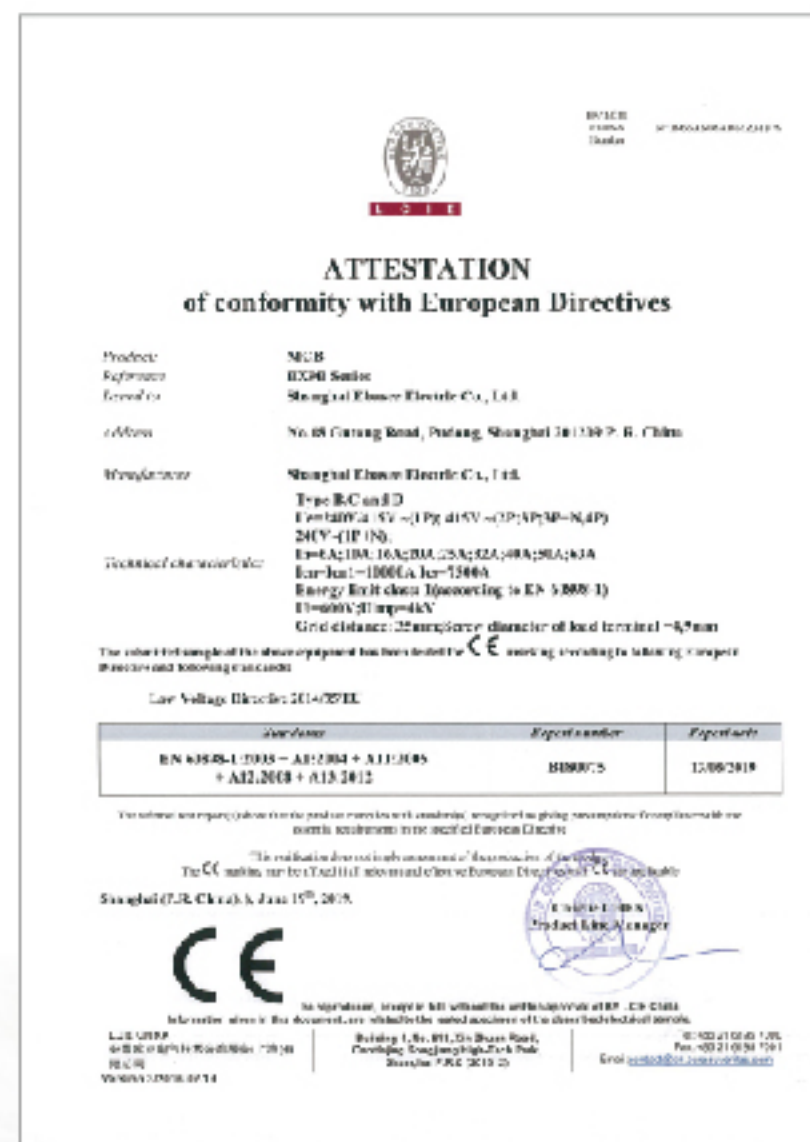


SMART LIVING GREEN EBASEE



INTERNATIONAL QUALITY CERTIFICATE

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





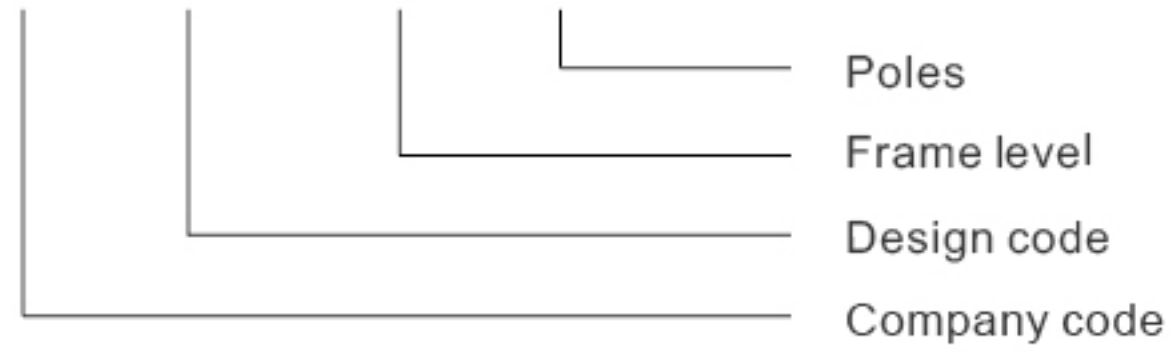
1.Function

Suitable for industrial, commercial, high-rise and civil residences circuit protection.

