

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50403458

Blatt *Sheet*
0001

Ihr Zeichen *Client Reference*
Q.J.B

Unser Zeichen *Our Reference*
01-DY-50132735 001

Ausstellungsdatum *Date of Issue*
03.05.2018
(day/mo/yr)

Genehmigungsinhaber *License Holder*

ZHEJIANG ETEK Electrical
technology Co.,Ltd
NO.288 Wei17th Road,
Yueqing Economic Development Zone Yu
Wenzhou, Zheijang Province
P. R. China

Fertigungsstätte *Manufacturing Plant*

ZHEJIANG ETEK Electrical
technology Co.,Ltd
NO.288 Wei17th Road,
Yueqing Economic Development Zone Yueqi
Wenzhou, Zheijang Province
P. R. China

Prüfzeichen *Test Mark*



Type Approved
Safety
Regular Production
Surveillance

www.tuv.com
ID 1419056548

Geprüft nach *Tested acc. to*

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

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

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

Earth Leakage Circuit Breaker (RCCBs)

Type Designation	: 1) EKL1-63 2) EKL1-63H (ETEK)	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	
Rated Making and Breaking 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

Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com
Fax: +49 221 806-3935 http://www.tuv.com/safety



Zertifikat

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Zertifikat Nr. *Certificate No.*
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Blatt *Sheet*
0002

Ihr Zeichen *Client Reference*
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01-DY-50132735 001

Ausstellungsdatum *Date of Issue*
03.05.2018
(day/mo/yr)

Genehmigungsinhaber *License Holder*

ZHEJIANG ETEK Electrical
technology Co.,Ltd
NO.288 Wei17th Road,
Yueqing Economic Development Zone Yu
Wenzhou, Zheijang Province
P. R. China

Fertigungsstätte *Manufacturing Plant*

ZHEJIANG ETEK Electrical
technology Co.,Ltd
NO.288 Wei17th Road,
Yueqing Economic Development Zone Yueqi
Wenzhou, Zheijang Province
P. R. China

Prüfzeichen *Test Mark*



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

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

Earth Leakage Circuit Breaker (RCCBs)

Continuation from page 0001

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

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

Pollution Degree : 2

Suitability for Isolation : Yes

Range of Ambient Air Temperature : -25°C - 40°C

ANLAGE (Appendix): 1

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TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com
Fax: +49 221 806-3935 http://www.tuv.com/safety



ZHEJIANG ETEK Electrical technology
Co.,Ltd
Qi Jibin
-

Date : 03.05.2018
Our ref. : DY 01
Your ref.: Q.J.B

NO.288 Weil7th Road,
Yueqing Economic Development Zone
Yueqing,
Wenzhou,Zhejiang Province
P. R. China

Ref : R TÜV-Mark Approval

Type of Equipment : RCCBs
Model Designation : See Certificate
Certificate No. : R 50403458 0001
Report No. : 50132735 001

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


Jie Zhang

cc: ZHEJIANG ETEK Electrical

Enclosure

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

C E R T I F I C A T E



of Conformity Low Voltage Directive 2014/35/EU

Registration No.: AN 50403459 0001

Report No.: 50132735 001

Holder: ZHEJIANG ETEK Electrical
technology Co.,Ltd
NO.288 Wei17th Road,
Yueqing Economic Development Zone Yueqing,
Wenzhou,Zhejiang Province
P. R. China

Product: Earth Leakage Circuit Breaker
(RCCBs)

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

Remark: Issued in conjunction with TÜV Rheinland license
R 50403458 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.

Date 03.05.2018

Certification Body



Jie Zhang

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. **CE**

ZHEJIANG ETEK Electrical technology
Co., Ltd
Qi Jibin

Date : 03.05.2018
Our ref. : DY 01
Your ref.: Q.J.B

NO.288 Wei17th Road,
Yueqing Economic Development Zone
Yueqing,
Wenzhou, Zheijang Province
P. R. China

Ref : AN Certificate of Conf. Low Voltage D.

Type of Equipment : RCCBs
Model Designation : See Certificate
Certificate No. : AN 50403459 0001
Report No. : 50132735 001

