



Ref. Certif. No.

HU-003634

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

CB TEST CERTIFICATE

Product	RCCBs
Name and address of the applicant	Zhejiang ETEK Electrical Technology Co.,Ltd. NO.288 Wei 17th Road, Yueqing Economic Development Zone,, Yueqing, Wenzhou, Zhejiang, P.R. China
Name and address of the manufacturer	Zhejiang ETEK Electrical Technology Co.,Ltd. NO.288 Wei 17th Road, Yueqing Economic Development Zone,, Yueqing, Wenzhou, Zhejiang, P.R. China
Name and address of the factory	Zhejiang ETEK Electrical Technology Co.,Ltd. NO.288 Wei 17th Road, Yueqing Economic Development Zone,, Yueqing, Wenzhou, Zhejiang, P.R. China
Ratings and principal characteristics	Un=240V~ (2P, 1P+N); 415V~(4P, 3P+N); 50/60Hz In=16/25/32/40/63A; Type AC or A; IΔn=30/100/300mA, 10mA(for 2P/1P+N, In=16A, 25A); IΔc=Inc=6,0kA(EKL1-63); IΔc=Inc=10,0kA (EKL1-63H); IΔc=Inc=4,5kA(EKL1-63S)
Trademark (if any)	ETEK
Customer's Testing Facility (CTF) Stage used	N/A
Model / Type Ref.	EKL1-63 , EKL1-63H , EKL1-63S
Additional information (if necessary may also be reported on page 2)	Detailed information refer to test report CN21475P 001.
A sample of the product was tested and found to be in conformity with	IEC 61008-1:2010+A1+A2 IEC 61008-2-1:1990 See Test Report for National Differences
As shown in the Test Report Ref. No. which forms part of this Certificate	CN21475P 001

This CB Test Certificate is issued by the National Certification Body



TÜV Rheinland InterCert Kft., MEEI Division
H-1143 Budapest, Gizella út 51-57., Hungary
Web:www.tuv.com

Date: 2021-10-25

Signature: Wencai Zhang

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50520792

Blatt *Sheet*
0001

Ihr Zeichen *Client Reference*
Q.J.B

Unser Zeichen *Our Reference*
01-DY-50132735 003

Ausstellungsdatum *Date of Issue*
25.10.2021
(day/mo/yr)

Genehmigungsinhaber *License Holder*

Zhejiang ETEK Electrical Technology Co., Ltd.
NO.288 Wei 17th Road,
Yueqing Economic Development Zone,
Yueqing, Wenzhou
Zhejiang
P.R. China

Fertigungsstätte *Manufacturing Plant*

Zhejiang ETEK Electrical Technology Co., Ltd.
NO.288 Wei 17th Road,
Yueqing Economic Development Zone,
Yueqing, Wenzhou
Zhejiang
P.R. China

Prüfzeichen *Test Mark*



Type Approved
Safety
Regular Production
Surveillance

www.tuv.com
ID 1111245833

Geprüft nach *Tested acc. to*

EN 61008-1:2012+A1+A2+A11+A12
EN 61008-2-1:1994+A11

**Zertifiziertes Produkt (Geräteidentifikation)
*Certified Product (Product Identification)***

**Lizenzentgelte - Einheit
*License Fee - Unit***

Residual Current Operated circuit-breakers (RCCBs)

Type Designation	: 1) EKL1-63S 2) EKL1-63 3) EKL1-63H	8
Number of Poles	: 2P, 1P+N 4P, 3P+N	
Rated Operational Voltage (Ue)	: 240V 415V	
Nature of Supply	: AC 50/60Hz	
Rated Current (In)	: 16/25/32/40/63A	
Behavior in Presence of d.c.		
Components	: Type A or Type AC	
Time-delay	: General type	
Rated Residual Operating Current:	30/100/300mA, 10mA (2P,1P+N; 16/25A)	
Rated Making and Breaking Capacity		
Capacity	: 500A or 10In	
Rated Residual Making and Breaking Capacity	: 500A or 10In	

Continued on page 0002

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ANLAGE (Appendix): 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

http://www.tuv.com/safety E-mail: markcheck@tuv.com
Fax: +49 221 806-3935

Zertifizierungsstelle



Wencai Zhang

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50520792

Blatt *Sheet*
0002

Ihr Zeichen *Client Reference*
Q.J.B

Unser Zeichen *Our Reference*
01-DY-50132735 003

Ausstellungsdatum *Date of Issue*
25.10.2021
(day/mo/yr)

Genehmigungsinhaber *License Holder*

Zhejiang ETEK Electrical Technology Co., Ltd.
NO.288 Wei 17th Road,
Yueqing Economic Development Zone,
Yueqing, Wenzhou
Zhejiang
P.R. China

Fertigungsstätte *Manufacturing Plant*

Zhejiang ETEK Electrical Technology Co., Ltd.
NO.288 Wei 17th Road,
Yueqing Economic Development Zone,
Yueqing, Wenzhou
Zhejiang
P.R. China

