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

No.18, Gutang Rd, Shanghai 201209, China
+86 21 5032 0898
+86 21 5032 0828
info@ebasee.com
www.ebasee.com

CONTROL ELECTRIC

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EBASEE

Smart Living Green Ebasee

CONTROL ELECTRIC

01 Verified Custom Manufacturer

02 Supplier of Fortune 500 Companies

03 Registered Trademarks

COMPANY PROFILE

As a leading supplier in the low voltage electrical industry, Shanghai Ebasee Electric Co., Ltd. products have been used for residential, commercial and industrial applications. EBASEE brand is recognized for its quality and reliability in an ever-increasing number of markets worldwide. So far EBASEE products have been testified by international labs including BV, TUV, Intertek, with KEMA, CB, SEMKO, RoHS, CE, and CCC etc.

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

EBASEE have a wide range of cooperations with world leading companies in new products development, OEM and ODM cooperation. Meanwhile, we process the idea of green and smart energy, working with universities such as Xi'an Jiao Tong University to get more intelligent and environmental-friendly electric solutions.

EBASEE focused on achieving growth through the success of worldwide partners. Guided by the philosophy of "customer-oriented", powered by the idea of "quick response and flexible supply", EBASEE support our worldwide partners to compete against established players, to deliver the most systematic and cost-effective products and service in the market.

"Smart Living, Green EBASEE"

MANUFACTURING FACILITY

SMART LIVING GREEN EBASEE

QUALITY MANAGEMENT SYSTEM CERTIFICATE

Certificate No. 0012EQ3918R2S/3100

We hereby certify that

Shanghai Ebasee Electric Co.,Ltd.

Registration Address: Building 1, No.612, Shangchuan Road, Pudong New District, Shanghai, China
Operation Address: Room 4228, 4F A, No.18, Gutang Road, Pudong New District, Shanghai, China

by reason of its

Quality Management System

has been awarded this certificate for compliance with the standard

GB/T 19001-2016 / ISO 9001:2015

The Quality Management System Applies in the following area:

Productive Technology Management and Sales of Low Voltage Electric Products

Certified since: February 2, 2015 Valid from: November 9, 2020 Valid until: February 1, 2024

After a surveillance audit, the certificate is valid only when you together with an Accepted Notice of Surveillance issued by CQC. The validation and its extension information can be found at the website of Certification and Accreditation Administration of the People's Republic of China (www.cnca.gov.cn).

CHINA QUALITY CERTIFICATION CENTRE

A 0089015

CERTIFICATE

EBASEE products have been approved by international labs including BV, TUV, Intertek CQC, with KEMA, CB, SEMKO, RoHS, CE, and CCCs etc.

ATTESTATION
of conformity with European Directives

Product: MCB
Reference: BYO3B Series
Issued to: Shanghai Ebasee Electric Co., Ltd.
Address: No.18 Gutang Road, Pudong, Shanghai 201209 P. R. China
Manufacturer: Shanghai Ebasee Electric Co., Ltd.
Technical characteristics: Type B,C and D
Ue=230V(±10%)~(1P); 415V~(2P;3P;3P+N;4P)
240V~(1P+N);
In=6;10;16A;20A;25A;32A;40A;50A;63A
Icu=Icn1=10000A Icw=500A
Energy limit class: 3(according to EN 60898-1)
UI=500V;UImp=4kV
Grid distance: 35mm;Screw diameter of load terminal =4.5mm

The submitted sample of the above equipment has been tested for CE marking according to following European Directive and following standards:

Low Voltage Directive 2014/35/EU

Standards	Report number	Report Date
EN 60898-1:2003 + A1:2004 + A11:2015 + A12:2016 + A13:2012	R180075	15/05/2019

This standard ensures that the product conforms with essential requirements of applicable Directive. Compliance with the essential requirements of the applied Directive.

It's a certificate issued by third assessment of the production of the product.

The CE marking may be affixed at the discretion of the manufacturer.