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

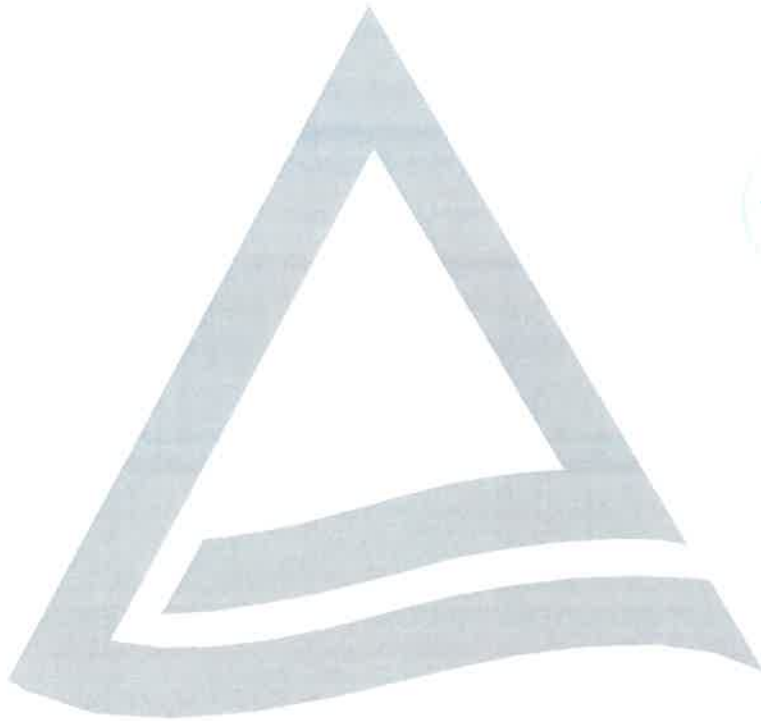

Jie Zhang

CC: ZHEJIANG ETEK Electrical

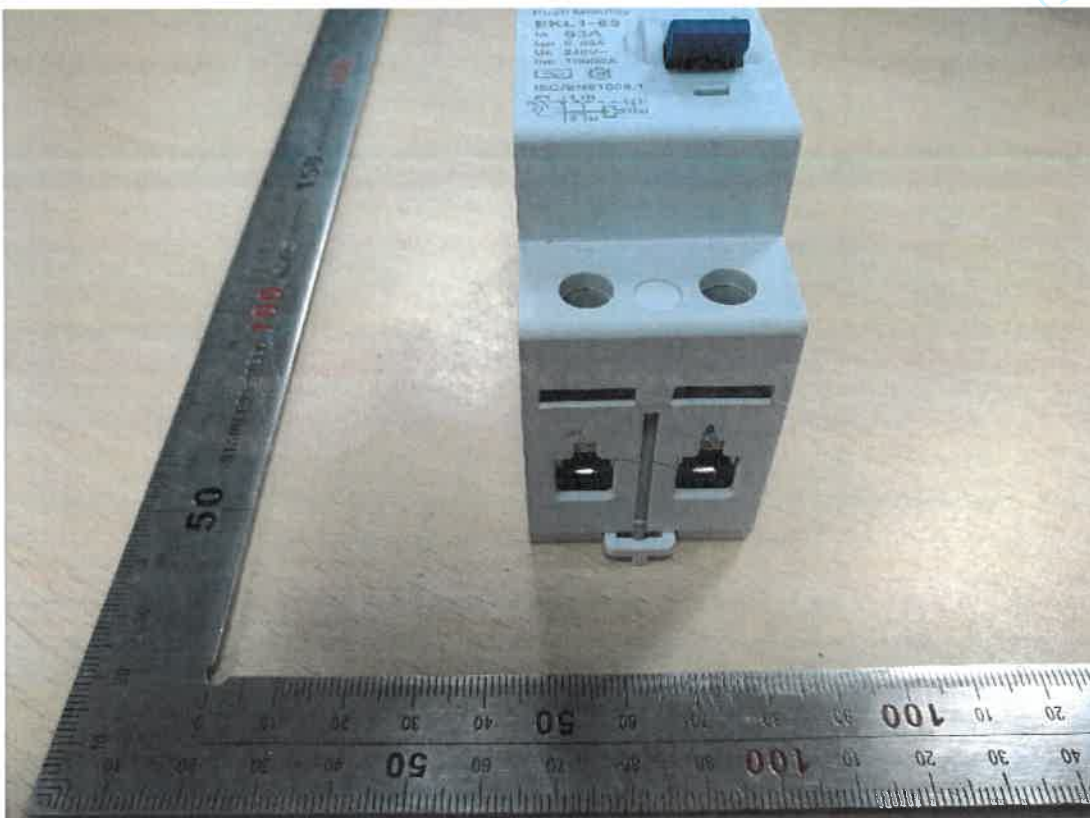
