



ATTESTATION of conformity with European Directives

Product: **RCCB**
Reference **EKL1-80 and EKL11-63**
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 CHANGAN ELECTRICAL ENGINEERING CO.,LTD.**
1P+N and 3P+N(neutral on right)
230/240V~(1P+N);400/415V~(3P+N); 50/60Hz
In=25A; 40A; 63A (EKL11-63); 25A; 40A; 63A; 80A (EKL1-80)
Inc=IΔc=6000A
Im=IΔm=500A for In:25A;40A ; 10In for In:63A;80A
IΔn=30mA; 100mA; 300mA
Grid distance = 50mm; Ui= 415V; Uimp=4kV
Material group=IIIa; Screw diameter=5,9mm

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 61008-1:2012+A1:2014+A2:2014+A11:2015 +A12:2017 EN 61008-2-1:1994+A11:1998	B230093	07/09/2023

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), Oct 27th, 2023.

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_717738

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

CB TEST CERTIFICATE

Product

Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's)
RCCB

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)



Customer's Testing Facility (CTF) Stage used

/

Model / Type Ref.

EKL1-80 and EKL11-63

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 61008-1:2010 +A1:2012 +A2:2013
IEC 61008-2-1:1990

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

B230093

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
F - 92266 FONTENAY AUX ROSES

Signature:
Julien GAUTHIER
Certification Officer

Date: 17/10/2023

ANNEX

References, ratings and main characteristics:

EKL1-80		30mA	
Rated Current	Type of RCCB	1P+N	3P+N
25A	A	EKL1-80 1P+N 25A 30mA A Type	EKL1-80 3P+N 25A 30mA A Type
40A	A	EKL1-80 1P+N 40A 30mA A Type	EKL1-80 3P+N 40A 30mA A Type
63A	A	EKL1-80 1P+N 63A 30mA A Type	EKL1-80 3P+N 63A 30mA A Type
80A	A	EKL1-80 1P+N 80A 30mA A Type	EKL1-80 3P+N 80A 30mA A Type
25A	AC	EKL1-80 1P+N 25A 30mA AC Type	EKL1-80 3P+N 25A 30mA AC Type
40A	AC	EKL1-80 1P+N 40A 30mA AC Type	EKL1-80 3P+N 40A 30mA AC Type
63A	AC	EKL1-80 1P+N 63A 30mA AC Type	EKL1-80 3P+N 63A 30mA AC Type
80A	AC	EKL1-80 1P+N 80A 30mA AC Type	EKL1-80 3P+N 80A 30mA AC Type

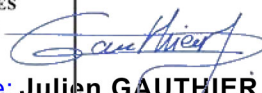
EKL1-80		100mA	
Rated Current	Type of RCCB	1P+N	3P+N
25A	A	EKL1-80 1P+N 25A 100mA A Type	EKL1-80 3P+N 25A 100mA A Type
40A	A	EKL1-80 1P+N 40A 100mA A Type	EKL1-80 3P+N 40A 100mA A Type
63A	A	EKL1-80 1P+N 63A 100mA A Type	EKL1-80 3P+N 63A 100mA A Type
80A	A	EKL1-80 1P+N 80A 100mA A Type	EKL1-80 3P+N 80A 100mA A Type
25A	AC	EKL1-80 1P+N 25A 100mA AC Type	EKL1-80 3P+N 25A 100mA AC Type
40A	AC	EKL1-80 1P+N 40A 100mA AC Type	EKL1-80 3P+N 40A 100mA AC Type
63A	AC	EKL1-80 1P+N 63A 100mA AC Type	EKL1-80 3P+N 63A 100mA AC Type
80A	AC	EKL1-80 1P+N 80A 100mA AC Type	EKL1-80 3P+N 80A 100mA AC Type



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EKL1-80		300mA	
Rated Current	Type of RCCB	1P+N	3P+N
25A	A	EKL1-80 1P+N 25A 300mA A Type	EKL1-80 3P+N 25A 300mA A Type
40A	A	EKL1-80 1P+N 40A 300mA A Type	EKL1-80 3P+N 40A 300mA A Type
63A	A	EKL1-80 1P+N 63A 300mA A Type	EKL1-80 3P+N 63A 300mA A Type
80A	A	EKL1-80 1P+N 80A 300mA A Type	EKL1-80 3P+N 80A 300mA A Type
25A	AC	EKL1-80 1P+N 25A 300mA AC Type	EKL1-80 3P+N 25A 300mA AC Type
40A	AC	EKL1-80 1P+N 40A 300mA AC Type	EKL1-80 3P+N 40A 300mA AC Type
63A	AC	EKL1-80 1P+N 63A 300mA AC Type	EKL1-80 3P+N 63A 300mA AC Type
80A	AC	EKL1-80 1P+N 80A 300mA AC Type	EKL1-80 3P+N 80A 300mA AC Type

