



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

Shanghai Ebasee Electric Co., Ltd

Add: No.18, Gutang Rd, Shanghai 201209, China

Tel: +86 21 5032 0898

Fax: +86 21 5032 0828

<http://www.ebasee.com>



APP

CIRCUIT BREAKER

Copy right reserved EBS, NO.2016002



Ebasee
Smart Living Green Ebasee
Ebasee Ltd., China

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 gained many international approvals, such as TUV, KEMA, CB, SEMKO, RoHS, CE, and CCC etc.

With quality raw materials and components supply, all products are manufactured to EBASEE's defined specifications. We have 4 semi-auto production lines, up to date quality control facilities, and well-trained skillful workers. Moreover, with a technical R & D team and fully equipped in-house laboratory, EBASEE factory can carry out efficient new products developing and daily production QC as well.

EBASEE have wide range cooperations with world leading companies in new products developing or OEM, ODM cooperation. Meanwhile we also process industry cooperation on intelligent home products, and work with some university such as Xi'an Jiao Tong University on project solutions. EBASEE is focused on achieving growth through the growth and success of its worldwide partners.

EBASEE, guided by the "market-oriented" philosophy, powered with the "Quick response and flexible supply" capability, can support our worldwide partners to compete against established global players to deliver the most comprehensive and cost-effective products and service in the market.

"Smart life, Green EBASEE"



Enterprise credit



EBS1W

Air Circuit Breaker



Application

- IEC60947-1, IEC60947-2, IEC60947-4-1
- High short-time current rating
6300A 100KA 1Sec
4000A 100KA 1Sec
2000A 100KA 1Sec
- 100% rated current operation
- 3 poles and 4 poles available
- Fixed and drawer installation type available

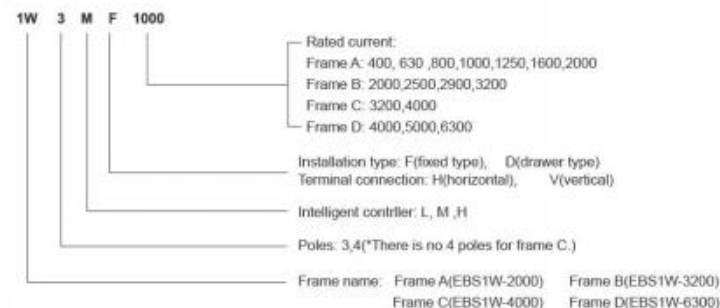
Feature

- Compact structure
- High breaking capacity
- No arcing distance and high safety
- With complete and reliable intelligent protection functions
- Integration communication, compatible to many protocols
- Simple installation, horizontal or vertical connection for main circuit.
- Many accessories are available

Operating Conditions

Ambient air temperature	-5°C ~ +40°C
Average temperature in 24 hours	+35°C
Altitude	less than 2000 meters
Relative humidity	less than 50% at +40°C higher relative humidity is allowed at lower temperature

Nomenclature





Technical Data


Series			Frame A EBS1W-2000	Frame B EBS1W-3200	Frame C EBS1W-4000	Frame D EBS1W-6300
Standard			IEC60947-2	IEC60947-2	IEC60947-2	IEC60947-2
Rated current(I _n)	A	400,630	2000,2500,	32,004,000	4000,5000,	
		8,001,000	2,903,200		6300	
Intelligent controller	M type		√	√	√	√
	H type		√	√	√	√
Number of poles		P	3,4	3,4	3	3,4
Rated current of N-pole			100%I _n	100%I _n	100%I _n	100%I _n
Ultimate breaking capacity(I _{ou})	400V	kA	80	100	100	120
	690V	kA	50	65	65	80
Rated service breaking capacity(I _{cs})	400V	kA	50	80	80	100
	690V	kA	40	50	50	70
Rated short-time withstand current(I _{ow})	1S	kA	50	65	65	100
Rated service voltage(U _i)		V	690	690	690	690
Making time		ms	30	30	30	30
Breaking time		ms	60	60	60	60
Frequency		Hz	50/60	50/60	50/60	50/60
Rated insulation voltage(U _i)		V	1000	1000	1000	1000
Mechanical life	With maintenance	Times	10000	10000	10000	10000
	Without maintenance	Times	2500	2500	2000	2000
Electrical life(at rated current)		Times	500	500	500	500
Ambient temperature		Min./Max.	°C	-5/40	-5/40	-5/40
Altitude		Max.	m	2000	2000	2000
Anti-pollution grade				3	3	3
Installation type	Fixed	Horizontal	√	√	√	-
		Vertical	√	√	√	-
	Drawer	Horizontal	√	√	√	√
		Vertical	√	√	√	√
Accessories	Under-Voltage release		√	√	√	√
	Shunt release		√	√	√	√
	Closing coil		√	√	√	√
	Safety locks		√	√	√	√