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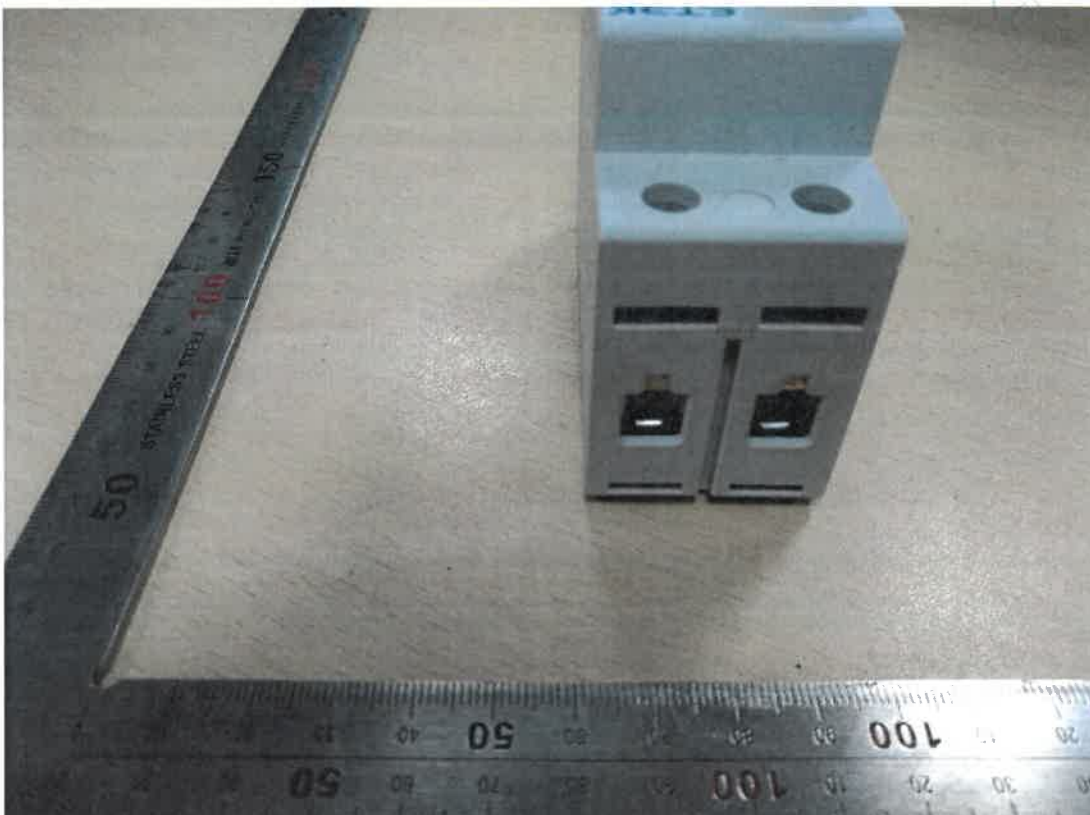
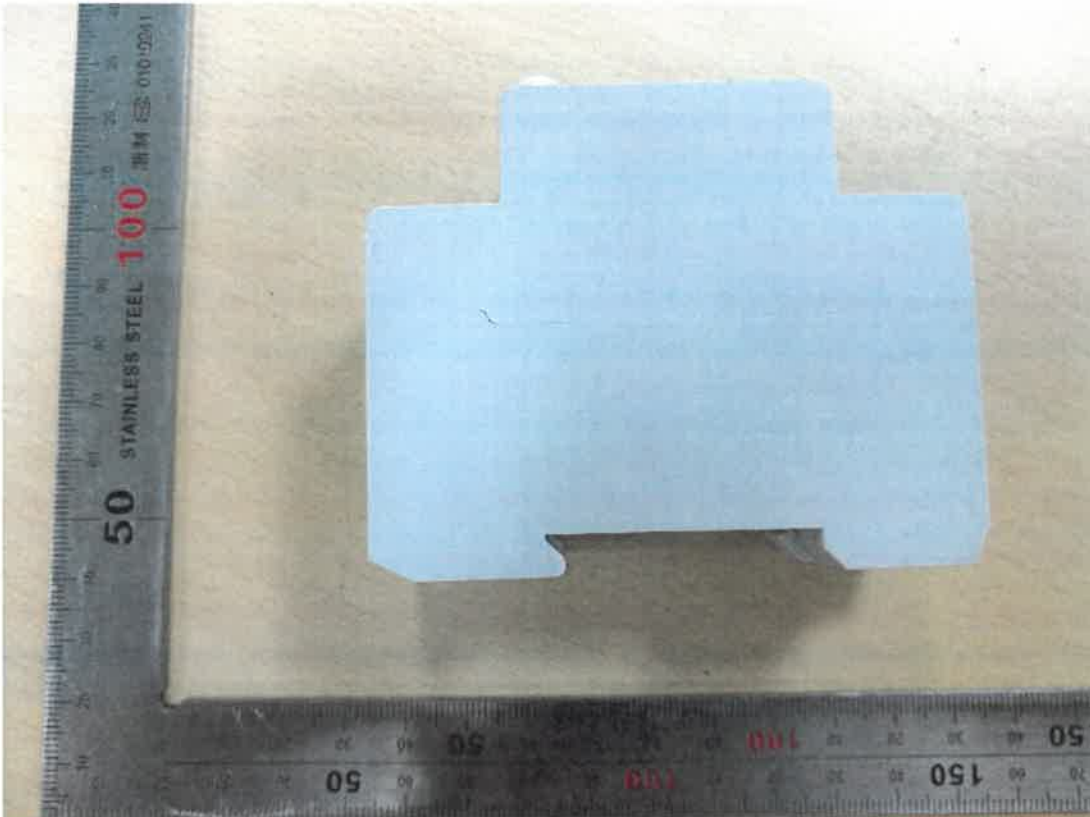
证书的详细资料请登陆www.certipedia.com查阅,或拨打我司客服热线800 999 3668 / 400 883 1300咨询

