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



MODULAR TERMINAL

Copy right reserved EBS, NO.2016001



**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](http://www.ebasee.com)



APP

**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



## Quick-selection Table of EBS9 Series

Product type	Product model	Rated current In (A)	Number of poles	Number of modules (multiple of 9mm)	Short circuit breaking capacity Icn (kA)	Rated residual operating current IΔn (mA)	Tripping curve	Rated limited residual short circuit current IΔc(A)	Matched accessories
MCB	EBS9B	1,2,3,4,6,10,13,16,20,25,32,40,50,63	1P,2P,3P,4P,1P+N,3P+N	2/4/6/8	10	—	B/C/D	—	S2,S3,U2+02,U3+03,SD
	EBS9BN	4,6,10,16,20,25,32,40,50,63	1P,2P,3P,4P,1P+N,3P+N	2/4/6/8	10	—	B/C/D	—	
	eBS9B	4,6,10,16,20,25,32,40,50,63	1P,2P,3P,4P,1P+N,3P+N	2/4/6/8	6	—	B/C/D	—	
	EBS9B DPN	1,2,3,4,6,10,16,20,25,32	1P+N	2	4.5	—	C	—	S2,S3,U2+02,U3+03,SD
	EBS9B-125H	20,25,32,40,50,63,80,100,125	1P,2P,3P,4P,1P+N,3P+N	3/6/9/12	15	—	C/D	—	S2,S3,U2+02,U3+03,SD
RCCB	EBS9R-63	25,40,63	2P,4P	4/8	10	30/100/300	—	10000	U2+02,U3+03
	EBS9R-100	63,80,100	2P,4P	4/8	6	30/100/300/500	—	10000	U2+02,U3+03
	EBS9RN-100	25,32,40,63,80,100	2P,4P	4/8	6	30/100/300	—	6000	
RCBO	EBS9BL-40	6,10,16,20,25,32,40	1P+N	4	6	—	B/C	6000	—
	EBS9BLN-63	6,10,16,20,25,32,40,50,63	1P+N	4	6	—	B/C	6000	—
Isolating Switch	EBS9G-63	16,25,40,63	1,2,3,4	2/4/6/8	—	—	—	—	—
	EBS9G-125	63,80,100,125	1,2,3,4	2/4/6/8	—	—	—	—	—
Indicating Light	EBS9D	—	1P	2	—	—	—	—	—
Electric bell	EBS9DB	—	1P	2	—	—	—	—	—
Transformer	EBS9TF	—	4P	4	—	—	—	—	—
Surge Protector	EBS9U	—	1P	2	—	—	—	—	—
Accessories	EBS9B-S2,S3	—	1P	2	—	—	—	—	—
	EBS9B-U2+02	—	1P	2	—	—	—	—	—
	EBS9B-SD3	—	1P	1	—	—	—	—	—

Note: 1. rated voltage of indicating light is less than 230V~ 50/60Hz, and the rated insulation voltage is 500V~  
 2. rated voltage of doorbell: 8V, 12V, 24V, 110V, 230V~ 50/60Hz  
 3. input voltage of transformer: 230V/240V~ 50/60Hz; output voltage: 8V, 12V, 24V~  
 4. rated voltage of EBS9R Series (Un): 2P:240V~, 4P:415V~

## EBS9B Miniature Circuit Breaker



### Function

- Protection against short circuit current and overload current
- Isolation
- Control



EBS9B-63/1P



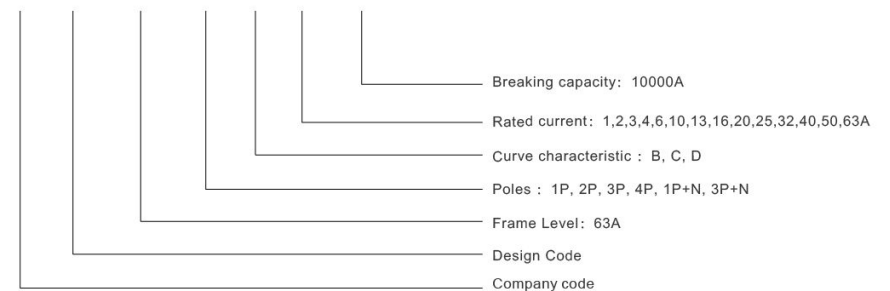
EBS9B-63/3P



EBS9B-63/4P

### Nomenclature

EBS 9B - 63 / 1P C 16 / 10k





### Construction and Feature

**□ The state-of-art design**

Elegant appearance; cover and handle in arc shape make comfortable operation.  
Contact position indicating window  
Transparent cover designed to carry label.

**□ Handle central-staying function for circuit fault indicating**

In case of overload, to protected circuit, MCB handle trips and stays at central position, which enables a quick solution to the faulty line. The handle cannot stay in such position when operated manually.

**□ High short-circuit capacity**

High short-circuit capacity 10kA for whole range and 15kA capacity for current rating up to 40A thanks to the powerful electric arc extinguishing system.  
Long electrical endurance up to 6000 cycles thanks to quick making mechanism.

**□ Handle padlock device**

MCB handle can be locked either at "ON" position or at "OFF" position to prevent unwanted operation of the product.

**□ Screw terminal lock device**

The lock device prevents unwanted or casual dismounting of connected terminals.