Technical Data

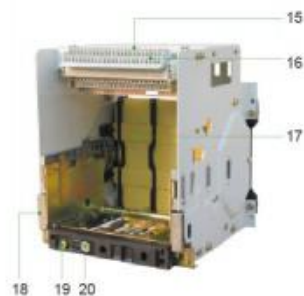
	In(A)	Poles	M Type Controller		H Type Controller	
			Fixed Type	Drawer Type	Fixed Type	Drawer Type
Frame A EBS1W-2000						
	400	3P	1WA 3MF 400	1WA 3MD 400	1WA 3HF 400	1WA 3HD 400
		4P	1WA 4MF 400	1WA 4MD 400	1WA 4HF 400	1WA 4HD 400
	630	3P	1WA 3MF 630	1WA 3MD 630	1WA 3HF 630	1WA 3HD 630
		4P	1WA 4MF 630	1WA 4MD 630	1WA 4HF 630	1WA 4HD 630
	800	3P	1WA 3MF 800	1WA 3MD 800	1WA 3HF 800	1WA 3HD 800
		4P	1WA 4MF 800	1WA 4MD 800	1WA 4HF 800	1WA 4HD 800
	1000	3P	1WA 3MF 1000	1WA 3MD 1000	1WA 3HF 1000	1WA 3HD 1000
		4P	1WA 4MF 1000	1WA 4MD 1000	1WA 4HF 1000	1WA 4HD 1000
	1250	3P	1WA 3MF 1250	1WA 3MD 1250	1WA 3HF 1250	1WA 3HD 1250
		4P	1WA 4MF 1250	1WA 4MD 1250	1WA 4HF 1250	1WA 4HD 1250
	1600	3P	1WA 3MF 1600	1WA 3MD 1600	1WA 3HF 1600	1WA 3HD 1600
		4P	1WA 4MF 1600	1WA 4MD 1600	1WA 4HF 1600	1WA 4HD 1600
	2000	3P	1WA 3MF 2000	1WA 3MD 2000	1WA 3HF 2000	1WA 3HD 2000
		4P	1WA 4MF 2000	1WA 4MD 2000	1WA 4HF 2000	1WA 4HD 2000

Frame B EBS1W-3200						
	2000	3P	1WA 3MF 20	1WB 3MD 20	1WB 3HF 20	1WB 3HD 20
		4P	1WA 4MF 20	1WB 3MD 20	1WB 4HF 20	1WB 4HD 20
	2500	3P	1WA 3MF 25	1WB 3MD 25	1WB 3HF 25	1WB 3HD 25
		4P	1WA 4MF 25	1WB 3MD 25	1WB 4HF 25	1WB 4HD 25
	2900	3P	1WA 3MF 29	1WB 3MD 29	1WB 3HF 29	1WB 3HD 29
		4P	1WA 4MF 29	1WB 3MD 29	1WB 4HF 29	1WB 4HD 29
	3200	3P	1WA 3MF 32	1WB 3MD 32	1WB 3HF 32	1WB 3HD 32
		4P	1WA 4MF 32	1WB 3MD 32	1WB 4HF 32	1WB 4HD 32

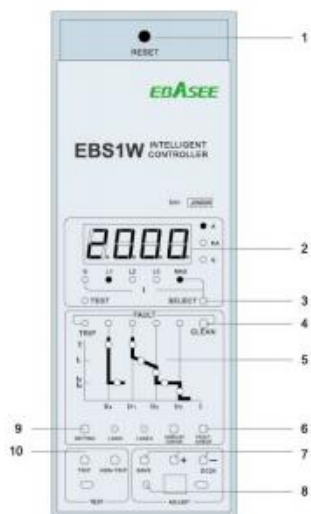
Frame C EBS1W-4000						
	3200	3P	1WC 3MF 32	1WC 3MD 32	1WC 3HF 32	1WC 3HD 32
	4000	3P	1WC 3MF 40	1WC 3MD 40	1WC 3HF 40	1WC 3HD 40