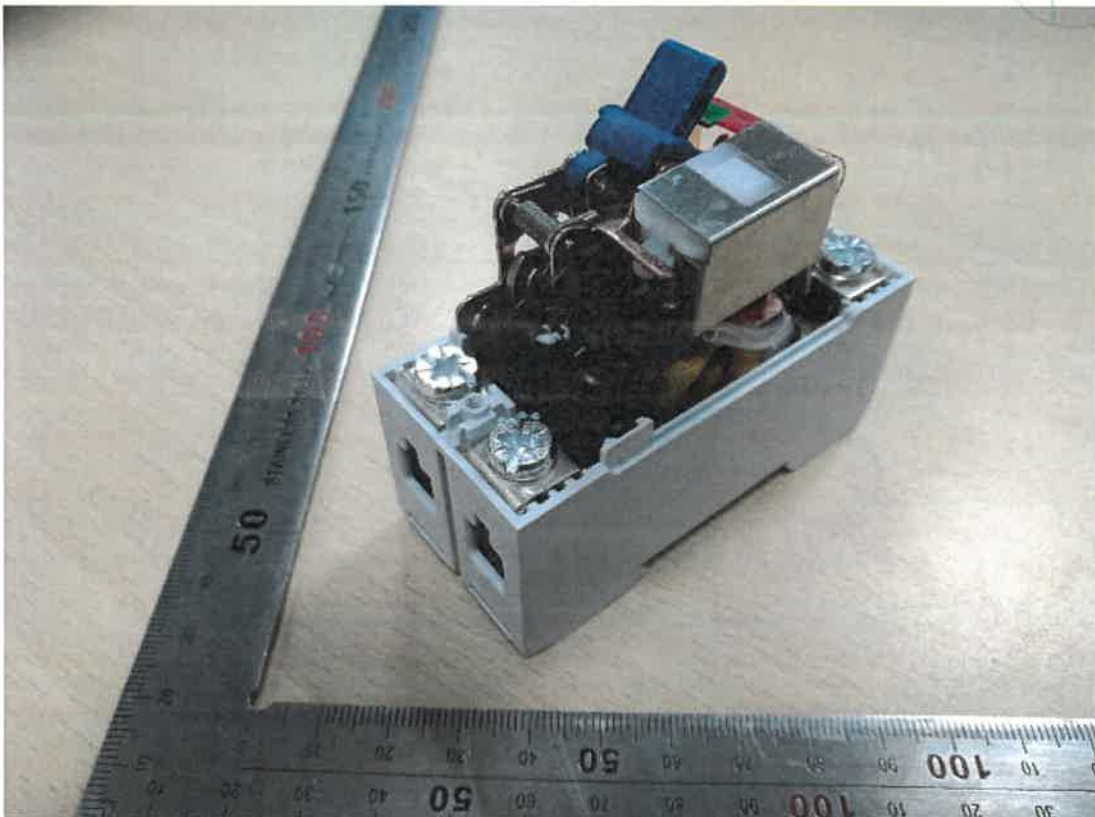
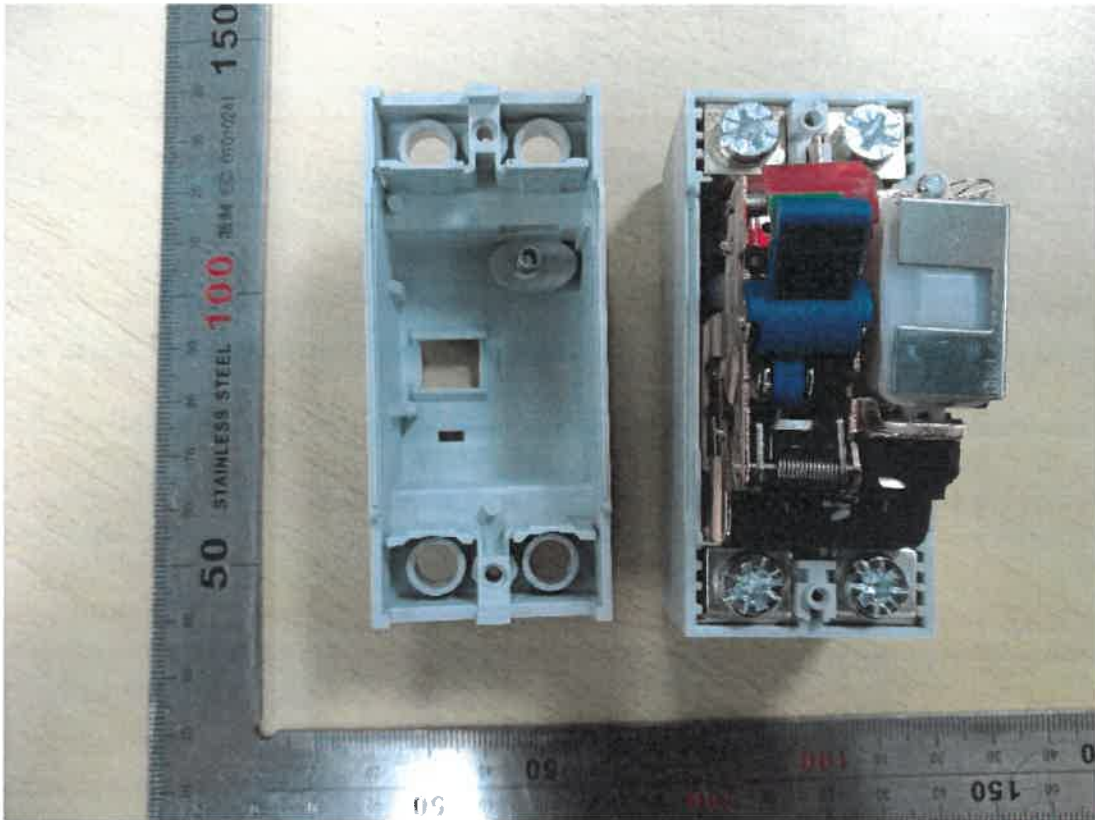
PHOTO DOCUMENTATION
50132735 001
for
RCCBs
EKL1-63, EKL1-63H
ZHEJIANG ETEK Electrical technology CO.,LTD.

