



ELECTRICAL SAFETY
GUARD



EXPLORER

SAFELY EXPLORING
LEADING SMART FUTURE



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A JOINT VENTURE OF
EAT•N | **HUYU**

COMPANY PROFILE

Huanyu High-Tech Co., Ltd. is a high tech enterprise focusing on the development, manufacturing and marketing of low-voltage electrical components. Established on Zhejiang High Tech. Co, Ltd of Huanyu Group in early 2021, we are a joint venture of Huanyu Group, a large national conglomerate company, and Eaton Group, a global power management company.

Our products are widely used in many applications including power grids, network communications, new energy, metallurgy, chemical industry, transportation, manufacturing and construction, serving various well-known customers such as the State Grid, China Southern Power Grid, Evergrande Real Estate, Vanke, Country Garden, Poly Real Estate, R&F Properties, the Three Gorges of the Yangtze River, Daqing Oilfield, Jiangsu Power Grid, Xi'an Jiaotong University, Guangzhou Baiyun Airport, Shanghai Disney, China FAW, China Railway, and China Railway Construction. Now we have 10+ integrated service centers, 30+ sales offices, 600+ terminal image specialty shops, and over 800 sales outlets in mainland China.

We have been awarded the National Contract-honoring and Trustworthy Enterprise, National Customer-satisfied Enterprise, National High-Tech Enterprise, Zhejiang Well-known Trade Name, Zhejiang Green Enterprise, Zhejiang Major Taxpayer, and Wenzhou

Mayor Quality Award. In addition, we have been certified with ISO9001 Quality Management System, ISO14001 Environmental Management System and ISO45001 Occupational Health and Safety Management System, and passed more than 10 international certification including the KEMA standard of Netherlands, UL standard of the United States, CE standard of the European Union, TÜV standard of Germany, FI standard of France, and CB system. We have a national post-doctoral research station, a provincial technology research institute, and a nationally accredited CNAS laboratory. We also have more than 100 national invention patents and utility model patents, and has implemented the National Torch Plan and major provincial scientific research and development projects. Our products have been rated as China Famous Brand Products, National Customer-satisfied Products, and Zhejiang Famous Brand Products. Besides, we have been awarded Zhejiang Manufacturing Quality Certificate and have the right to use Zhejiang "Pin", a word mark meaning quality.

Committed to smart electric to make life better, we will continue to focus on product innovation, talent development, and smart manufacturing, to build a modernized global electrical enterprise.



Safely Exploring Leading Smart Future



Industry leading design platform
Mainstream performance, safe and reliable



Comprehensive product range
Offering updated, safer and complete protection



Clear and intuitive logo, readable



Flexible wiring methods: both upper and lower incoming are available, adaptable standard requirement in each region



"Visible safety": a contact indication window is added for reliable indication of the contact's disconnected position



Can be used in more severe application environments, with ambient temperature from -35°C to $+70^{\circ}\text{C}$, meeting various application requirements



Up to seven mounting accessories are available, meeting a variety of needs for functional extension



A complete series of accessories for universal use, offering simple and convenient selection



Easy and reliable mounting
Tool-free mounting



Unique mechanism design, delivering enhanced current limiting capacity, up to 6kA breaking capacity, and superior performance, ensuring the safety of personnel and equipment



Brand new industrial outline design through simple lines and with distinctive design concept, showcasing product quality in every detail



Unique mechanism design, significantly improving service life; mechanical life is up to 20,000 operations, and electrical life up to 10,000 operations