EKL11-63		30mA	
Rated Current	Type of RCCB	1P+N	3P+N
25A	A	EKL11-63 1P+N 25A 30mA A Type	EKL11-63 3P+N 25A 30mA A Type
40A	A	EKL11-63 1P+N 40A 30mA A Type	EKL11-63 3P+N 40A 30mA A Type
63A	A	EKL11-63 1P+N 63A 30mA A Type	EKL11-63 3P+N 63A 30mA A Type
25A	AC	EKL11-63 1P+N 25A 30mA AC Type	EKL11-63 3P+N 25A 30mA AC Type
40A	AC	EKL11-63 1P+N 40A 30mA AC Type	EKL11-63 3P+N 40A 30mA AC Type
63A	AC	EKL11-63 1P+N 63A 30mA AC Type	EKL11-63 3P+N 63A 30mA AC Type

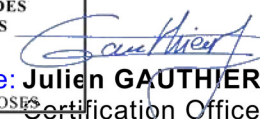
EKL11-63		100mA	
Rated Current	Type of RCCB	1P+N	3P+N
25A	A	EKL11-63 1P+N 25A 100mA A Type	EKL11-63 3P+N 25A 100mA A Type
40A	A	EKL11-63 1P+N 40A 100mA A Type	EKL11-63 3P+N 40A 100mA A Type
63A	A	EKL11-63 1P+N 63A 100mA A Type	EKL11-63 3P+N 63A 100mA A Type
25A	AC	EKL11-63 1P+N 25A 100mA AC Type	EKL11-63 3P+N 25A 100mA AC Type
40A	AC	EKL11-63 1P+N 40A 100mA AC Type	EKL11-63 3P+N 40A 100mA AC Type
63A	AC	EKL11-63 1P+N 63A 100mA AC Type	EKL11-63 3P+N 63A 100mA AC Type



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EKL11-63		300mA	
Rated Current	Type of RCCB	1P+N	3P+N
25A	A	EKL11-63 1P+N 25A 300mA A Type	EKL11-63 3P+N 25A 300mA A Type
40A	A	EKL11-63 1P+N 40A 300mA A Type	EKL11-63 3P+N 40A 300mA A Type
63A	A	EKL11-63 1P+N 63A 300mA A Type	EKL11-63 3P+N 63A 300mA A Type
25A	AC	EKL11-63 1P+N 25A 300mA AC Type	EKL11-63 3P+N 25A 300mA AC Type
40A	AC	EKL11-63 1P+N 40A 300mA AC Type	EKL11-63 3P+N 40A 300mA AC Type
63A	AC	EKL11-63 1P+N 63A 300mA AC Type	EKL11-63 3P+N 63A 300mA AC Type

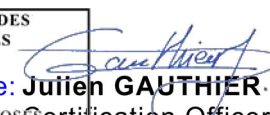
Indépendant de la tension d'alimentation / Independent of line voltage :	YES
Dépendant de la tension d'alimentation / Dependent of line voltage :	N/A
Tension assignée / Rated voltage U_e : (V)	230/240V(1P+N);400/415V(3P+N)
Courant assigné / Rated current I_n : (A)	25A; 40A; 63A (EKL11-63); 25A; 40A; 63A; 80A (EKL1-80)
Fréquence assignée / Rated frequency : (Hz)	50/60Hz
Courant différentiel de fonctionnement assigné / Rated residual operating current $I_{\Delta n}$: (A)	30mA, 100mA, 300mA
Type :	A and AC
Temporisation :	Without time-delay
Nature du courant / Nature of supply :	~
Nombre total de pôles / Total number of poles :	1P+N ;3P+N
Tension d'isolement assignée / Rated insulation voltage U_i : (V)	415
Tension assignée de tenue aux chocs / Rated impulse withstand voltage U_{imp} : (V)	4000
Température d'utilisation / Utilisation range temperature : (°C)	-25~+40
Pouvoir de fermeture et de coupure assigné / Rated making and breaking capacity I_m : (A)	500A for I_n :25A;40A ; 10In for I_n :63A;80A
Pouvoir de fermeture et de coupure différentiel assigné / Rated residual making and breaking capacity $I_{\Delta m}$: (A)	500A for I_n :25A;40A ; 10In for I_n :63A;80A
Courant conditionnel de court-circuit assigné / Rated conditional short-circuit current I_{nc} : (A)	6000A
Courant différentiel conditionnel de court-circuit assigné / Rated conditional residual short-circuit current $I_{\Delta c}$: (A)	6000A
Dispositif de protection contre les courts-circuits / Short-circuit protection devices :	SCPDs used : silver wire
Distance de grille (essais de court-circuit) / Grid distance (short-circuit tests) :	50mm
Type de protection contre les influences externes / Protection against external influences :	Closed
Degré de protection / Protection degree :	IP20
Groupe de matériau / Material group :	Group IIIa
Méthode de montage / Method of mounting :	on rail
Mode de connexions électriques / Method of electrical connection :	
non associé au dispositif de fixation mécanique / not associated with the mechanical-mounting	YES
associé au dispositif de fixation mécanique / associated with the mechanical-mounting	N/A
Type de bornes / Type of terminals :	Pillar terminal
Diamètre des vis des bornes / Nominal diameter of thread : (mm)	5.9mm
Mode de commande / Operating means :	Lever



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