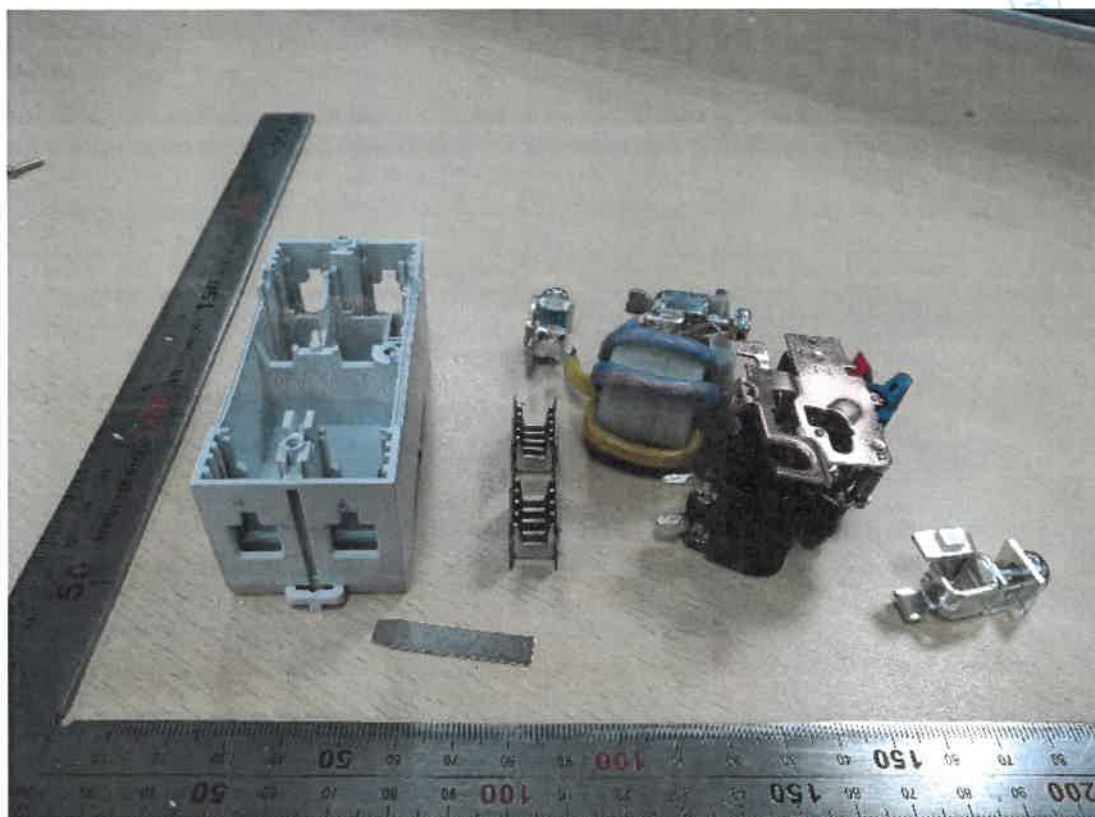
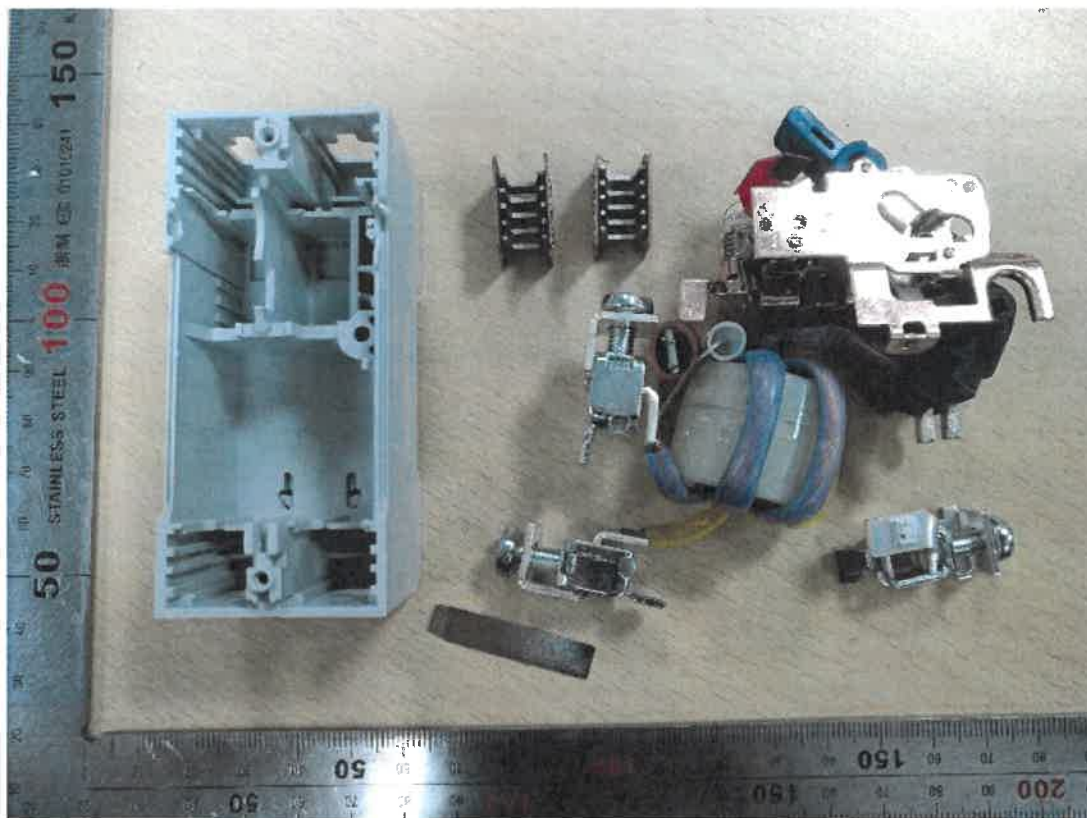