Shanghai (P.R. China), 3, June 11th, 2019.

Charlie CHEN
Technical Line Manager

CE

Intertek

Certificate

for European Product Safety

Reference No. 1218757

Low-voltage switchgear and controlgear:
AC contactors

Type designation: EB5LC-0510, EB5LC-1210, EB5LC-1810, EB5LC-2410, EB5LC-3210, EB5LC-8011, EB5LC-9611

Certificate holder: SHANGHAI FRASFP ELECTRIC CO., LTD
No. 18, Gutang road, Shanghai, China 201209

The product complies with the standard(s): EN 60947-4-1:2001+A1+A2
EN 60947-5-1:2004 and A1

Date of expiry: 23 August 2017

EU Directive information: The product satisfies the provisions for CE marking according to the Low Voltage Directive 2006/95/EC.

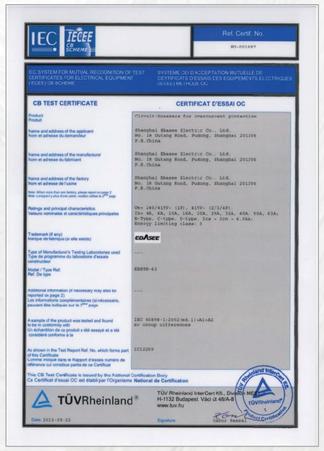
Additional information in Appendix.

Certification Body: Intertek Semko AB, Product Certification Place: Kista - Stockholm

Signed: Bo Sergell Date: 23 August 2012

Page 1 of 2

This certificate is issued in accordance with the terms and conditions set out in the Appendix.



IEC IECEE CB SCHEME

Ref. Certif. No.

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

SYSTEME DE D'ACCEPTATION MUTUELLE DE CERTIFICATS D'ESSAIS DES EQUIPEMENTS ELECTRIQUES (IECEE) METHODE CB

CB TEST CERTIFICATE

CERTIFICAT D'ESSAI CC

Product: Circuit-breaker for overcurrent protection

Name and address of the applicant: Shanghai Ebasee Electric Co., Ltd. No. 18 Gutang Road, Pudong, Shanghai 201206 P.R.China

Name and address of the manufacturer: Shanghai Ebasee Electric Co., Ltd. No. 18 Gutang Road, Pudong, Shanghai 201206 P.R.China

Name and address of the factory: Shanghai Ebasee Electric Co., Ltd. No. 18 Gutang Road, Pudong, Shanghai 201206 P.R.China

Ratings and principal characteristics: See Annex

Trademark (if any): EBASEE

Customer's Testing Facility (CTF) Stage used: /

Model / Type Ref.: BX80

Additional information (if necessary may also be reported on page 2): Additional information on page 2

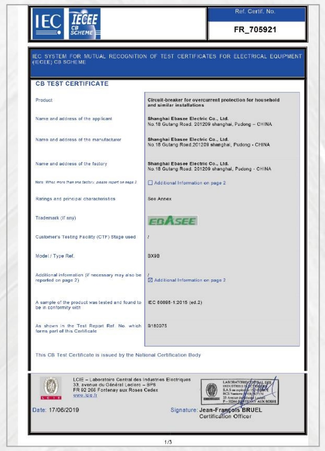
A sample of the product was tested and found to be in conformity with: IEC 60898-1:2002 (ed.2)+A1+A2 as comp situtaneous

As shown in the Test Report Ref. No. which forms part of this Certificate: CTL2029

This CB Test Certificate is issued by the National Certification Body

TÜVRheinland®

Date: 2013-05-22 Signature:



IEC IECEE CB SCHEME

Ref. Certif. No.
FR_705921

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product: Circuit-breaker for overcurrent protection for household and similar installations

Name and address of the applicant: Shanghai Ebasee Electric Co., Ltd. No.18 Gutang Road 201209 shanghai, Pudong – CHINA