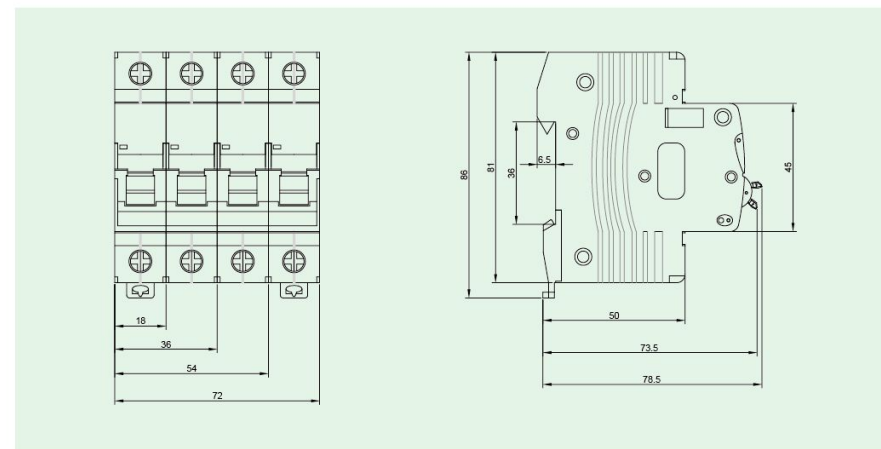
### Technical Parameter

Standard	IEC60898-1
Poles	1P, 2P, 3P, 4P, 1P+N, 3P+N
Rated current In(A)	1,2,3,4,6,10,13,16,20,25,32,40,50,63
Rated voltage Un(V)	1P, 1P+N: 240V~ 50/60Hz 2P,3P, 3P+N, 4P: 415V~ 50/60Hz
Curve characteristic	B, C, D
Rated short-circuit capacity (Icn)	10KA
Rated service short-circuit breaking capacity(Ics)	7.5kA
Rated impulse withstand voltage	6.2kV
Protection grade	IP20
Energy limiting class	3
Ambient temperature	-5°C to +40°C
Connection capacity	Flexible conductor 35mm <sup>2</sup> Rigid conductor 25mm <sup>2</sup>
Fastening torque	2.0Nm
Installation	On symmetrical DIN rail 35mm Panel mounting

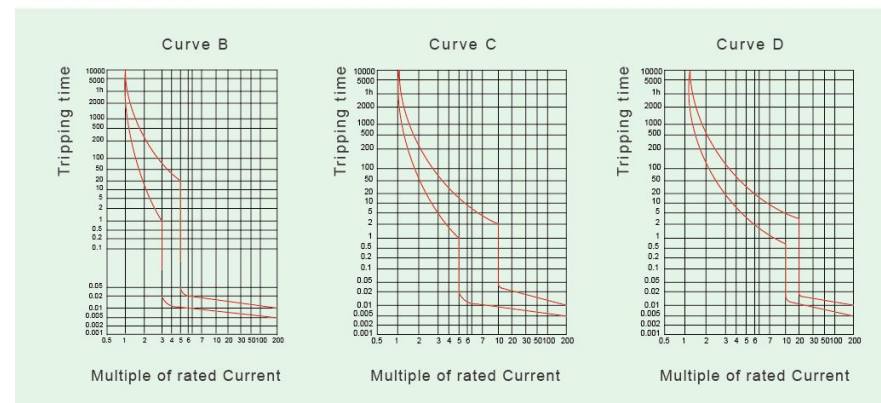
### Accessories

F3 Auxiliary contact  
S3 Shunt tripper

### Dimensions



### Tripping Curve



## Advantages of EBS9B-63 MCB

### □ Guaranteed short-circuit resistance

It is guaranteed not only the short-circuit resistance of 6kA and 10kA in the whole range up to 63A but this EBS9 series has the short-circuit resistance of up to 15kA even up to the values

### □ A high-speed switch-off

An extraordinary high rate of switch-off upon short-circuits; an unperturbed fulfillment of all power terms and following selectivity No.3. All those phenomena together ensure a very sensitive protection of persons, electrical devices and wiring.

### □ Central position of defect indication

The release mechanism enables a central indication position which informs the user that the MCB has not been switched-off manually but by a thermal or short-circuit protection (the lever is moved just to the half-way of its motion). In case of manual switch-off, the MCB is always moved to its final low position. Therefore you can know very quickly if there is a defect at the circuit, or if the circuit has been switched-off by an operator

### □ Instantaneous switching of contacts, independent on the rate of lever motion

### □ Unique extinguishing chamber

### □ Unique auxiliary mechanism for fastening and removal of the MCB from the DIN strip

Besides the normal fastening onto the DIN strip, this unique auxiliary mechanism for fastening and removal enables also an easy removal of the MCB from a row of devices mutually interconnected by forked or rack (reed)interconnecting strip without necessity to dismantle the whole interconnecting strip

Other advantages of this solution:

The mechanisms will not fall-out from the MCBs body.

Arrestment in final positions

No steel spring

### □ Colored indication of contact condition with dust protection

The MCB is equipped with a colored indication of contact condition, which is independent on the lever position, and it depends just on the real contact condition. In addition, this indication is protected against dust penetration into the MCB by a transparent plastic cover with enlarging effect.

Switched-on-red I-ON

Switched-off-green O-OFF

### □ Universal terminals for different interconnecting strips

The terminals are solved as interconnecting forked or rack (reed) strips.

## Order Note

Following items should be marked when ordering	Ordering sample
Product name and model	To order EBS9B-63 Miniature circuit breaker, 2Poles, curve C, rated
Frame level	current 20A, quantity is 100 pieces, should be marked: MCB
Poles	EBS9B-63/2PC20 100PCS.
Tripping characteristic, rated current	
Quantity	