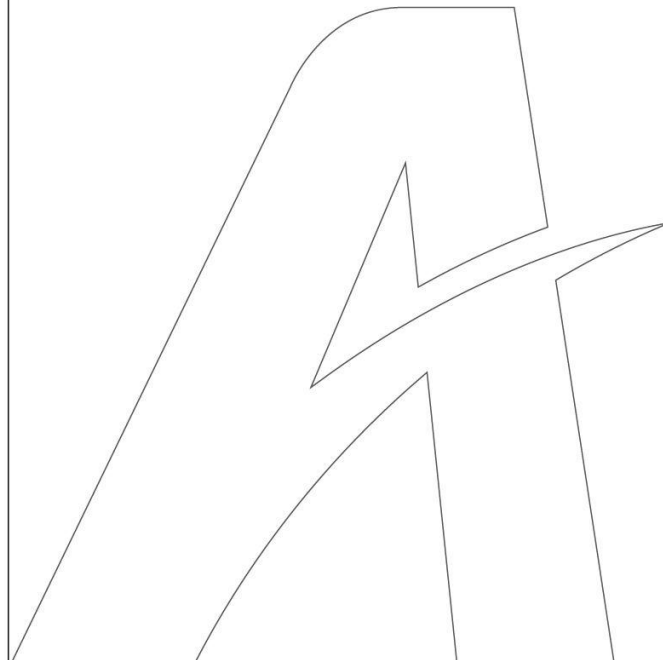
 Specifications and technical data are subject to change without notice.
Please contact us to confirm relevant information on ordering.



CIRCUIT BREAKER

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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.

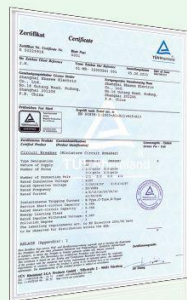
EBASEE have wide range cooperations with world leading companies in new products developing or OEM, ODM cooperation. Meanwhile we also process industry cooperation on intelligent home products, and work with some university such as Xi'an Jiao Tong University on project solutions. EBASEE is focused on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



EBS6M Series Moulded Case Circuit Breaker



1.Application

EBS6M series moulded case circuit breaker is one of breaker which adopts international advanced design,manufacture technology to develop,The rated insulating voltage is 750V,suitable for AC50/60Hz, rated working voltage 690V or below, rated working current is 12.5A to 1600A of circuit and used in distributing electric energy, and non-frequent breaking in the normal conditions, protecting the circuit & equipment from overload & under voltage, circuit breaker with rated frame current 400A or below, can be used in mousecage motor's non-frequent start, breaking during working, protecting motor from overload, short circuit & undervoltage, the product conforms to IEC60947-2 standard.

2.Main Technical Specifications

Type	Pole	Rated insulating voltage (V)	Rated operating voltage (V)	Rated ultimate short circuit breaking capacity Icu(KA)at380/415V	Rated service short circuit breaking capacity Ics(KA)at380/415V	Operation performance ON OFF	Utilization category
EBS6M-100N	3,4 pole	750	690 or below	25	25	1500	A
EBS6M-100H				70	70		
EBS6M-100L				150	150	1000	
EBS6M-160N				36	36		
EBS6M-160H				70	70		
EBS6M-160L				150	150	1000	
EBS6M-250N				36	36		
EBS6M-250H				70	70		
EBS6M-250L				150	150	1000	
EBS6M-400N				45	45		
EBS6M-400H				70	70	1000	
EBS6M-400L				150	150		
EBS6M-630N	3 pole	750	690 or below	45	45	1000	
EBS6M-630H				70	70		
EBS6M-630L				150	150	1000	
EBS6M-1250N				50	37.5		
EBS6M-1600N				50	37.5	1000	

Note:1.The N-pole breaker has no protection which closing and opening with the other three poles.

2.The type of thermal magnetic for EBS6M-400/630 has no four poles.