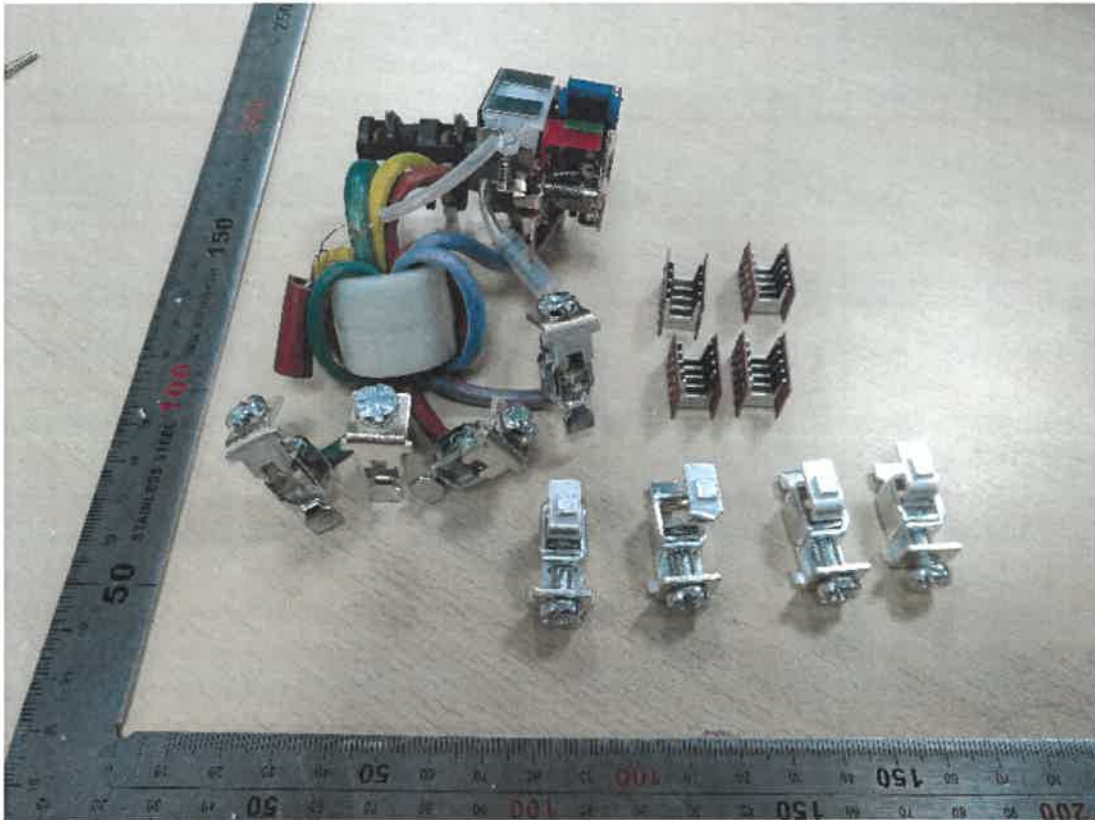
This documentation consists of 8 pages (excluding this cover page).