Name and address of the manufacturer: Shanghai Ebasee Electric Co., Ltd. No.18 Gutang Road 201209 shanghai, Pudong – CHINA

Name and address of the factory: Shanghai Ebasee Electric Co., Ltd. No.18 Gutang Road 201209 shanghai, Pudong – CHINA

Additional Information on page 2

Ratings and principal characteristics: See Annex

Trademark (if any): EBASEE

Customer's Testing Facility (CTF) Stage used: /

Model / Type Ref.: BX80

Additional information (if necessary may also be reported on page 2): Additional information on page 3

A sample of the product was tested and found to be in conformity with: IEC 60898-1:2015 (ed.2)

As shown in the Test Report Ref No. which forms part of this Certificate: N180075

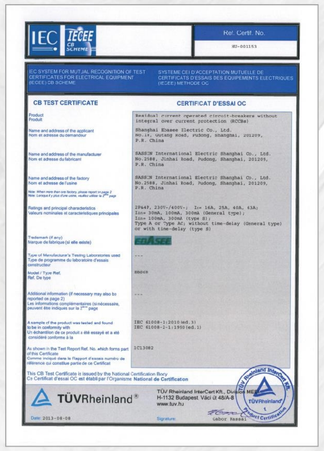
This CB Test Certificate is issued by the National Certification Body

LCIE Laboratoire Central des Industries Electriques
33, avenue du Général Leclerc – BP8
FR 92 260 Fontenay aux Roses Cedex
www.lcie.fr

TÜV Rheinland InterCert Kft., Dudapart
H-1132 Budapest, Váci út 48/A-B
www.tuv.hu

Date: 17/06/2019 Signature: Jean-François BRUEL, Certification Officer

1/5



IEC IECEE CB SCHEME

Ref. Certif. No.

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

SYSTEME DE D'ACCEPTATION MUTUELLE DE CERTIFICATS D'ESSAIS DES EQUIPEMENTS ELECTRIQUES (IECEE) METHODE CC

CB TEST CERTIFICATE

CERTIFICAT D'ESSAI CC

Product: Residual current operated circuit-breakers without integral over current protection (RCCBs)

Name and address of the applicant: Shanghai Ebasee Electric Co., Ltd. No.18, Gutang road, Pudong, shanghai, 201209, P.R. China

Name and address of the manufacturer: SANECH International Electric Shanghai Co., Ltd. No.2588, Jinhai Road, Pudong, Shanghai, 201209, P.R. China

Name and address of the factory: SANECH International Electric Shanghai Co., Ltd. No.2588, Jinhai Road, Pudong, Shanghai, 201209, P.R. China

Ratings and principal characteristics: 2P&4P, 230V(400V), Icn 16A, 25A, 40A, 63A; Idn= 30mA, 100mA, 300mA (General type); Idn= 100mA, 300mA (type B); Type A or Type AC, without time-delay (General type) or with time-delay (type S)

Trademark (if any): EBASEE

Customer's Testing Facility (CTF) Stage used: /

Model / Type Ref.: BM8EN

Additional information (if necessary may also be reported on page 2): ---

A sample of the product was tested and found to be in conformity with: IEC 61008-1:2010 (ed.3) IEC 61008-2-1:1990 (ed.1)

As shown in the Test Report Ref. No. which forms part of this Certificate: 1C13982

This CB Test Certificate is issued by the National Certification Body

TÜV Rheinland InterCert Kft., Dudapart
H-1132 Budapest, Váci út 48/A-B
www.tuv.hu

Date: 2013-10-08 Signature:

Zertifikat / Certificate

TÜVRheinland

Zertifikat Nr. / Certificate No.: R 50311848
Blatt / Page: 0001
Ihr Zeichen / Your Reference: W.B
Unser Zeichen / Our Reference: 01-ZYI- 15093530 001
Ausstellungsdatum / Date of Issue: 05.06.2015

Genehmigungsinhaber / License Holder: Shanghai Ebasee Electric Co., Ltd. No.18 Gutang Road, Pudong, Shanghai 201206 P.R. China

