



Ref. Certif. No.

SE-113418

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

CB TEST CERTIFICATE

Product

Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs)

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, P.R.China

Name and address of the manufacturer

Same as applicant

Name and address of the factory

Additional Information on page 2

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

Ratings and principal characteristics

See page 2

Trademark / Brand (if any)



Customer's Testing Facility (CTF) Stage used

-

Model / Type Ref.

EKL17-40AFD

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 61009-1:2010+A1+A2
IEC 61009-2-2:1991
IEC 62606:2013 + A1

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

2310A0597SHA-001, -002

This CB Test Certificate is issued by the National Certification Body

Intertek Semko AB
Torshamnsgatan 43
Box 1103
SE-164 22 Kista, Sweden

Date: 23 February, 2024

intertek

Signature:

Anneli Averland Johansson



Ref. Certif. No.

SE-113418

Factories

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

ETEK Electrical Wuhu Co., Ltd.
No.770 Wutun Fast Road, Anhui Xinwu Economic Development Zone, Wanzhi District, Wuhu City,
Anhui Province, P.R.China

Rating and principal characteristics

$U_n = 230$ or $240V \sim (1P+N)$; 50/60Hz; Unprotected switched neutral pole;
 $I_n = 6, 8, 10, 13, 16, 20, 25, 32, 40A$; B- & C- Type;
 $I_{\Delta n} = 10, 30, 100, 300mA$; Type-A & -AC; $-25 \sim 55^\circ C$, Ref Temp: $45^\circ C$
 $I_{cn} = I_{cs} = 6000A$, $I_{\Delta m} = 3000A$;
Energy Limiting class 3;


Date: 23 February, 2024

Signature:

Test Verification of Conformity

Verification Number: 2310A0597SHA-V1

On the basis of the referenced test report(s), sample(s) tested of the below product have been found to comply with the standards harmonized with the directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product. This verification is part of the full test report(s) and should be read in conjunction with it <them>.

Once compliance with all product relevant  mark directives are verified, including any relevant e.g. risk assessment and production control, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to products identical to the tested sample(s).

Applicant Name & Address:	ZHEJIANG ETEK Electrical technology CO.,LTD NO.288 Wei17th Road, Yueqing Economic Development zone, Yueqing, Wenzhou, Zhejiang Province, P.R.China
Product Description:	Arc Fault Detection Devices (AFDDs) plus Residual Current Operated Circuit Breaker with Integrated Over-Current Protection
Ratings & Principle Characteristics:	Un= 230 or 240V~(1P+N); 50/60Hz; Unprotected switched neutral pole; In= 6, 8, 10, 13, 16, 20, 25, 32, 40A; B- & C- Type; IΔn= 10, 30, 100, 300mA; Type-A & -AC; -25~55°C, Ref Temp: 45°C Icn=Ics= 6000A, IΔm=3000A; Energy Limiting class 3;
Models/Type References:	EKL17-40AFD
Brand Name(s):	
Standard(s)/Directive(s):	EN 62606:2013+A1:2017 EN 61009-1:2012+A1:2014+A2:2014+A11:2015+A12: 2016+A13: 2021 Directive 2014/35/EU
Verification Issuing Office Name & Address:	Intertek Testing Services Shanghai Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China
Date of Tests:	2023-10-16 to 2024-01-10
Test Report Number(s):	2310A0597SHA-001, -002



Signature

Name: Oliver Wei

Position: Manager

Date: 11 March 2024

This Verification is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to permit copying or distribution of this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test/inspection results referenced in this Verification are relevant only to the sample tested/inspected. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 2310A0597SHA-V1

Manufacture Site:

1. ZHEJIANG ETEK Electrical technology CO.,LTD
NO.288 Wei17th Road, Yueqing Economic Development zone, Yueqing,
Wenzhou, Zhejiang Province, P.R.China
2. ETEK Electrical Wuhu Co.,Ltd.
No.770 Wutun Fast Road,Anhui Xinwu Economic Development Zone,Wanzhi
District, Wuhu City,Anhui Province,P.R.China



Signature

Name: Oliver Wei

Position: Manager


Date: 11 March 2024


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Test Verification of Conformity

Verification Number: 2310A0597SHA-V2

On the basis of the referenced test report(s), sample(s) tested of the below product have been found to comply with the standards harmonized with the regulation(s) listed on this verification at the time the tests were carried out. Other standards and Regulations may be relevant to the product. This verification is part of the full test report(s) and should be read in conjunction with it <them>.