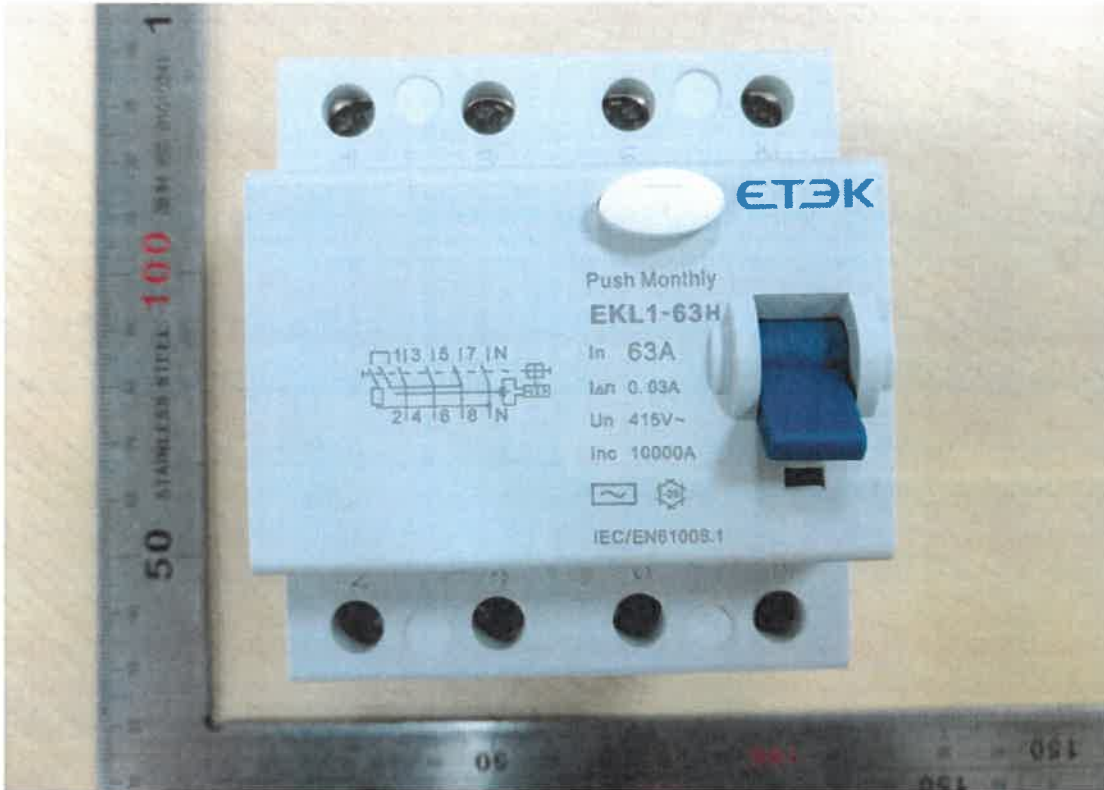


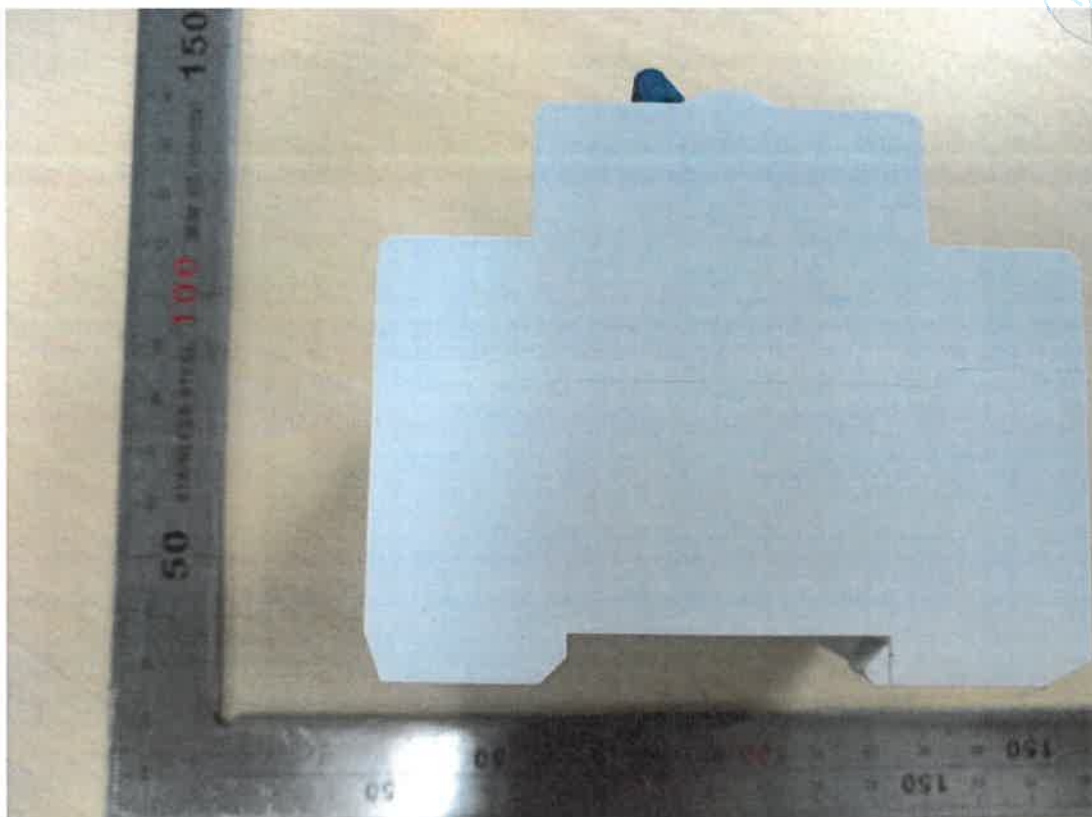
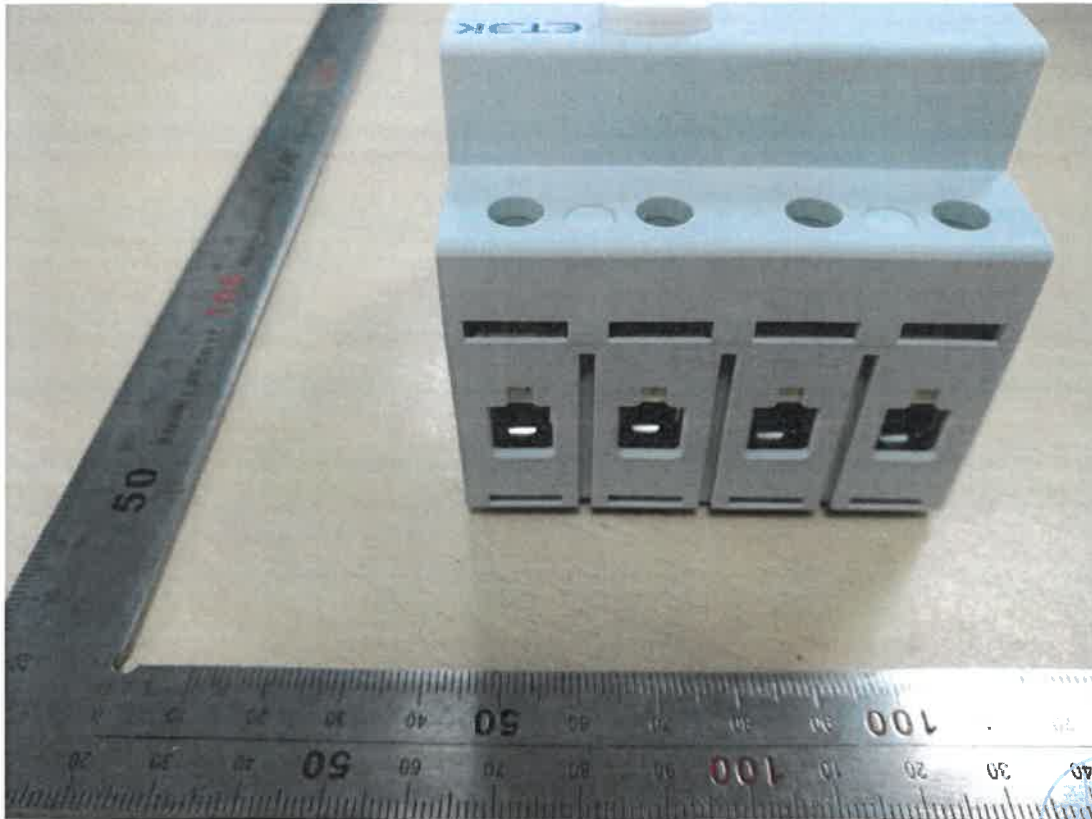