- Overload & short circuit protection
- Protect people against indirect contacts and additional protection against direct contacts.
- Protect installations against fire hazard due to insulation faults.
- Control electric circuits

2.Nomenclature

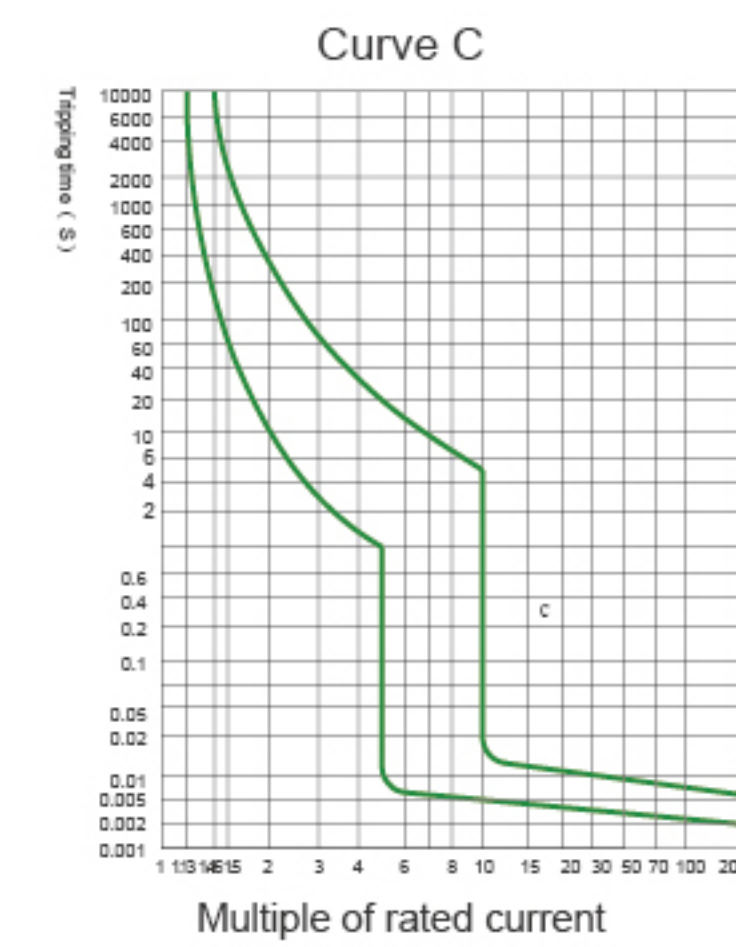
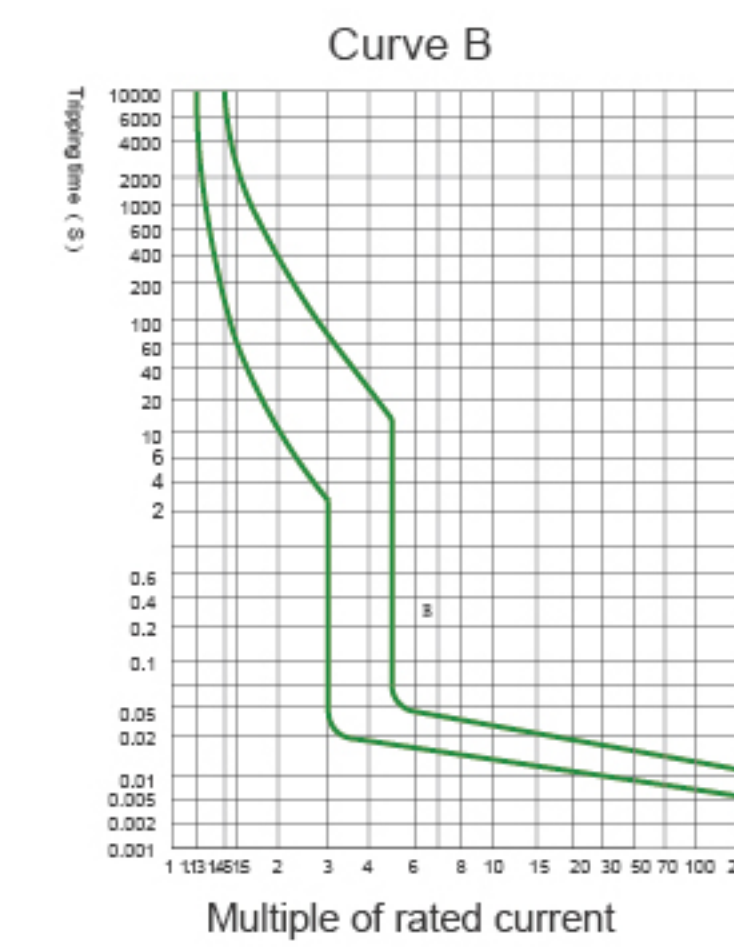
EBS 9BLN - 63 / 1P+N