Fertigungsstätte / Manufacturing Plant: Shanghai Ebasee Electric Co., Ltd. No.18 Gutang Road, Pudong, Shanghai 201206 P.R. China

Prüfzeichen / Test Mark: TÜVRheinland Type Approved Safety Tested Production Surveillance

Geprüft nach / Tested acc. to: EN 62198:2011

Zertifiziertes Produkt (Gerätekennbezeichnung) / Certified Product (Product Identification): Empty Enclosure (Empty Enclosure)

Lizenzeinheit / Licence Unit: S

Type Designation: EB2CH2n-
n = P or S
P = 4; 6; 8; 12; 18; 24 or 36
EB4CH6(Loop)

Trade mark: ---

Rated Insulation Voltage: AC 69kV

Intended Location: Indoor

Degree of Protection: IP30, after installation
IK07

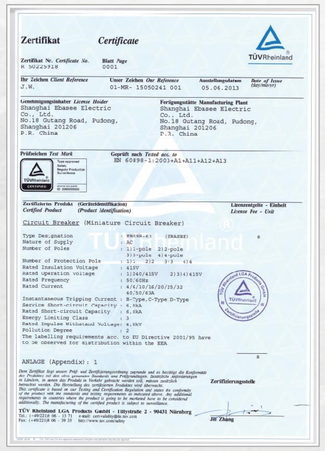
The labelling requirements acc. to no directive 2001/95 have to be observed for distribution within the EEA.

ANLAGE (Appendix): 1.0

Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg
Tel.: (+49)2158 06 - 0, E-Mail: info@tuv-lga.com
Fax: (+49)2158 06 - 39 55, http://www.tuv.com/safety

Jie Zhang



Zertifikat / Certificate

TÜVRheinland

Zertifikat Nr. / Certificate No.: R 50262916
Blatt / Page: 0001
Ihr Zeichen / Your Reference: J.W.
Unser Zeichen / Our Reference: 01-MKR- 15050241 001
Ausstellungsdatum / Date of Issue: 05.04.2013

Genehmigungsinhaber / License Holder: Shanghai Ebasee Electric Co., Ltd. No.18 Gutang Road, Pudong, Shanghai 201206 P.R. China

Fertigungsstätte / Manufacturing Plant: Shanghai Ebasee Electric Co., Ltd. No.18 Gutang Road, Pudong, Shanghai 201206 P.R. China

Prüfzeichen / Test Mark: TÜVRheinland Type Approved Safety Tested Production Surveillance

Geprüft nach / Tested acc. to: EN 60898-1:2003+A1:2004+A11+A12+A13

Zertifiziertes Produkt (Gerätekennbezeichnung) / Certified Product (Product Identification): Miniature Circuit Breaker

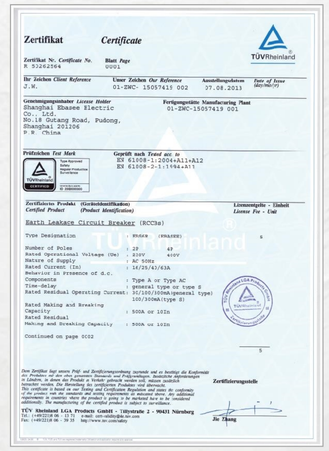
Lizenzeinheit / License Unit: S

Type Designation: MB6EN-63 (EBASEE)
Nature of Supply: AC
Number of Poles: 1:1-pole 2:2-pole 3:3-pole 4:4-pole
Number of Protection Pole: 1:1; 2:2 3:3; 4:4
Rated Insulation Voltage: 415V
Rated operation voltage: 1:240/415V 2:3:4:415V
Rated Frequency: 50/60Hz
Rated Current: 6/6/10/16/20/25/32 40/50/63A
Instantaneous Tripping Current: B-Type,C-Type D-Type
Service Short-circuit Capacity: 6.0kA
Rated Short-circuit Capacity: 6.0kA
Energy Limiting Class: 3
Rated Impulse Withstand Voltage: 4.0kV
Pollution Degree: 2
The labelling requirements acc. to EU Directive 2001/95 have to be observed for distribution within the EEA.

Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg
Tel.: (+49)2158 06 - 0, E-Mail: info@tuv-lga.com
Fax: (+49)2158 06 - 39 55, http://www.tuv.com/safety

Jie Zhang



Zertifikat / Certificate

TÜVRheinland

Zertifikat Nr. / Certificate No.: R 50262964
Blatt / Page: 0001
Ihr Zeichen / Your Reference: J.W.
Unser Zeichen / Our Reference: 01-ZWC- 15057415 002
Ausstellungsdatum / Date of Issue: 07.08.2013

Genehmigungsinhaber / License Holder: Shanghai Ebasee Electric Co., Ltd. No.18 Gutang Road, Pudong, Shanghai 201206 P.R. China

Fertigungsstätte / Manufacturing Plant: 01-ZWC-15057419 001

Prüfzeichen / Test Mark: TÜVRheinland Type Approved Safety Tested Production Surveillance

Geprüft nach / Tested acc. to: EN 61008-1:2004+A11+A12 EN 61008-2-1:1994+A11

Zertifiziertes Produkt (Gerätekennbezeichnung) / Certified Product (Product Identification): Earth Leakage Circuit Breaker (RCCBs)

Lizenzeinheit / License Unit: S

Type Designation: RM6EN (EBASEE)
Number of Poles: 2:2P 4:4P
Rated Operational Voltage (Ue): 230V; 415V
Nature of Supply: AC 50Hz
Rated Current (In): 16/25/63/63A
Behavior in Presence of d.c. Components: Type A or Type AC
Time-delay: general type or type S
Rated Residual Operating Current: 30/100/300mA(general type) 100/300mA(type S)
Rated Making and Breaking Capacity: 500A or 10In
Rated Residual Making and Breaking Capacity: 500A or 10In

Continued on page 0002

Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg
Tel.: (+49)2158 06 - 0, E-Mail: info@tuv-lga.com
Fax: (+49)2158 06 - 39 55, http://www.tuv.com/safety

Jie Zhang

1.General

EBSE1 DOL starter mainly applies to circuit of AC 50 or 60Hz, voltage up to 550V for remote making and breaking circuit and frequently starting and controlling motor. It features small volume light weight, low power consumption, high efficiency, safe and reliable performance etc.

2.Nomenclature

EBS E1 - 25 P 5

- 5 — Frequency of coil
- P — Voltage of coil
- 25 — Rated current(A)
- E1 — Design code
- EBS — Company code

3.Operation and Installation Condition

- ☐ The ambient temperature: the ceiling should not exceed +40℃, the lower bound should not be lower than -5℃, and the average value in 24h should not exceed +35℃.
- ☐ Altitudes in installation site is not over 2000m.
- ☐ The relative humidity of the atmosphere should not exceed 50% when the temperature is +40℃.
- ☐ Pollution grade at installation site: 3 grade.
- ☐ Installation classification III classification.
- ☐ The starter should be installed in the vertical plane, its gradient should not exceed 5°.
- ☐ PVC copper insulated conductors are recommended, the sectional area shall meet the set current, orit will interfere with the working performance.
- ☐ EBSE1 40-95A shell is metal, the grounding screw should be connected to the ground well.