Once compliance with all product relevant  mark regulations are verified, including any relevant e.g. risk assessment and production control, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to products identical to the tested sample(s).

Applicant Name & Address:	ZHEJIANG ETEK Electrical technology CO.,LTD NO.288 Wei17th Road, Yueqing Economic Development zone, Yueqing, Wenzhou, Zhejiang Province, P.R.China
Product Description:	Arc Fault Detection Devices (AFDDs) plus Residual Current Operated Circuit Breaker with Integrated Over-Current Protection
Ratings & Principle Characteristics:	Un= 230 or 240V~(1P+N); 50/60Hz; Unprotected switched neutral pole; In= 6, 8, 10, 13, 16, 20, 25, 32, 40A; B- & C- Type; IΔn= 10, 30, 100, 300mA; Type-A & -AC; -25~55°C, Ref Temp: 45°C Icn=Ics= 6000A, IΔm=3000A; Energy Limiting class 3;
Models/Type References:	EKL17-40AFD
Brand Name:	
Relevant Standards/Regulations:	BS EN 62606:2013+A1:2017 BS EN 61009-1:2012+A1:2014+A2:2014+A11:2015+A12: 2016+A13: 2021 Electrical Equipment (Safety) Regulations 2016
Verification Issuing Office Name & Address:	Intertek Testing Services Shanghai Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China
Date of Tests:	2023-10-16 to 2024-01-10
Test Report Number(s):	2310A0597SHA-001, -002



Signature

Name: Oliver Wei

Position: Manager

Date: 11 March 2024

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 2310A0597SHA-V2

Manufacture Site:

1. ZHEJIANG ETEK Electrical technology CO.,LTD
NO.288 Wei17th Road, Yueqing Economic Development zone, Yueqing,
Wenzhou, Zhejiang Province, P.R.China
2. ETEK Electrical Wuhu Co.,Ltd.
No.770 Wutun Fast Road,Anhui Xinwu Economic Development Zone,Wanzhi
District, Wuhu City,Anhui Province,P.R.China



Signature

Name: Oliver Wei

Position: Manager

Date: 11 March 2024

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Intertek **CERTIFICATE**
FOR EUROPEAN PRODUCT SAFETY

Reference No. SE-S-2400194

Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBO's)

Type designation: EKL17-40AFD

Certificate holder: Zhejiang ETEK Electrical Technology Co., Ltd.
No. 288 Wei 17th Road, Yueqing Economic Development Zone
Yueqing, Wenzhou, Zhejiang Province, P.R.China

**The product complies with
the standard(s):** EN 61009-1:2012+A1+A2+A11+A12+A13
EN 62606:2013 +A1

Date of expiry: 23 February, 2029

EU Directive information: According to the principle of presumption of conformity, this certificate constitutes support for an EU Declaration of Conformity to the Low Voltage Directive 2014/35/EU.

Additional information in Appendix

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


Signed:  **Date:** 23 February, 2024

Anneli Averland Johansson

APPENDIX:

Reference No. SE-S-2400194

Technical Data:

Type designation EKL17-40AFD
Rated voltage (V) 230V~ or 240V~
Frequency (Hz) 50/60
IP-Class 20
Trademark 
Test Report 2310A0597SHA-001, -002
Product information Unprotected switched neutral pole;
In= 6, 8, 10, 13, 16, 20, 25, 32, 40A; B- & C- Type;
IΔn= 10, 30, 100, 300mA; Type-A & -AC; -25~55°C, Ref Temp: 45°C
Icn=Ics= 6000A, IΔm=3000A;
Energy Limiting class 3;

Manufacturing Sites:

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

ETEK Electrical Wuhu Co., Ltd.
No.770 Wutun Fast Road, Anhui Xinwu Economic Development Zone, Wanzhi
District, Wuhu City, Anhui Province, P.R.China

According to the principle of presumption of conformity, this certificate, which includes production control, constitutes support for an EU Declaration of Conformity to the Low Voltage Directive 2014/35/EU. This presumption can expire before end of validity of this certificate due to new issued Standard or Amendment and changes within the EU legislation.

Certification Body:

Intertek Semko AB, Product Certification

Place: Kista - Stockholm

Signed:



Anneli Averland Johansson

Date: 23 February, 2024