Frame D EBS1W-6300						
	4000	3P	^	1WD 3MD 40	^	1WD 3HHD 40
		4P	^	1WD 4MD 40	^	1WD 4HHD 40
	5000	3P	^	1WD 3MD 50	^	1WD 3HHD 50
		4P	^	1WD 4MD 50	^	1WD 4HHD 50
	6300	3P	^	1WD 3MD 63	^	1WD 3HHD 63
		4P	^	1WD 4MD 63	^	1WD 4HHD 63

Structure



Intelligent Controller



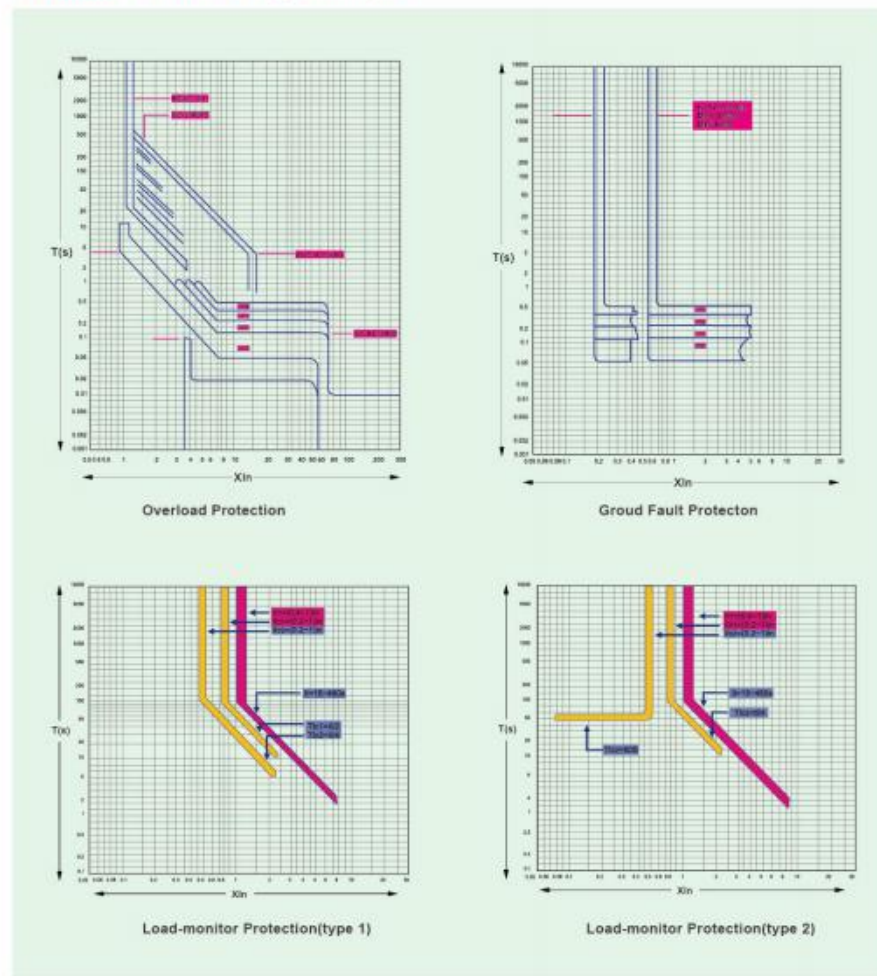
- 1.Reset button**
Reset button for fault releasing
- 2.Current, time showing**
Showing operating current, time, normally it shows max phase current
- 3.Select button**
Pressing this button to show each phase current
- 4.Clean button**
Pressing this button after release setting, testing, fault happening, to make release work in normal
- 5.Led showing**
Showing status of load, category and fault.
- 6.Fault check button**
When breaker switch-off due to faults, clean the release, then pressing this button to show latest status of fault current, time.
- 7."Save", "+", "-" button**
To set and save the value of current, time.
- 8. Save Indicator**
It will light when data saved
- 9."Setting" button**
Setting or checking the current and time of each protection function circuit-ingly showing each status.
- 10."Trip", "Non-trip" button**
Trip or non-trip button can be chosen when testing.