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EXB3LE-63H



EXB3LE-125



EXH3L1-100



EXH3-125

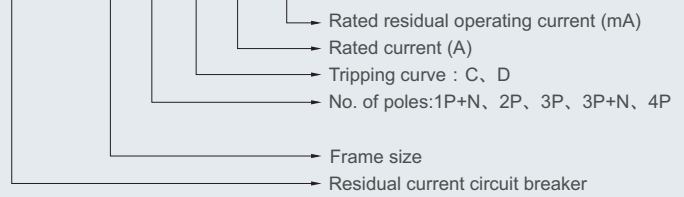


| | | | |
|---|---|---|---|
| GB/T 16917.1、IEC61009-1 | GB/T 14048.2、IEC 60947-2 | GB/T 16916.1、IEC 61008-1 | GB/T 14048.3、IEC 60947-3 |
| 1P+N、2P、3P、3P+N、4P | 1P+N、2P、3P、3P+N、4P | 2P、4P | 1P、2P、3P、4P |
| 6~63 | 63~125 | 16~100 | 20-125 |
| AC220/230/240 (1P+N、2P) AC380/400/415 (3P、3P+N、4P) | AC230 (1P+N、2P) AC400 (3P、3P+N、4P) | AC240 (2P) AC415(4P) | AC220V/230V/240V (1P) , AC230V(2P) , AC380V/400V/415V (2P、3P、4P) |
| 50/60 | 50/60 | 50/60HZ | 50/60 |
| Type AC | Type AC | Type AC A | - |
| 30、50、75、100、150、200、300 | 30、50、75、100、150、200、300 | 10、30、50、100、300 | |
| 10000 | 10000 | 10000 | - |
| 7500 | 7500 | 10000 | |
| - | - | - | 1.5 |
| - | - | - | 2.5 |
| 4 | 4 | 4 | 6 |
| (power frequency 1m) 2000 | (power frequency 1m) 2000 | (power frequency 1m) 2000 | 1890 |
| 20000 | 20000 | 20000 | 8500 |
| 10000 | 6000 (In≤100A) , 4000 (In > 100A) | 10000 | 3000 |
| ■ | | | |
| ■ | | | |
| ■ | | | |
| | ■ | ■ | |
| | ■ | ■ | |
| | ■ | ■ | |
| 28 periodic cycles , RH: 90-96% at 55°C RH: 95-100% at 25°C | 28 periodic cycles , RH: 90-96% at 55°C RH: 95-100% at 25°C | 28 periodic cycles , RH: 90-96% at 55°C RH: 95-100% at 25°C | |
| 30 | 30 | 30 | 30 |
| -35 ~ +70 | -35 ~ +70 | -35 ~ +70 | |
| -35 ~ +85 | -35 ~ +85 | -35 ~ +85 | |
| ≤2000m | ≤2000m | ≤2000m | |
| 25 | 50 | 50 | 50 |
| 2 | 3.5 | 3.5 | 3.5 |
| Top-in,Bottom-out | Top-in,Bottom-out | Top-in,Bottom-out | Top or bottom enter |
| TH35-7.5 standard rail mounting | TH35-7.5 standard rail mounting | TH35-7.5 standard rail mounting | TH35-7.5 standard rail mounting |
| 2 | 3 | 2 | 2 |
| IP20 | IP20 | IP20 | IP20 |
| IP40 | IP40 | IP40 | |
| OF auxiliary contact SD alarm contact MX+OF shunt release MN under-voltage release MV over-voltage release MVMN over/under-voltage release MNs no-voltage release | OF auxiliary contact SD alarm contact MX+OF shunt release MN under-voltage release MV over-voltage release MVMN over/under-voltage release MNs no-voltage release | | |



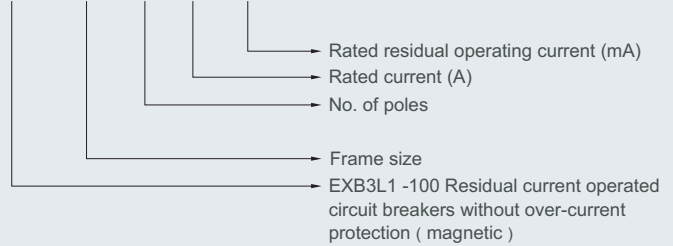
Product model description (125A frame size residual current circuit breaker)

EXB3LE - 125 1P C 80 30mA



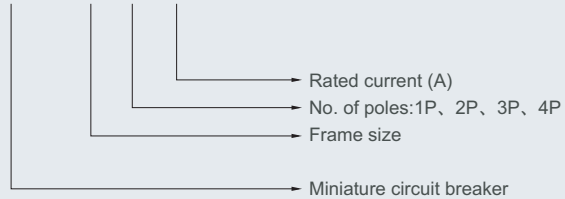
Product model description (40A Frame Size Miniature Circuit Breaker)

