



ATTESTATION of conformity with European Directives

Product: **Miniature Circuit Breaker**
Reference **EKM3-63**
Issued to **ZHEJIANG ETEK ELECTRICAL TECHNOLOGY CO.,LTD**

Address **NO.288 Wei 17th Road, Yueqing Economic Development Zone Yueqing, Wenzhou, Zhejiang Province P.R.China**

Manufacturer **ZHEJIANG ETEK ELECTRICAL TECHNOLOGY CO.,LTD**
Ue: 230V~ or 240V~(1P);400V~ or 415V~(2P/3P/4P)
Selectivity category: A
Ie:1A;2A;3A;4A;5A;6A;8A;10A;13A;16A;20A;25A;32A;40A;50A;63A
50/60Hz
Ics=Icu=6kA
Ui= 500V

Technical characteristics **Uimp=6kV**
IP20 for front cover
Pollution degree: 2
Reference temperature: 30°C
Distance for metal screen:
Back:0mm Front:0mm; Top:50mm Botton:50mm; Left:0mm
Right:0mm(values declared by client)

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

<i>Standards</i>	<i>Report number</i>	<i>Report date</i>
EN 60947-2:2017+A1:2020 EN 60947-1:2007 + A1:2011 + A2:2014	B210095	09/12/2021

The referred test report(s) show that the product complies with standard(s) recognized as giving presumption of compliance with the essential requirements in the specified European Directive

This verification does not imply assessment of the production of the product
The **CE** marking may be affixed if all relevant and effective European Directives with **CE** are applicable

Shanghai (P.R. China), January 21st, 2022.

Charlie CHEN
Product Line Manager



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Information given in this document, are related to the tested specimen of the described electrical sample.



Ref. Certif. No.

FR_712917

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

CB TEST CERTIFICATE

Product

Circuit-breaker
Miniature Circuit Breaker

Name and address of the applicant

ZHEJIANG ETEK Electrical technology CO.,LTD
NO.288 Wei17th Road, Yueqing Economic Development Zone
Yueqing, Wenzhou, Zheijang Province - China

Name and address of the manufacturer

ZHEJIANG ETEK Electrical technology CO.,LTD
NO.288 Wei17th Road, Yueqing Economic Development Zone
Yueqing, Wenzhou, Zheijang Province - China

Name and address of the factory

ZHEJIANG ETEK Electrical technology CO.,LTD
NO.288 Wei17th Road, Yueqing Economic Development Zone
Yueqing, Wenzhou, Zheijang 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)



Customer's Testing Facility (CTF) Stage used

/

Model / Type Ref.

EKM3-63
See Annex

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 60947-1:2007 +A1:2010 +A2:2014
IEC 60947-2:2016 +A1:2019

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

B210095

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



LABORATOIRE CENTRAL DES INDUSTRIES ELECTRIQUES
S.A.S au capital de 15.745.984 €
RCS Nanterre B 408 363 174
33 avenue du Général Leclerc
92260 FONTENAY AUX ROSES

Date: 20/12/2021

Signature: **Julien Gauthier**
Certification Officer

ANNEX

References, ratings and main characteristics:

	1P	2P	3P	4P
1A	011	012	013	014
2A	021	022	023	024
3A	031	032	033	034
4A	041	042	043	044
5A	051	052	053	054
6A	061	062	063	064
8A	081	082	082	084
10A	101	102	102	104
13A	131	132	132	134
16A	161	162	162	164
20A	201	202	202	204
25A	251	252	252	254
32A	321	322	322	324
40A	401	402	402	404
50A	501	502	502	504
63A	631	632	632	634



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Utilization category	A
Interruption medium	Air
Design	Moulded case
Method of controlling the operating mechanism	Dependent manual
Suitability for isolation	Suitable
Provision for maintenance	Non-maintainable
Method of installation	Fixed
Protection degree :	IP20 for front cover
Rated operational voltage U_e : (V)	230V~ or 240V~(1P);400V or 415V~(2P/3P/4P)
Rated insulation voltage U_i : (V)	500V
Rated impulse withstand voltage U_{imp} : (V)	6kV
Rated current I_e : (A)	1A;2A;3A;4A;5A;6A;8A;10A;13A;16A;20A;25A;32A;40A;50A;63A
Conventional free air thermal current I_{th} : (A)	63A
Conventional enclosed thermal current I_{the} : (A)	N/A
Rated current for four pole circuit-breakers : (A)	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 duty	Uninterrupted duty
Rated short-time making capacity I_{cm} : (A)	10,2kA
Rated ultimate short-circuit breaking capacity I_{cu} : (A)	6kA
Rated service short-circuit breaking capacity I_{cs} : (A)	6kA
Rated short-time withstand current I_{cw} : (A)	N/A
Electromagnetic compatibility	Thermo-magnetic
Instantaneous tripping current :	10In
Reference ambient calibration air temperature : (°C)	30°C
Pollution degree	2
Material group :	IIIa
safety distance (short-circuit tests) :	Back:0mm Front:0mm Up:50mm Down:50mm Left:0mm Right:0mm



