



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  $-35^{\circ}\text{C}$  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**

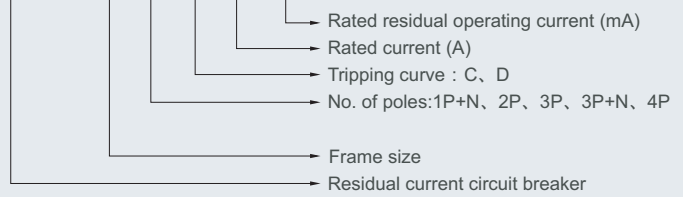


GB/T 16917.1、IEC61009-1	GB/T 14048.2、IEC 60947-2	GB/T 16916.1、IEC 61008-1	GB/T 14048.3、IEC 60947-3
1P+N、2P、3P、3P+N、4P	1P+N、2P、3P、3P+N、4P	2P、4P	1P、2P、3P、4P
6~63	63~125	16~100	20-125
AC220/230/240 ( 1P+N、2P ) AC380/400/415 ( 3P、3P+N、4P )	AC230 ( 1P+N、2P ) AC400 ( 3P、3P+N、4P )	AC240 ( 2P ) AC415(4P)	AC220V/230V/240V (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		



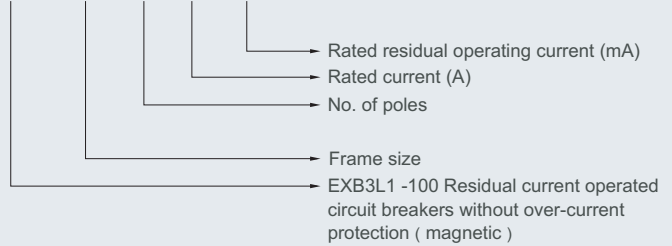
Product model description (125A frame size residual current circuit breaker)

**EXB3LE - 125 1P C 80 30mA**



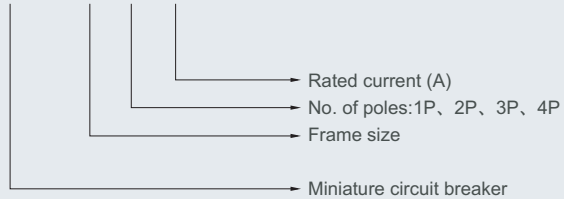
Product model description (40A Frame Size Miniature Circuit Breaker)

**EXB3L1 - 100 / 2P 40 30mA**



Product model description (125A frame size disconnecting switch)

**EXH3 - 125 1P 100**



In accordance with IEC61008-1、 GB/T 16916.1

The EXB3L1-100 residual current circuit breakers functions:

- Isolation function
- Earth leakage current production



### Technical data

Items	Parameter
Standards	GB/T 16916.1、 GB/T 16916.21、 IEC61008-1
Rated voltage(Ue)	240V(2P)、 415V(4P)
Insulation voltage(Ui)	500V
Rated impulse withstand voltage(Uimp)	4kV
No. of poles	2P、 4P
Rated current (In)	16A,25A,32A,40A,50A,63A,80A,100A
Rated residual operating current(IΔn)	10mA(16A,25A,32A,40A),30mA,50mA,100mA,300mA
Type	AC、 A
Rated current making & breaking capacity(I <sub>m</sub> )	1000A
Rated residual current making & breaking capacity(IΔ <sub>m</sub> )	1000A
Rated conditional short-circuit current(I <sub>nc</sub> )	10kA
Rated residual conditional short-circuit current(IΔ <sub>c</sub> )	10kA

### Breaking time of residual current under IΔn

Type (wave form of the earth leakage sensed)	IΔn(mA)	In(A)	Maximum breaking time			
			IΔn	2IΔn	5IΔn	250mA
Rated sensitivity of A/AC type	>30	16A,25A,32A,40A	0.1	0.1	0.04	—
	≤30	50A,63A,80A,100A	0.1	0.1	—	0.04
Rated sensitivity of A type	IΔn(mA)	In(A)	Maximum breaking time			
			1.4IΔn	2.8IΔn	7IΔn	0.35A
	>30	16A,25A,32A,40A	0.1	0.1	0.04	—
	≤30	50A,63A,80A,100A	0.1	0.1	—	0.04

The circuit breaker is connected with cable (the cable selection is shown in Table 3), Tightening torque:2.0 N·m ~ 2.5 N·m

Rated current In(A)	16、 20	25	32	40、 50	63	80	100
Terminal size for cable(mm <sup>2</sup> )	2.5	4	6	10	16	25	35

### Outlines and dimensions