EXB3L1 - 100 / 2P 40 30mA



Product model description (125A frame size disconnecting switch)

EXH3 - 125 1P 100



In accordance with GB/T 16917.1 and IEC 61009-1

The EXB3LE-125 residual current circuit breakers functions:

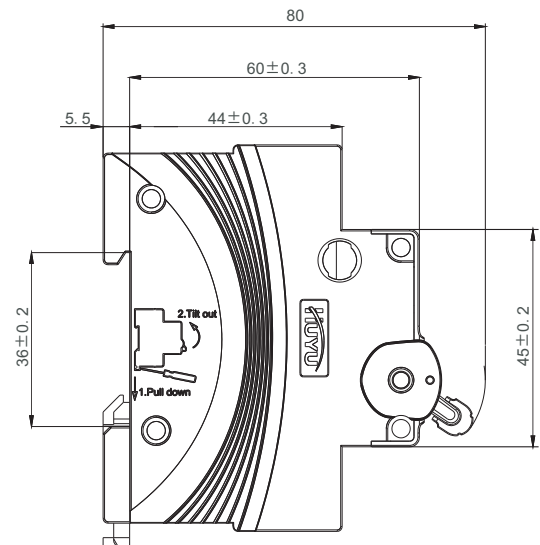
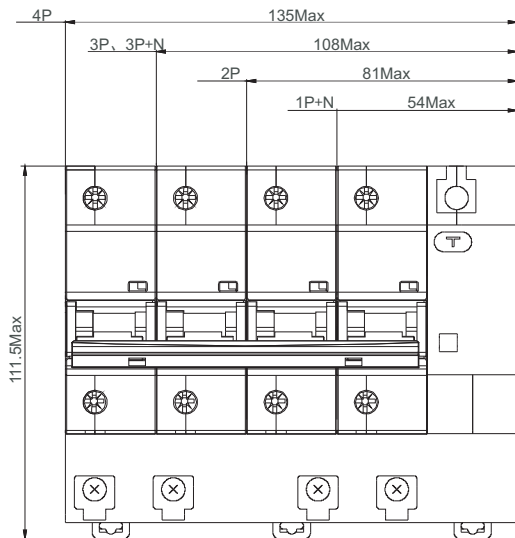
- Overload protection
- Short-circuit protection
- Isolation function
- Earth leakage current production

Technical data



| | |
|---|--|
| Product model | EXB3LE-125 |
| No. of poles | 1P+N, 2P, 3P, 3P+N, 4P |
| Rated current | 63A, 80A, 100A, 125A |
| Rated voltage | AC230V (1P+N, 2P) , AC400V (3P, 3P+N, 4P) |
| Rated operating frequency | 50Hz/60Hz |
| Rated impulse withstand voltage | 4kV |
| Rated short-circuit breaking capacity | 10000A |
| Operational short-circuit breaking capacity | 7500A |
| Rated residual operated current | 30mA, 50mA, 75mA, 100mA, 150mA, 200mA, 300mA |
| Instantaneous tripping type | B, C, D |
| Mechanical life(times) | 20000 |
| Electrical life(times) | 6000 ($I_n \leq 100A$) , 4000 ($I_n > 100A$) |

