



Ref. Certif. No.

FR_713301/M1

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

Zhejiang ETEK Electrical technology CO., LTD
NO.288 Wei 17th Road, Yueqing Economic Development Zone
Yueqing, Wenzhou, Zhejiang Province - China

Name and address of the manufacturer

**ZHEJIANG CHANGAN ELECTRICAL ENGINEERING
CO.,LTD.**
NO.288 Wei 17th Road, Yueqing Economic Development
Zone, Yueqing, Wenzhou, Zhejiang Province - China

Name and address of the factory

**ZHEJIANG CHANGAN ELECTRICAL ENGINEERING
CO.,LTD.**
NO.288 Wei 17th Road, Yueqing Economic Development
Zone, Yueqing, Wenzhou, Zhejiang Province - China

Note: When more than one factory, please report on page 2

☐ Additional Information on page 2

Ratings and principal characteristics

See Annex

Trademark / Brand (if any)

ETEK

Customer's Testing Facility (CTF) Stage used

/

Model / Type Ref.

EKM2-63 / EKM2-63S
See Annex

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

Supersedes CBTC FR_713301 dated 23/02/2022. Addition of
product references, Change or modification of the design

☐ Additional Information on page 2

A sample of the product was tested and found to
be in conformity with

IEC 60898-1:2015 +A1:2019

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

B220010,
B220010-A1

This CB Test Certificate is issued by the National Certification Body

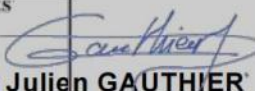


LABORATOIRE CENTRAL DES INDUSTRIES ELECTRIQUES - LCIE
33 avenue du Général Leclerc
92260 Fontenay-aux-Roses, FRANCE
www.lcie.fr

Date: 11/05/2022



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S.A.S au capital de 15.745.984 €
RCS Nanterre B 408 363 174
33 avenue du Général Leclerc
F - 92266 FONTENAY AUX ROSES

Signature: 
Certification Officer

ANNEX

References, ratings and main characteristics:

EKM2-63		1P	2P	3P	4P
		Icn=6000A			
1A	Type C	1PC0160	2PC0160	3PC0160	4PC0160
2A	Type C	1PC0260	2PC0260	3PC0260	4PC0260
3A	Type C	1PC0360	2PC0360	3PC0360	4PC0360
4A	Type C	1PC0460	2PC0460	3PC0460	4PC0460
6A	Type C	1PC0660	2PC0660	3PC0660	4PC0660
10A	Type C	1PC1060	2PC1060	3PC1060	4PC1060
16A	Type C	1PC1660	2PC1660	3PC1660	4PC1660
20A	Type C	1PC2060	2PC2060	3PC2060	4PC2060
25A	Type C	1PC2560	2PC2560	3PC2560	4PC2560
32A	Type C	1PC3260	2PC3260	3PC3260	4PC3260
40A	Type C	1PC4060	2PC4060	3PC4060	4PC4060
50A	Type C	1PC5060	2PC5060	3PC5060	4PC5060
63A	Type C	1PC6360	2PC6360	3PC6360	4PC6360

EKM2-63		1P	2P	3P	4P
		Icn=6000A			
1A	Type B	1PB0160	2PB0160	3PB0160	4PB0160
2A	Type B	1PB0260	2PB0260	3PB0260	4PB0260
3A	Type B	1PB0360	2PB0360	3PB0360	4PB0360
4A	Type B	1PB0460	2PB0460	3PB0460	4PB0460
6A	Type B	1PB0660	2PB0660	3PB0660	4PB0660
10A	Type B	1PB1060	2PB1060	3PB1060	4PB1060
16A	Type B	1PB1660	2PB1660	3PB1660	4PB1660
20A	Type B	1PB2060	2PB2060	3PB2060	4PB2060
25A	Type B	1PB2560	2PB2560	3PB2560	4PB2560
32A	Type B	1PB3260	2PB3260	3PB3260	4PB3260
40A	Type B	1PB4060	2PB4060	3PB4060	4PB4060
50A	Type B	1PB5060	2PB5060	3PB5060	4PB5060
63A	Type B	1PB6360	2PB6360	3PB6360	4PB6360