3.Trip Units Main Technical Parameter



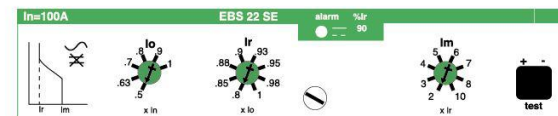
Type	Rated current In(A)	Note
EBS6M-100	12,5,16,20,25,32,40,50,63,80,100	T adjustable(0.8~1In) M adjustable(5~10In)
EBS6M-160	16,20,25,32,40,50,63,80,100,125,160	
EBS6M-250	160,180,200,225,250	
EBS6M-400	315,350,400	
EBS6M-630	400,500,630	
EBS6M-1250	80,010,001,250	
EBS6M-1600	100,012,501,600	

Electronic Release



EBS6M-250N/4P

EBS6M 22SE: protection of low-voltage distribution networks for EBS6M-100/160/250

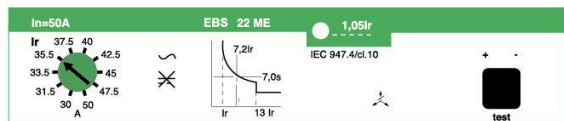


1. Overload protection with adjustable threshold
2. Short-circuit protection with adjustable threshold
3. Load indication: light at 90% of Ir setting threshold;

Flashing at 105% or more of Ir setting threshold

Type	Rated current In(A)	Note
EBS6M-100	40,100	Ir=0.4...1*In(adjustable 48 setting) Tripping between 1.05...1.3*Ir(IEC60947-2) (Long-time overload protection)
EBS6M-160	40,100,160	
EBS6M-250	40,100,160,250	Im=2-3-4-5-6-7-8-10*Ir (short-circuit protection)

EBS6M 22SE: protection of motor for EBS6M-100/160/250



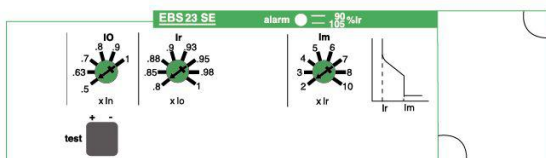
EBS6M-630N/4P

1. Overload protection with adjustable threshold, as defined by IEC60947-4(2) tripping class 10
2. Short-circuit protection with fixed threshold (13*Ir)
3. phase failure protection (tripping time delay between 3.5s-6s)
4. Load indication: dark less than 105% of Ir setting threshold;

Flashing at 105% or more of Ir setting threshold

Type	Rated current In(A)	Note
EBS6M-100	40,50,80,100	Ir=0.6-0.63-0.67-0.71-0.75-0.80-0.85-0.90-0.95-1*In
EBS6M-160	40,50,80,100,150	
EBS6M-250	40,50,80,100,150,220	

EBS6M 23SE: protection of low-voltage distribution networkers for EBS6M-400/630



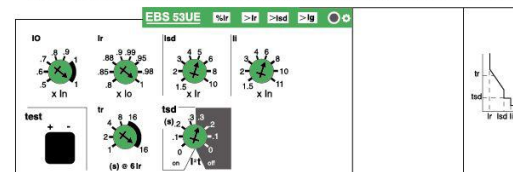
EBS6M-1600N/4P

1. Overload protection with adjustable threshold
2. Short-circuit protection with adjustable threshold
3. Load indication: light at 90% of Ir setting threshold;

Flashing at 105% or more of Ir setting threshold

Type	Rated current In(A)	Note
EBS6M-400	400	Ir=0.4...1*In (adjustable 48 setting) Tripping between 1.05...1.3*Ir (IEC60947-2) (Long-time overload protection) Im=2-3-4-5-6-7-8-10*Ir (short-circuit protection)
EBS6M-630	630	

EBS6M 53UE: protection of low-voltage distribution networkers for EBS6M-400/630

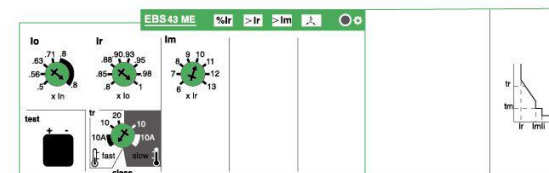


1. Overload protection with adjustable threshold, as defined by IEC60947-4(2)
2. Short-circuit protection with adjustable threshold
3. Instantaneous short-circuit protection
4. Earth fault protection with adjustable threshold
5. Load indication: light at 90% of Ir setting threshold; Flashing more than Ir setting threshold
6. Fault indication

LEDs indicate the type of fault that caused tripping: Overload (LT protection) or abnormal component temperature (> Ir); Short-circuit (ST or instantaneous protection) (> Im); Earth fault (if earth fault protection option is present) (I_g); Microprocessor malfunction (both (> Ir) and (> Im)) LEDs go on, plus the (I_g) LEDs if earth fault protection option is present. Battery powered. Spare batteries are supplied in an adapter box. When a fault occurs, the LED indicating the type of fault, lights for about 10 minutes. The information is however stored in memory. The LED can be illuminated by pressing the test pushbutton. The LED automatically goes off and the memory is cleared when the circuit breaker is reset.