4.Specifications

Type	Standard		IEC60947-4-1, IEC60439-1
Electrical features	Rated current In	A	09, 12, 18, 25, 32, 40, 50, 65, 80, 95
	Rated insulating voltage	V	690
	Control		1-green: start button "I"
	(Two pushbuttons mounted on enclosure cover)		2-red: stop/reset button "O"
	Rated frequency	Hz	50/60
	Connections		Pre-wired power and control circuit connections
	Protection degree		IP65
Mechanical features	Material		EBS1E-09~32 plastic EBS1E-40~95 metal
	Working form (with daily average≤35℃)	℃	8 hours uninterrupted duty intermittent periodic duty: 600 time/hour without thermal relay at 40%t power access rate 15 times/hour with thermal relay
	Mechanical life		$6x10^6$ times
	Electrical life		$6x10^5$ times
	Ambient air temperature	℃	-5~+40
	meter		2000
	Pollution degree		3
	Installation category		3

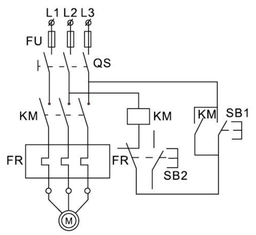
Standard power ratings of 3-phase motors 50-60Hz in category AC-3			Rated current	Conventional heating current Ith (A)	Matched thermal relay(1)	Type code
220V 230V kW	380V 400V kW	660V 690V kW	380V A			230V 50HZ Please contact us for other coil voltage.
2.2	4	5.5	9	20	1TR-25	E1 09P5
3	5.5	7.5	12	20	1TR-25	E1 12P5
4	7.5	9	18	32	1TR-25	E1 18P5
5.5	11	15	25	40	1TR-25	E1 25P5
7.5	15	18.5	32	50	1TR-36	E1 32P5
11	18.5	30	40	60	1TR-93	E1 40P5
15	22	33	45	80	1TR-93	E1 50P5
18.5	30	37	65	80	1TR-93	E1 65P5
22	37	45	85	110	1TR-93	E1 85P5
25	45	45	95	125	1TR-93	E1 95P5

(1) One starter can be installed with different setting current thermal relay to control different power motor and protect overload, the relay has to be ordered separately.

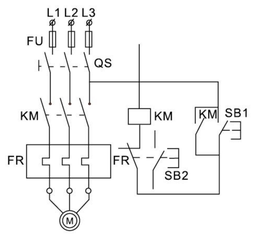
(2) Code of Coil

Coil voltage Us(V)	24	36	48	110	127	220	230	240	380	415	440	480	500	600	660
50Hz	B5	C5	E5	F5	G5	M5	P5	U5	Q5	N5	R5	-	S5	-	Y5
60Hz	B6	-	E6	F6	G6	M6	P6	U6	Q6	N6	R6	T6	-	S6	-
50/60Hz	B7	-	E7	F7	-	M7	P7	-	Q7	N7	R7	-	-	-	-

5.Dimensions



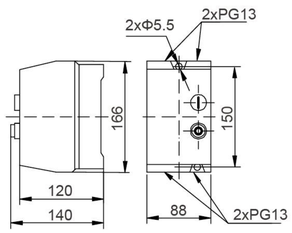
Drawing 1:
circuit controlling diagram
of the same voltage



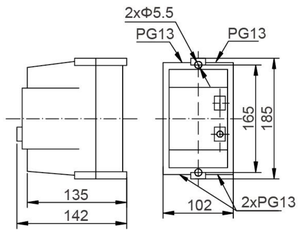
Drawing 2:
circuit controlling diagram
of the different voltage

FU-Fuse
KM-Contactor
SB1-Startup pushbutton
SB2-Breaking pushbutton
FR-Thermal relay
QS-Isolating (micro) switch
M-Motor

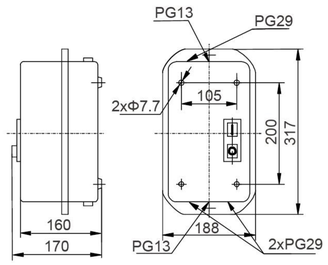
EBSE1-09/12/18



EBSE1-25/32



EBSE1-40/50/65/80/95



6.Order Note

Following items should be marked when ordering	Ordering sample
Product name and model Rated current Setting current range Quantity	To order EBSE1 DOL Starter, rated current is 25A, setting current range is 18A, quantity is 1000 pieces, should be marked: Thermal relay EBSE1-25/18, 1000PCS.