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No. BVPMS_7167

Genehmigungsinhaber
Holder

Zhejiang ETEK Electrical technology CO., LTD
NO.288 Wei17th Road, Yueqing Economic Development Zone, Yueqing,
Wenzhou, Zheijang Province - CHINA

Fertigungsstätte
Manufacturing site

Zhejiang ETEK Electrical technology CO., LTD (N°26611)
NO.288 Wei17th Road, Yueqing Economic Development Zone, Yueqing,
Wenzhou, Zheijang Province - CHINA

Aktenzeichen
File No.

BVPMS_7167

Ausstellungsdatum
Date of delivery

23/02/2022

Gültig bis
Expired on

22/02/2027

Geprüft nach / Tested in conformity with

**EN 60947-1:2007 +A1:2011 +A2:2014
EN 60947-2:2017 + A1:2020**

Testbericht Nr. / Test report No

B210095

Produkt / Product

Miniature Circuit Breaker

Modell / Model

EKM3-63
Siehe Anhang / See Annex

Nominalwerte / Rated characteristics

Siehe Anhang / See Annex

Markenname / Brand name



Weitere Angaben / Additional information

Auch geprüft nach / Also tested in conformity with IEC 60947-1:2007
+A1:2010+A2:2014 and IEC 60947-2:2016 + A1:2019.

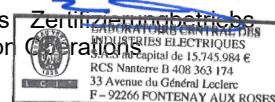
Dieser Genehmigung liegen unsere Prüf- und Zertifizierungsregeln zugrunde. *The present approval is submitted to our Testing and Certification rules.*

Zertifizierungsstelle erfüllt ISO/IEC 17065. *Certification Body complies with ISO/IEC 17065*

Fontenay-aux-Roses, 23/02/2022

Didier BOURGES

Leiter des Zertifikatsbetriebs / Manager of
Certification Operations



<https://www.lcie.fr/en/certified-product-database/>



**Anhang für Zertifikate / Annex of certificate n°
BVPMS_7167**

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Anhang für Zertifikate / Annex of certificate n° BVPMS_7167

<i>Utilization category</i>	A
<i>Interruption medium</i>	Air
<i>Design</i>	Moulded case
<i>Method of controlling the operating mechanism</i>	Dependent manual
<i>Suitability for isolation</i>	Suitable
<i>Provision for maintenance</i>	Non-maintainable
<i>Method of installation</i>	Fixed
<i>Protection degree :</i>	IP20 for front cover
<i>Rated operational voltage U_e : (V)</i>	230V~ or 240V~(1P);400V or 415V~(2P/3P/4P)
<i>Rated insulation voltage U_i : (V)</i>	500V
<i>Rated impulse withstand voltage U_{imp} : (V)</i>	6kV
<i>Rated current I_e : (A)</i>	1A;2A;3A;4A;5A;6A;8A;10A;13A;16A;20A;25A;32A;40A;50A;63A
<i>Conventional free air thermal current I_{th} : (A)</i>	63A
<i>Conventional enclosed thermal current I_{the} : (A)</i>	N/A
<i>Rated current for four pole circuit-breakers : (A)</i>	63A
<i>Rated frequency : (Hz)</i>	50/60Hz
<i>Nature of supply :</i>	~
<i>Total number of poles :</i>	1P;2P;3P;4P
<i>Number of protected poles :</i>	1P;2P;3P;4P
<i>Rated duty</i>	Uninterrupted duty
<i>Rated short-time making capacity I_{cm} : (A)</i>	10,2kA
<i>Rated ultimate short-circuit breaking capacity I_{cu} : (A)</i>	6kA
<i>Rated service short-circuit breaking capacity I_{cs} : (A)</i>	6kA
<i>Rated short-time withstand current I_{cw} : (A)</i>	N/A
<i>Electromagnetic compatibility</i>	Thermo-magnetic
<i>Instantaneous tripping current :</i>	10I _n
<i>Reference ambient calibration air temperature : (°C)</i>	30°C
<i>Pollution degree</i>	2
<i>Material group :</i>	IIIa
<i>safety distance (short-circuit tests) :</i>	Back:0mm Front:0mm Up:50mm Down:50mm Left:0mm Right:0mm