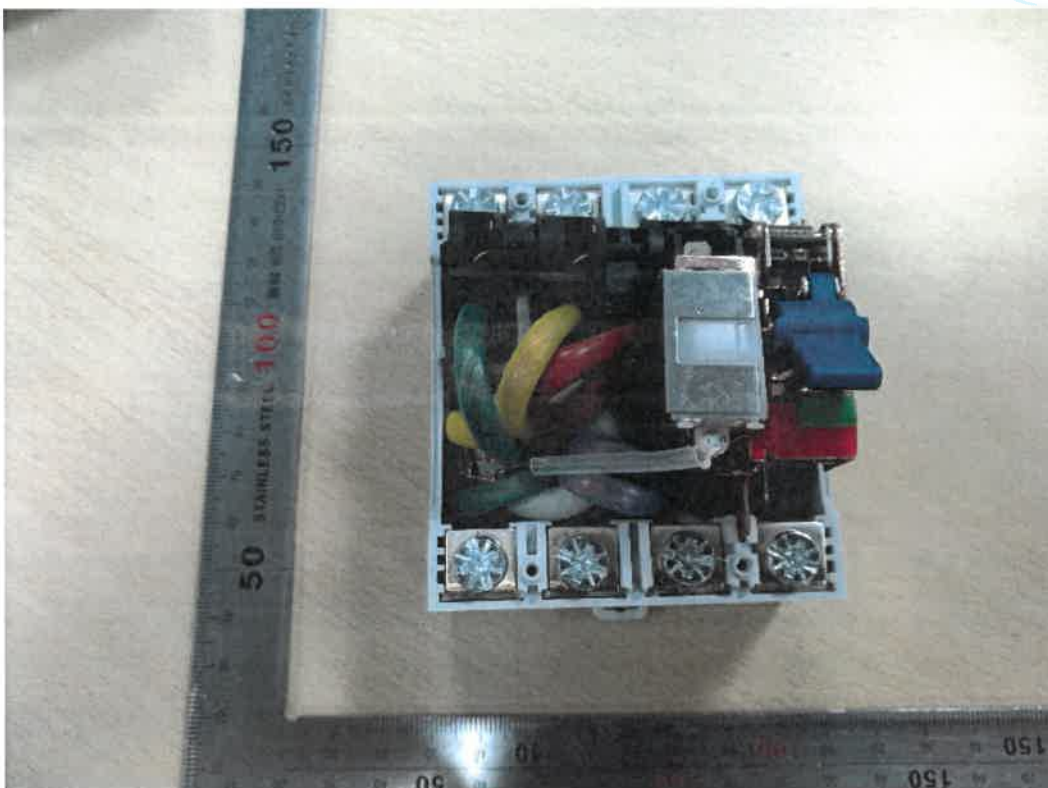
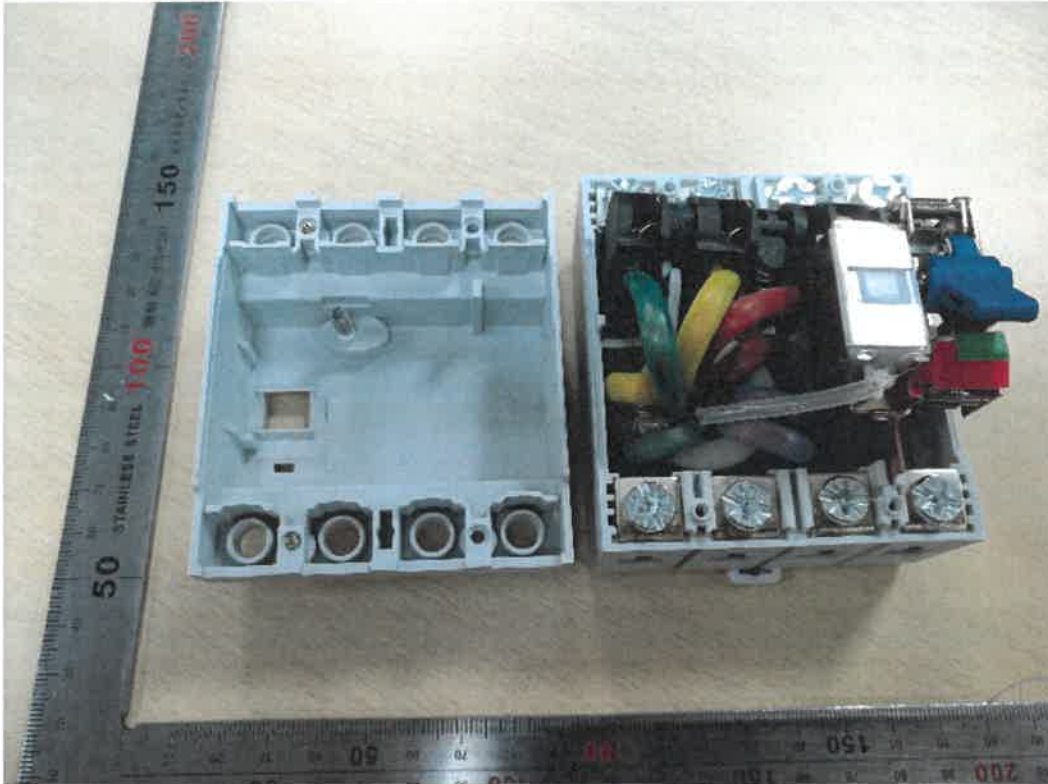












Certificate No. R 50403458 0001-0002 Our Reference 01-DY- 50132735 001 Appendix No. 1

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: EKL1-63, 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	EKL1-63, EKL1-63H	
Contact material	Fixed: Agc4, Moving: Agcd015	
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	
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	6,0 kA for EKL1-63 10,0 kA for EKL1-63H	
Rated conditional residual short-circuit current IΔc	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)	

TÜV Rheinland Group

License holder

2018.04.28



Date

Signature

Name

Company Stamp and Signature

Certificate No. R 50403458 0001-0002 Our Reference 01-DY- 50132735 001 Appendix No. 1

Constructional Data Form for RCCBs EN 61008

Page 2 of 3

I2t 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	EKL1-63, 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

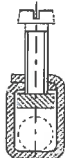

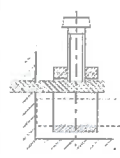

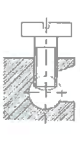
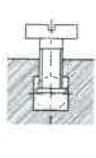
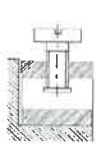
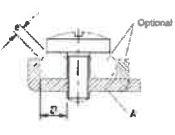
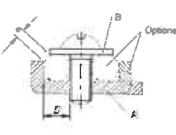
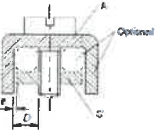
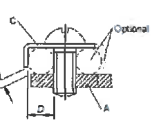
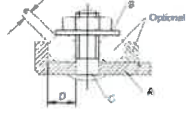
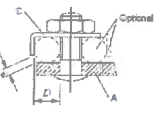
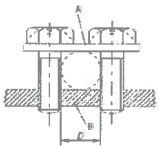
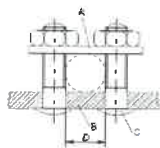
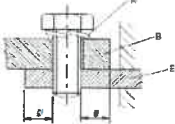
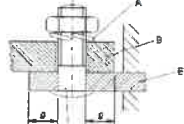
Company Stamp and Signature

2018.00.28



Constructional Data Form for RCCBs EN 61008

Terminal Figure

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								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"/>	<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"/>	<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"/>	<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"/>
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TÜV Rheinland Group

License holder

2018.09.28 

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Signature

Name

Company Stamp and Signature