3.Specifications

| Type | Standard | | IEC/EN 61009-1 |
|---------------------|---|---|-----------------------------------|
| Electrical features | Poles | P | 1P+N |
| | Type(wave form of the earth leakage sensed) | | A, AC, S |
| | Thermo-magnetic release characteristic | | B, C |
| | Rated current In | A | 6, 10, 16, 20, 25, 32, 40, 50, 63 |
| | Rated voltage Ue | V | 230/400 |
| | Rated sensitivity IΔn | A | 0.03, 0.1, 0.3 |
| | Rated residual making and breaking capacity IΔm | A | 500(In≤40A) 630(In>40A) |
| | Rated short-circuit capacity Icn | A | 4500, 6000 |
| | Break time under IΔn | s | ≤0.1 |
| | Rated frequency | Hz | 50/60 |
| | Rated impulse withstand voltage(1.2/50)Uimp | V | 4000 |
| | Dielectric test voltage at ind.Freq. for 1min | kV | 2 |
| | Insulation voltage Ui | V | 250 |
| Pollution degree | | 2 | |
| Mechanical features | Electrical life | t | 4000 |
| | Mechanical life | t | 10000 |
| | Contact position indicator | | Yes |
| | Protection degree | | IP20 |
| | Ambient temperature(with daily average≤35℃) | °C | -5~+40 |
| Storage temperature | °C | -25~+70 | |
| Installation | Terminal connection type | | Cable/Pin-type busbar |
| | 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 |
| | | In-lbs | 18 |
| Mounting | | On DIN rail EN60715(35mm)by means of fast clip device | |
| Connection | | From top | |

4.Release



5.Conductor

| Copper cross-section(mm ²) | 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 |

6.Temperature Derating

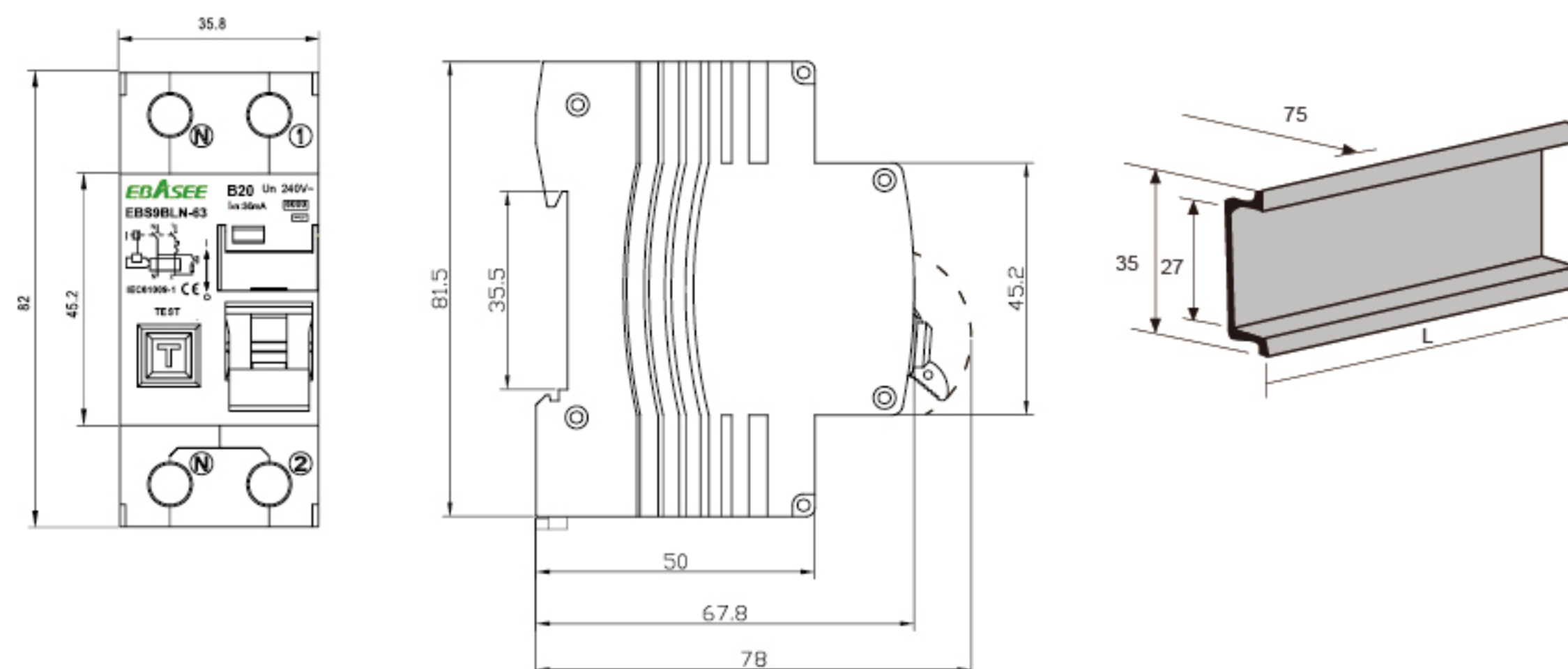
The maximum permissible current in a circuit breaker depends on the ambient temperature where the circuit breaker is placed. Ambient temperature is the temperature inside the enclosure or switchboard in which the circuit breakers are installed. The reference temperature is 30°C.

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 EBS9BLN-63 residual current circuit breaker, frame level |
| Poles | 63A, 1P+N, rated current 20A, rated residual current is 30mA, |
| Tripping characteristic and rated current | quantity 100 pieces, should be marked: |
| Quantity | RCBO EBS9BLN-63/1P+N/C20/30mA, 100 PCS. |