Outlines and dimensions

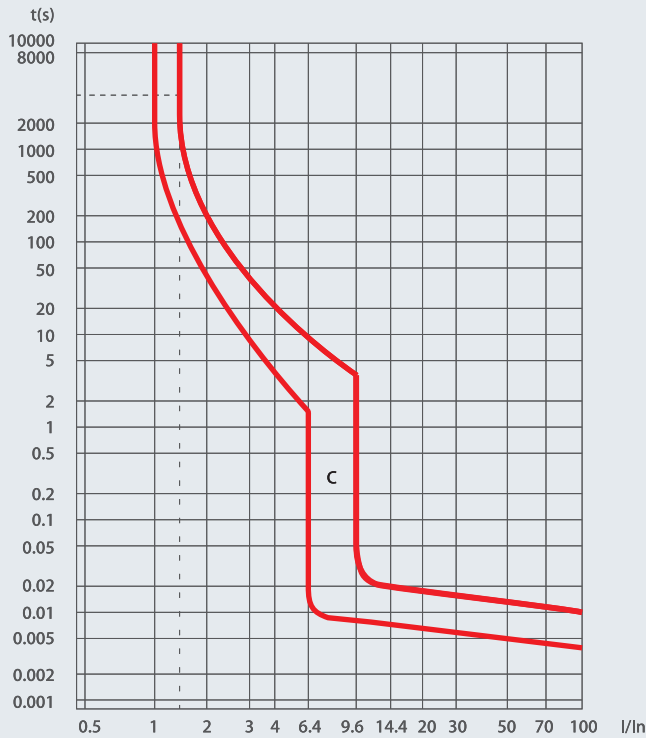


Tripping characteristics

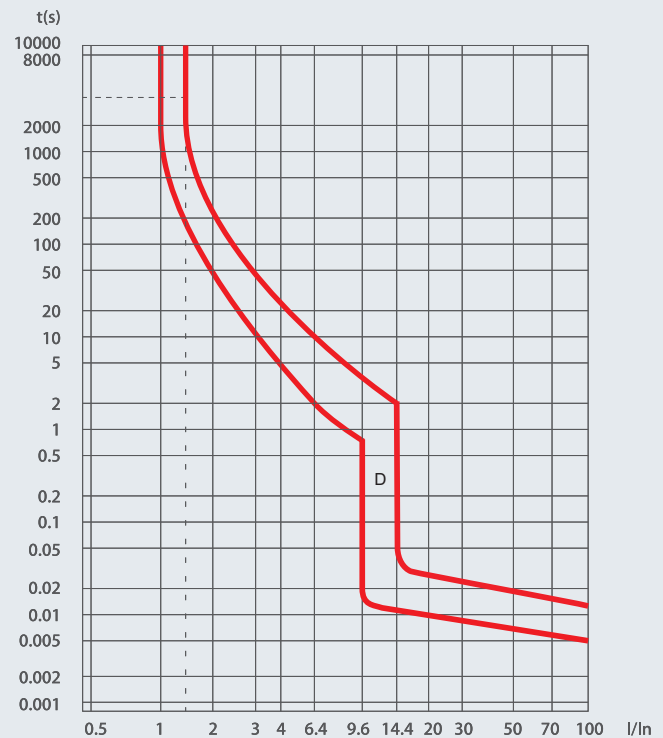
▪ Tripping characteristics of EXB3-125 and EXB3LE-125

| Over-current release type | Magnetic tripping I_n (A) | Test current (A) | Tripping time | Start state | Expected outcome | Testing ambient temperature |
|---------------------------|-----------------------------|------------------|---------------|---------------|------------------|---------------------------------------|
| Thermal tripping | ≤ 63 | $1.05I_n$ | $\leq 1h$ | Cold state | No tripping | $30^\circ\text{C}\pm 2^\circ\text{C}$ |
| | > 63 | | $\leq 2h$ | | | |
| | ≤ 63 | $1.30I_n$ | $< 1h$ | Thermal state | Tripping | |
| | > 63 | | $< 2h$ | | | |
| Magnetic tripping | 63, 80, 100, 125 | $6.4I_n$ | $\leq 0.2s$ | Cold state | No tripping | Normal temperature |
| | | $9.6I_n$ | $< 0.2s$ | | Tripping | |
| | | $8I_n$ | $\leq 0.2s$ | | No tripping | |
| | | $12I_n$ | $< 0.2s$ | | Tripping | |
| | | $9.6I_n$ | $\leq 0.2s$ | | No tripping | |
| | | $14.4I_n$ | $< 0.2s$ | | Tripping | |

▪ Tripping characteristic curve



Type C thermal/electromagnetic tripping characteristic curve



Type D thermal/electromagnetic tripping characteristic curve