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EKM2-63S		1P	2P	3P	4P
		Icn=4500A			
1A	Type C	1PC0145	2PC0145	3PC0145	4PC0145
2A	Type C	1PC0245	2PC0245	3PC0245	4PC0245
3A	Type C	1PC0345	2PC0345	3PC0345	4PC0345
4A	Type C	1PC0445	2PC0445	3PC0445	4PC0445
6A	Type C	1PC0645	2PC0645	3PC0645	4PC0645
10A	Type C	1PC1045	2PC1045	3PC1045	4PC1045
16A	Type C	1PC1645	2PC1645	3PC1645	4PC1645
20A	Type C	1PC2045	2PC2045	3PC2045	4PC2045
25A	Type C	1PC2545	2PC2545	3PC2545	4PC2545
32A	Type C	1PC3245	2PC3245	3PC3245	4PC3245
40A	Type C	1PC4045	2PC4045	3PC4045	4PC4045
50A	Type C	1PC5045	2PC5045	3PC5045	4PC5045
63A	Type C	1PC6345	2PC6345	3PC6345	4PC6345

EKM2-63S		1P	2P	3P	4P
		Icn=4500A			
1A	Type B	1PB0145	2PB0145	3PB0145	4PB0145
2A	Type B	1PB0245	2PB0245	3PB0245	4PB0245
3A	Type B	1PB0345	2PB0345	3PB0345	4PB0345
4A	Type B	1PB0445	2PB0445	3PB0445	4PB0445
6A	Type B	1PB0645	2PB0645	3PB0645	4PB0645
10A	Type B	1PB1045	2PB1045	3PB1045	4PB1045
16A	Type B	1PB1645	2PB1645	3PB1645	4PB1645
20A	Type B	1PB2045	2PB2045	3PB2045	4PB2045
25A	Type B	1PB2545	2PB2545	3PB2545	4PB2545
32A	Type B	1PB3245	2PB3245	3PB3245	4PB3245
40A	Type B	1PB4045	2PB4045	3PB4045	4PB4045
50A	Type B	1PB5045	2PB5045	3PB5045	4PB5045
63A	Type B	1PB6345	2PB6345	3PB6345	4PB6345



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EKM2-63		1P	2P	3P	4P
		Icn=6000A			
1A	Type C	1PC01602	2PC01602	3PC01602	4PC01602
2A	Type C	1PC02602	2PC02602	3PC02602	4PC02602
3A	Type C	1PC03602	2PC03602	3PC03602	4PC03602
4A	Type C	1PC04602	2PC04602	3PC04602	4PC04602
6A	Type C	1PC06602	2PC06602	3PC06602	4PC06602
10A	Type C	1PC10602	2PC10602	3PC10602	4PC10602
16A	Type C	1PC16602	2PC16602	3PC16602	4PC16602
20A	Type C	1PC20602	2PC20602	3PC20602	4PC20602
25A	Type C	1PC25602	2PC25602	3PC25602	4PC25602
32A	Type C	1PC32602	2PC32602	3PC32602	4PC32602
40A	Type C	1PC40602	2PC40602	3PC40602	4PC40602
50A	Type C	1PC50602	2PC50602	3PC50602	4PC50602
63A	Type C	1PC63602	2PC63602	3PC63602	4PC63602

EKM2-63		1P	2P	3P	4P
		Icn=6000A			
1A	Type B	1PB01602	2PB01602	3PB01602	4PB01602
2A	Type B	1PB02602	2PB02602	3PB02602	4PB02602
3A	Type B	1PB03602	2PB03602	3PB03602	4PB03602
4A	Type B	1PB04602	2PB04602	3PB04602	4PB04602
6A	Type B	1PB06602	2PB06602	3PB06602	4PB06602
10A	Type B	1PB10602	2PB10602	3PB10602	4PB10602
16A	Type B	1PB16602	2PB16602	3PB16602	4PB16602
20A	Type B	1PB20602	2PB20602	3PB20602	4PB20602
25A	Type B	1PB25602	2PB25602	3PB25602	4PB25602
32A	Type B	1PB32602	2PB32602	3PB32602	4PB32602
40A	Type B	1PB40602	2PB40602	3PB40602	4PB40602
50A	Type B	1PB50602	2PB50602	3PB50602	4PB50602
63A	Type B	1PB63602	2PB63602	3PB63602	4PB63602