M-type and H-type intelligent controller

	M type	H type
Long time delay protection	●	●
Short circuit short-time delay protection	●	●
Grounding protection	●	●
Short circuit instantaneous protection	●	●
Unbalance and open-phase protection		●
Load monitor	●	●
Ampere meter	●	●
Voltage meter	○	●
Pre-alarm	○	●
Error-alarm	○	●
Self-diagnostic	●	●
MRC function	○	○
RS485 port		●
Communication protocols module		○

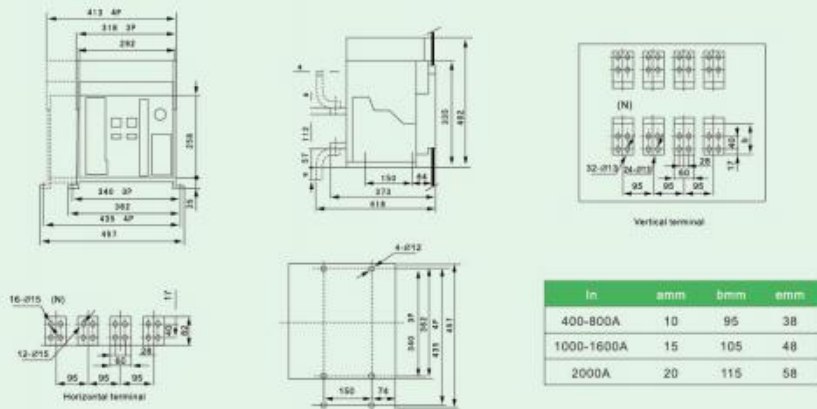
● Standard supply ○ Available for choosing