Type	Rated current In(A)	Note
EBS6M-400	400	Ir=0.4...1*In (adjustable 48 setting) Tripping between 1.05...1.3*Ir (IEC60947-2) at 6*Ir Trip time: 1s, 2s, 4s, 8s, 16s (adjustable) (Long-time overload protection) Isd=1.5-2-3-4-5-6-7-8-10*Ir Trip time: 0s, 0.1s, 0.2s, 0.3s, adjustable+12t (short-circuit short time delay protection) Ii=1.5-2-3-4-6-7-8-10-11*Ir (Instantaneous short-circuit protection) I _g =0.1-0.2-0.3-0.4-0.50-6-0.7-0.8-1*Ir Trip time: 0.1s, 0.2s, 0.3s, 0.4s adjustable+12t (Earth fault protection) (if option is present)
EBS6M-630	630	

EBS6M 43ME: protection of motor for EBS6M-400/630



1. Overload protection with adjustable threshold, as defined by IEC60947-4(2) tripping class 10A, 10 and 20

2. Short-circuit protection with adjustable threshold ($6 \dots 13 \cdot I_r$)

3. Phase failure protection (built-in electronic release: operates unbalanced single-phase

current at 40% and more than) (tripping time delay $4s \pm 10\%$), as defined by IEC60947-4.1

4. Load indication: Flashing more than I_r setting threshold

5. Fault indication

LEDs indicates the type of fault that caused tripping

Overload (LT protection) or abnormal component temperature ($> I_r$);

Short-circuit (ST or instantaneous protection) ($> I_m$);

Phase failure (right LED);

Microprocessor malfunction ($> I_r$) ($> I_m$) and phase failure LEDs all go on)

Battery powered. Spare battery are supplied in an adapter box. When a fault occurs, the LED indicating the type of fault, lights for about 10 minutes. The information is however stored in memory.

The LED can be illuminated by pressing the test pushbutton. The LED automatically goes off and memory is cleared when the circuit breaker is reset.

Type	Rated current I_n (A)	Note
EBS6M-400	400	$I_r = 0.4 \dots 1 \cdot I_n$ (adjustable 48 setting Trip degree: class 10A, 10, 20 (IEC60947-4) (Long-time overload protection) $I_m = 6-7-8-9-10-11-12-13 \cdot I_r$ (short-circuit protection)
EBS6M-630	630	

4. Accessories

Accessories	Rated operating voltage	Consumption		For type
		Pick-up	Seal-in	
Shunt release (MX)	24V	< 10VA	< 5VA	EBS6M-100-630
	100V			
	220/230V			
	380/400V			
Under-voltage release (UN)	220/230V	< 10VA	< 5VA	EBS6M-100-630
	380/400V			



Under-voltage release
Shunt release

Accessories	Rated operating voltage	Rated operating current		For type
		AC12	AC15	
Auxiliary contact (OF)	380/400V	6	3	EBS6M-100-630
Alarm contact (AL)	380/400V	6	3	



Auxiliary contact
Alarm contact

Rotary Handle



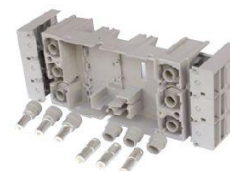
Rotary handle

Direct rotary handle

Degree of protection: IP40

Function:

- (1) suitability for isolation
- (2) indication of three positions o(off)(on)and tripped
- (3) press"push to trip"button, can trip-free
- (4) visibility of and access to trip unit settings
- (5) the circuit breaker can be locked in the off position by one to three padlocks, diameter 5 to 8mm(not supplied)



plug-in base

Extended rotary handle

Degree of protection: IP55

Function:

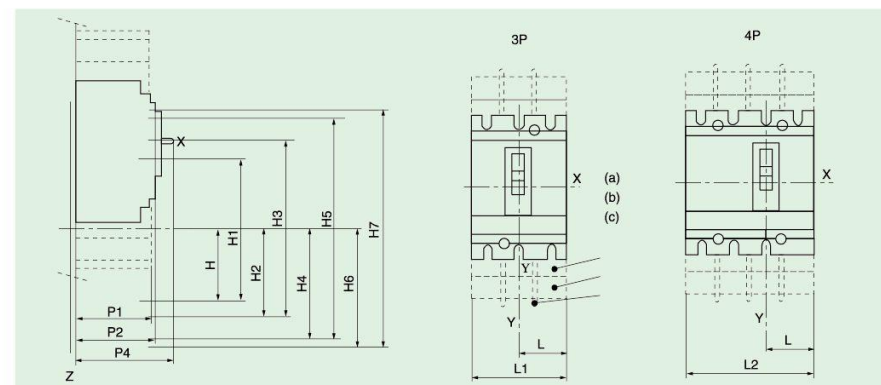
- (1) Suitability for isolation
- (2) Indication of three positions o(off)(on)and tripped
- (3) Visibility of and access to trip unit settings when the door is open
- (4) Door opening prevented when circuit breaker is on
- (5) The circuit breaker can be locked in the off position by one to three padlocks, diameter 5 to 8mm(not supplied), locking prevents opening of the switchboard door