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EKM2-63S		1P	2P	3P	4P
		Icn=4500A			
1A	Type C	1PC01452	2PC01452	3PC01452	4PC01452
2A	Type C	1PC02452	2PC02452	3PC02452	4PC02452
3A	Type C	1PC03452	2PC03452	3PC03452	4PC03452
4A	Type C	1PC04452	2PC04452	3PC04452	4PC04452
6A	Type C	1PC06452	2PC06452	3PC06452	4PC06452
10A	Type C	1PC10452	2PC10452	3PC10452	4PC10452
16A	Type C	1PC16452	2PC16452	3PC16452	4PC16452
20A	Type C	1PC20452	2PC20452	3PC20452	4PC20452
25A	Type C	1PC25452	2PC25452	3PC25452	4PC25452
32A	Type C	1PC32452	2PC32452	3PC32452	4PC32452
40A	Type C	1PC40452	2PC40452	3PC40452	4PC40452
50A	Type C	1PC50452	2PC50452	3PC50452	4PC50452
63A	Type C	1PC63452	2PC63452	3PC63452	4PC63452

EKM2-63S		1P	2P	3P	4P
		Icn=4500A			
1A	Type B	1PB01452	2PB01452	3PB01452	4PB01452
2A	Type B	1PB02452	2PB02452	3PB02452	4PB02452
3A	Type B	1PB03452	2PB03452	3PB03452	4PB03452
4A	Type B	1PB04452	2PB04452	3PB04452	4PB04452
6A	Type B	1PB06452	2PB06452	3PB06452	4PB06452
10A	Type B	1PB10452	2PB10452	3PB10452	4PB10452
16A	Type B	1PB16452	2PB16452	3PB16452	4PB16452
20A	Type B	1PB20452	2PB20452	3PB20452	4PB20452
25A	Type B	1PB25452	2PB25452	3PB25452	4PB25452
32A	Type B	1PB32452	2PB32452	3PB32452	4PB32452
40A	Type B	1PB40452	2PB40452	3PB40452	4PB40452
50A	Type B	1PB50452	2PB50452	3PB50452	4PB50452
63A	Type B	1PB63452	2PB63452	3PB63452	4PB63452



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Rated operational voltage U_e : (V)	230/400V for 1P; 400V for 2P/3P/4P
Rated current I_n : (A)	1; 2; 3; 4; 6; 10; 16; 20; 25; 32; 40; 50; 63A
Rated frequency : (Hz)	50/60Hz
Nature of supply :	~
Total number of poles :	1P , 2P, 3P, 4P
Number of protected poles :	1P , 2P, 3P, 4P
Rated insulation voltage U_i : (V)	500V
Rated impulse withstand voltage U_{imp} : (V)	4000V
Instantaneous tripping current :	C and B
Reference ambient calibration air temperature : ($^{\circ}$ C)	30
Rated short-circuit capacity I_{cn} : (A)	6000A for EKM2-63 and 4500A for EKM2-63S
Rated making and breaking capacity on one pole separately I_{cn1} : (A)	6000A for EKM2-63 and 4500A for EKM2-63S
Energy limiting class I^2t :	1
Grid distance (short-circuit tests) :	55mm
Protection against external influences :	Enclosed
Protection degree :	IP20
Material group :	IIIa
Method of mounting :	On rail
Method of electrical connection	
not associated with the mechanical-mounting	
Type of terminals :	Pillar terminal
Nominal diameter of thread : (mm)	5.0mm
Operating means :	Lever (Insulating material)



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