Structure and Working Principle

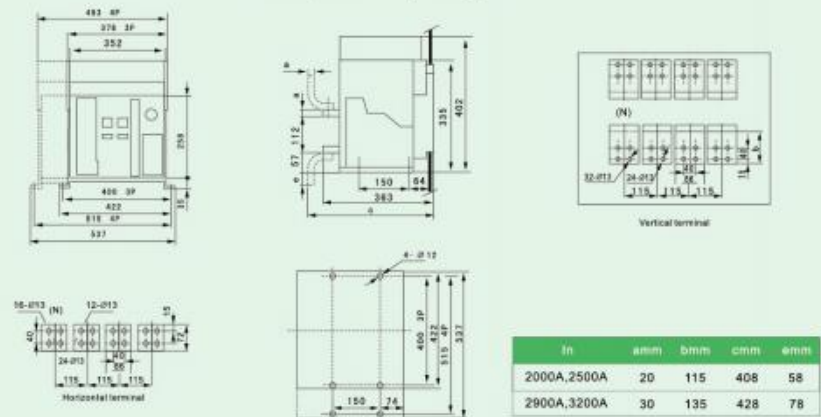


Dimensions

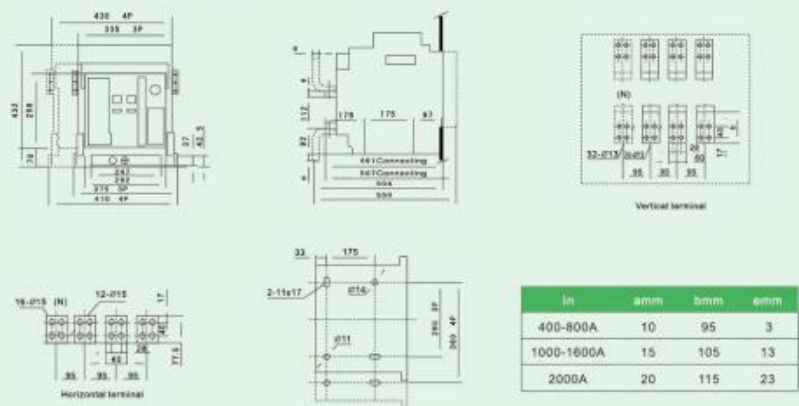
Frame A(EBS1W-2000)Fixed type



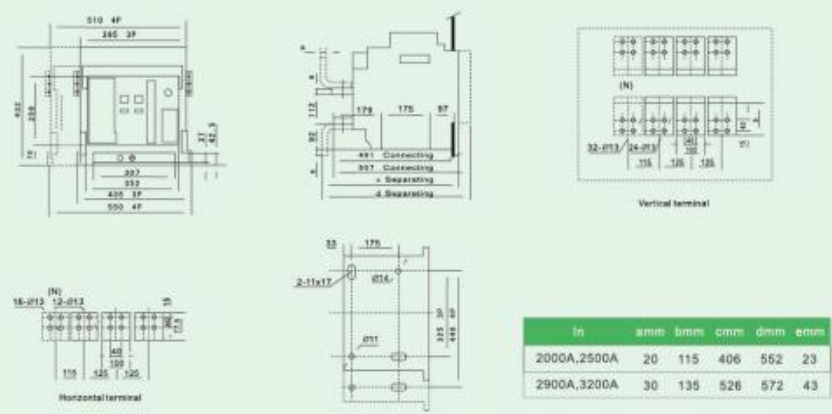
Frame B(EBS1W-3200)Fixed type



Frame A(EBS1W-2000)Drawer type



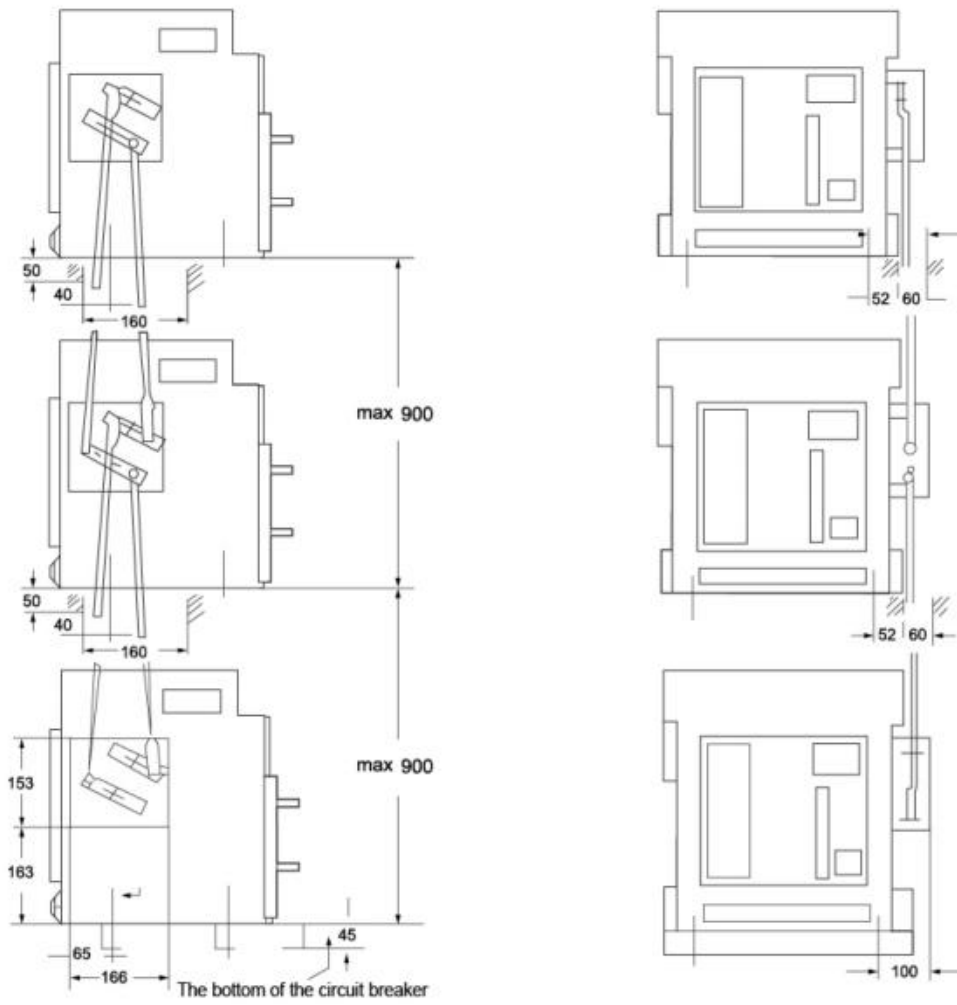
Frame B(EBS1W-3200)Drawer type



Mechanical Interlock of Universal Circuit Breaker

Users can separate the interlock mechanism for two or three interlocking circuit breaker, can also be equipped with double power automatic switching device of the company, in order to realize the dual power supply automatic conversion

Interlock Lever(Vertical mounting)



Soft Interlock(Horizontal, vertical can be installed)