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*

EN 61008-1:2012+A1+A2+A11+A12
EN 61008-2-1:1994+A11

**Zertifiziertes Produkt (Geräteidentifikation)
*Certified Product (Product Identification)***

**Lizenzentgelte - Einheit
*License Fee - Unit***

Residual Current Operated circuit-breakers (RCCBs)

Continuation from page 0001

Rated Conditional Short-circuit Current: 1) 4,5kA
2) 6,0kA
3) 10,0kA

Rated Conditional Residual Short-circuit Current : 1) 4,5kA
2) 6,0kA
3) 10,0kA

Pollution Degree : 2
Suitability for Isolation : Yes
Range of Ambient Air Temperature : -25°C - 40°C

ANLAGE (Appendix) : 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

http://www.tuv.com/safety E-mail: markcheck@tuv.com
Fax: +49 221 806-3935

Zertifizierungsstelle



Wencai Zhang

Zhejiang ETEK Electrical Technology
Co., Ltd.
Qi Jibin

Date : 25.10.2021
Our ref. : DY 01
Your ref.: Q.J.B

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

Ref : R TÜV-Mark Approval

Type of Equipment : RCCBs
Model Designation : See Certificate
Certificate No. : R 50520792 0001
Report No. : 50132735 003

Dear Qi Jibin,

The above specified equipment has been tested and found to be in accordance with the relevant requirements.

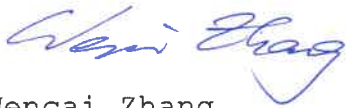
Please find enclosed your certificate as specified above.

If cancellation of the certificate is submitted by 15 November in a given year, no fee will be charged for the following year.

The certificate is issued with the reservation that the license holder applies all information required in § 6 of the ProdSG related to name and address of the manufacturer or his authorized representative / importer, including their respective contact addresses on the product prior to marketing of the product in the European Economic Area.

With kind regards,

Certification Body



Wencai Zhang

cc: Zhejiang ETEK Electrical Technology

Enclosure

证书的详细资料请登陆www.tuvdotcom.com查阅,或拨打我司客服热线800 999 3668 / 400 883 1300咨询

CERTIFICATE



of Conformity Low Voltage Directive 2014/35/EU

Registration No.: AN 50520793 0001

Report No.: 50132735 003

Holder: Zhejiang ETEK Electrical Technology
Co.,Ltd.
NO.288 Wei 17th Road,
Yueqing Economic Development Zone,
Yueqing, Wenzhou
Zhejiang
P.R. China

Product: Residual Current Operated circuit-breakers
(RCCBs)

Identification: Type Designation: EKL1-63S , EKL1-63 , EKL1-63H
(ETEK)

Serial No. : Engineering sample

Remark: Issued in conjunction with TÜV Rheinland license
R 50520792 0001 to 0002.

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with Annex I of Council Directive 2014/35/EU, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex IV of the Directive.

Certification Body

Date 25.10.2021



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CE The CE marking may be used if all relevant and effective EC Directives are complied with.



Zhejiang ETEK Electrical Technology
Co.,Ltd.
Qi Jibin

Date : 25.10.2021
Our ref. : DY 01
Your ref.: Q.J.B

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

Ref : AN Certificate of Conf. Low Voltage D.

Type of Equipment : RCCBs
Model Designation : See Certificate
Certificate No. : AN 50520793 0001
Report No. : 50132735 003

Dear Qi Jibin,

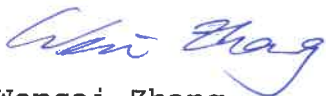
We herewith confirm that a sample of the above mentioned technical equipment has been tested and was found to be in accordance with the relevant requirements.

Enclosed please find your Certificate of Conformity.

We appreciate your kind support and would like to offer our assistance and continuous services in the future.

With kind regards,

Certification Body



Wencai Zhang

CC: Zhejiang ETEK Electrical Technology

Enclosure

证书的详细资料请登陆www.tuvdotcom.com查阅,或拨打我司客服热线800 999 3668 / 400 883 1300咨询

Certificate No. R 50520792 0001-0002 **Our Reference** 01-DY- 50132735 003 **Appendix No.** 1

Constructional Data Form for RCCBs EN 61008

Page 1 of 3

Applicant: Zhejiang ETEK Electrical technology CO.,Ltd.
 (full address): NO.288 Wei17th Road, Yueqing Economic Development Zone Yueqing, Wenzhou, Zhejiang Province, P.R.China
 Factory: Zhejiang ETEK Electrical technology CO.,Ltd.
 (full address): NO.288 Wei17th Road, Yueqing Economic Development Zone Yueqing, Wenzhou, Zhejiang Province, P.R.China
 Type or Model Number: EKL1-63S, EKL1-63, EKL1-63H
 Kind of device: Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)