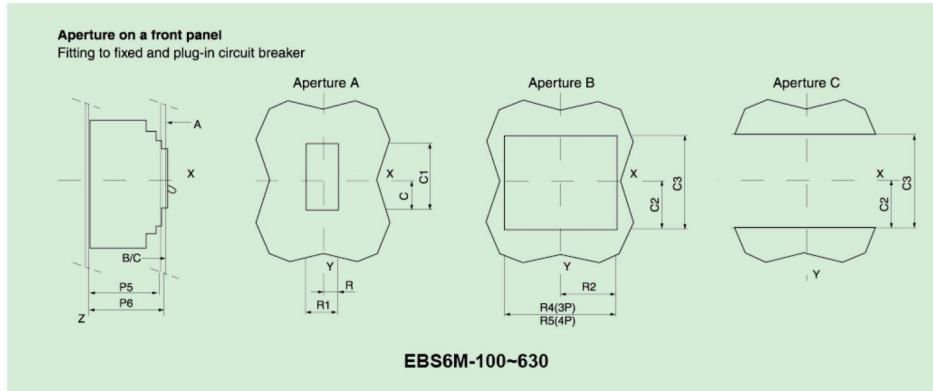
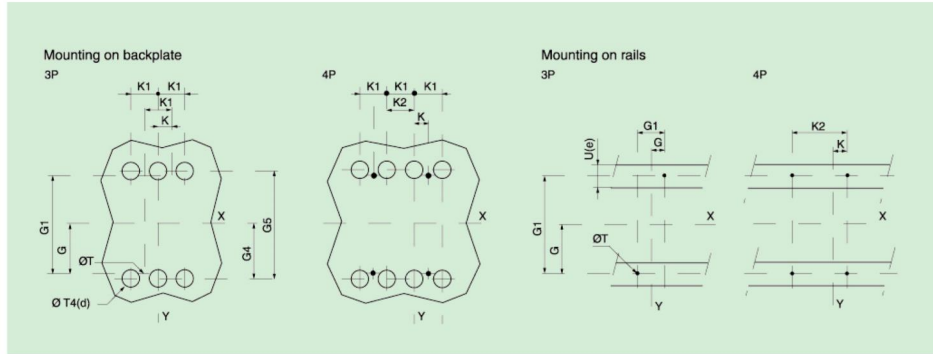
5. Installation: Circuit breaker may be mounted vertically, horizontally or flat on their back without any derating of characteristics.

6. Fix: Mounting on backplate, mounting on rails

7. Connection: Front panel connection, back panel connection, plug-in connection

8. Outline and Installation Dimension





mm	C	C1	C2	C3	G	G1	G4	G5	H	H1	H2
EBS6M 100/160/250N/H/L	29	76	54	108	62.5	125	70	140	80.5	161	94
EBS6M 400/630N/H/L	41.5	116	92.5	184	100	200	113.5	227	127.5	255	142.5
EBS6M 1250/1600N									100	255	

mm	H3	H4	H5	H6	H7	K	K1	K2	L	L1	L2	P1	P2	P4	P5
EBS6M 100/160/250N/H/L	188	160.5	321	178.5	357	17.5	35	70	52.5	105	140	81	86	111	83
EBS6M 400/630N/H/L	285	240	480	237	474	22.5	45	90	70	140	185	95.5	110	168	107
EBS6M 1250/1600N						99.5	199	209	99.5	199	269	107.5		205	

mm	P6	R	R1	R2	R4	R5	ØT	ØT4	(Ue)
EBS6M 100/160/250N/H/L	88	14.5	29	54	108	143	6	22	≤32
EBS6M 400/630N/H/L	112	31.5	63	71.5	143	188	6	32	≤32
EBS6M 1250/1600N							6.5		

* P4=126 is suitable for AM2 250N/H/L