Information/rated values for the switching element:

Type Reference	EKL1-63S, EKL1-63, EKL1-63H	
Contact material	Fixed: Agc4, Moving: Agcdo15	
Number of poles	2P, 1P+N	4P, 3P+N
Rated operational voltage Ue	240V	415V
Nature of supply	AC	
Frequency	50/60Hz	
Rated current In	16, 25, 32, 40, 63 A	
Rated residual operating current IΔn	30, 100, 300 mA 10 mA (2P, 1P+N; 16/25A)	
Rated residual non-operating current IΔno	0,5 IΔn	
Rated making and breaking capacity Im	500A or 10In	
Rated residual making and breaking capacity IΔm	500A or 10In	
Rated insulation voltage	415 V	
Rated impulse withstand voltage	4,0 kV	
Method of operation	Functionally independent of line voltage	
Functionally dependent of line voltage	-	
Type of installation	Fixed installation and fixed wiring	
Resistance to unwanted tripping due to volt. surge	Normal resistance (General type)	
Behaviour in presence of d.c. components	Type AC or Type A	
Time-delay	General type	
Degree of protection	IP00	
Rated conditional short-circuit current Inc	4,5 kA for EKL1-63S 6,0 kA for EKL1-63 10,0 kA for EKL1-63H	

TÜV Rheinland Group

License holder

2021.10.12



Date

Signature

Name

Company Stamp and Signature

Certificate No. R 50520792 0001-0002 **Our Reference** 01-DY- 50132735 003 **Appendix No.** 1

Constructional Data Form for RCCBs EN 61008

Page 2 of 3

Rated conditional residual short-circuit current $I_{\Delta c}$	4,5 kA for EKL1-63S 6,0 kA for EKL1-63 10,0 kA for EKL1-63H
Protection against external influence	Enclosed type
Method of mounting	Surface-type (on rail)
I _{2t} characteristic (energy limit class)	N/A
Range of ambient air temperature	-25...40 °C
Method of connection	Not associated with mechanical mounting
Overvoltage category	II
Suitability of isolation	Yes
Pollution degree	2

Terminals /connection:

Type Reference	EKL1-63S,EKL1-63, EKL1-63H	
Number of poles	2P	4P
Terminal designation	1; N, 2; N	1; 3; 5; N; 2; 4; 6; N
Type of Terminal/% copper	Pillar terminal /	%
Material/plating of the terminals	Zn plated steel	
Material/plating of the screw	Zn plated steel	
Material/plating of the washer	Zn plated steel	
Tightening torque (Nm)•	2,0Nm (over 4,7mm up to and including 5,3mm)	
Type of conductor	Rigid or flexible	
Required preparation of conductor	Yes	
Rigid Conductor size (mm ²)	Min. 1,0 to Max. 25 mm ²	
Flexible Conductor size (mm ²)	Min. 1,0 to Max. 16 mm ²	
Number of conductors per terminal	1	

Plastic insulating parts:

Part name	Manufacturer	Material name (particle)	CTI	Flame class	Material Group
Base	Yueqing shi dejia Electrical CO.,Ltd.	PA66	175	GWT: 960°C	IIIa
Cover	Yueqing shi dejia Electrical CO.,Ltd.	PA66	175	GWT: 960°C	IIIa
Handle	Yueqing shi dejia Electrical CO.,Ltd.	PA66	175	GWT: 650°C	IIIa

TÜV Rheinland Group
License holder

Date

Signature

Name

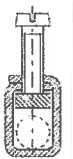
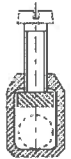
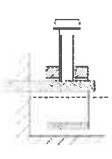
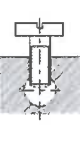

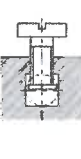

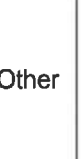
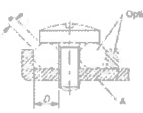
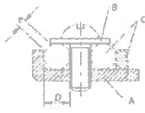
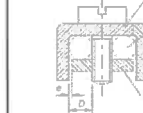
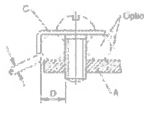


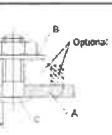


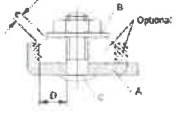
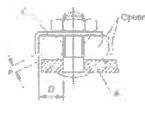







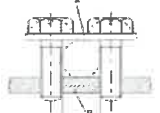
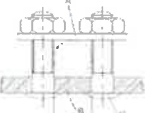
















Company Stamp and Signature

2021.10.12



Constructional Data Form for RCCBs EN 61008

Terminal Figure

Pillar terminal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other
									
Screw terminal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
									
Stud terminal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
									
Saddle terminal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
									
Lug terminal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
									

TÜV Rheinland Group

License holder

2021. 10.12

Date

Signature

Name

Company Stamp and Signature