

C E R T I F I C A T E



of Conformity
Low Voltage Directive 2014/35/EU

Registration No.: AN 50383336 0001

Report No.: 50090260 001

Holder: Zhejiang Tengen Electric Co., Ltd.
Tengen Industry Zone, Liushi,
Yueqing, Zhejiang 325604
P. R. China

Product: Circuit Breaker
(Moulded-case Circuit-breaker)

Identification: Type Designation: TGBKZ-63x TGBGZ-63x
x = Blank, H (TENGEN)

Serial No.: n.a.

Remark: Issued in conjunction with TÜV Rheinland
license R 50383335 0001-0003.

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 09.10.2017



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

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50383335

Blatt *Sheet*
0001

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum <i>Date of Issue</i>
L.L.	ZC10-ZHB-50090260 001	09.10.2017 (day/mo/yr)

Genehmigungsinhaber *License Holder*
Zhejiang Tengen Electric Co., Ltd.
Tengen Industry Zone, Liushi,
Yueqing, Zhejiang 325604
P. R. China

Fertigungsstätte *Manufacturing Plant*
Zhejiang Tengen Electric Co., Ltd.
Tengen Industry Zone, Liushi,
Yueqing, Zhejiang 325604
P. R. China

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*
EN 60947-2:2006+A1+A2

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

Lizenzentgelte - Einheit *License Fee - Unit*

Circuit Breaker (Moulded-case Circuit-breaker)

Type Designation	: TGBKZ-63x TGBGZ-63x	6
	x=Blank, H	1
	(TENGEN)	
Reference Temperature	: 30°C	
Utilization Category	: A	
Rated Current (In)	: 1A, 2A, 3A, 4A, 5A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A	
Instantaneous Tripping Curve	: Ii=4In Ii=8In Ii=12In	
Impulse Withstand Voltage (Uimp)	: 6,0kV	
Rated Insulation Voltage (Ui)	: 690V	
Suitability for Isolation	: Yes	
Suitability for IT System	: Yes	

Continued on page 0002-0003

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ANLAGE (Appendix): 1, 1.1

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

Zertifizierungsstelle



James Li

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50383335

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0002

Ihr Zeichen *Client Reference*
L.L.

Unser Zeichen *Our Reference*
ZC10-ZHB-50090260 001

Ausstellungsdatum *Date of Issue*
09.10.2017 (day/mo/yr)

Genehmigungsinhaber *License Holder*
Zhejiang Tengen Electric Co., Ltd.
Tengen Industry Zone, Liushi,
Yueqing, Zhejiang 325604
P. R. China

Fertigungsstätte *Manufacturing Plant*
Zhejiang Tengen Electric Co., Ltd.
Tengen Industry Zone, Liushi,
Yueqing, Zhejiang 325604
P. R. China

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*
EN 60947-2:2006+A1+A2

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Circuit Breaker (Moulded-case Circuit-breaker)

continuation from page 0001

Ratings of AC:

Number of Poles : 1P/1P+N/2P/3P/3P+N/4P

Rated Operation Voltage (Ue) : 220/230/240V; 50/60Hz
(1P, 1P+N, 2P)

380/400/415V; 50/60Hz
(1P, 2P, 3P, 3P+N, 4P)

Rated Ultimate Short-circuit
Breaking Capacity (Icu)

: When x=Blank:
6kA (1P; 1P+N; 3P; 3P+N; 4P;
2P 380/400/415V)
10kA (2P 380/400/415V)
When x=H: 10kA

Breaking Capacity (Ics)

: When x=Blank:
6kA (1P; 1P+N; 3P; 3P+N; 4P;
2P 380/400/415V)
7.5kA (2P 380/400/415V)
When x=H: 7.5kA

Continued on page 0003

ANLAGE (Appendix): 1, 1.1

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.
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Zertifizierungsstelle



James Li

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50383335

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0003

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum	<i>Date of Issue</i>
L.L.	ZC10-ZHB-50090260 001	09.10.2017	(day/mo/yr)

Genehmigungsinhaber *License Holder*

Zhejiang Tengen Electric Co., Ltd.
Tengen Industry Zone, Liushi,
Yueqing, Zhejiang 325604
P. R. China

Fertigungsstätte *Manufacturing Plant*

Zhejiang Tengen Electric Co., Ltd.
Tengen Industry Zone, Liushi,
Yueqing, Zhejiang 325604
P. R. China

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*

EN 60947-2:2006+A1+A2

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

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

Circuit Breaker (Moulded-case Circuit-breaker)

continuation from page 0001-0002

Ratings of DC:

Number of Poles : 1P/2P/3P/4P Appearance
Rated Operation Voltage (Ue): 1) 60V (1P Appearance)
2) 125V (1P Appearance)
3) 110V (2P Appearance)
4) 250V (2P Appearance)
5) 375V (3P Appearance)
6) 500V (4P Appearance)

Rated Ultimate Short-circuit

Breaking Capacity (Icu) : 2)4)5)6) 6kA (when x=Blank)
1)3) 10kA (when x=Blank)
1)2)3)4)5)6) 10kA (When x=H)

Breaking Capacity (Ics) : 2)4)5)6) 6kA (when x=Blank)
1)3) 7.5kA (when x=Blank)
1)2)3)4)5)6) 10kA (When x=H)

The labelling requirements acc. to EU Directive 2001/95
have to be observed for distribution within the EEA.

ANLAGE (Appendix): 1, 1.1

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.
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Fax: +49 221 806-3935 http://www.tuv.com/safety

Zertifizierungsstelle



James Li

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50383335

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0004

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum	<i>Date of Issue</i>
L.L.	ZC10-ZHB-50090260 002	06.12.2017	(day/mo/yr)

Genehmigungsinhaber *License Holder*
Zhejiang Tengen Electric Co., Ltd.
Sulv Industrial Area,
Liushi Town, Yueqing City,
Zhejiang Province 325604
P. R. China

Fertigungsstätte *Manufacturing Plant*
Zhejiang Tengen Electric Co., Ltd.
Sulv Industrial Area,
Liushi Town, Yueqing City,
Zhejiang Province 325604
P. R. China

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*
EN 60947-2:2006+A1+A2

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Circuit Breaker (Moulded-case Circuit-breaker)

as page 0001-0003

Change

Address of License Holder : See above

Address of Factory : See above

*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

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Fax: +49 221 806-3935 http://www.tuv.com/safety

Zertifizierungsstelle



James Li

C E R T I F I C A T E



of Conformity
Low Voltage Directive 2014/35/EU

Registration No.: AN 50391667 0001

Report No.: 50090260 002

Holder: Zhejiang Tengen Electric Co., Ltd.
Sulv Industrial Area,
Liushi Town, Yueqing City,
Zhejiang Province 325604
P. R. China

Product: Circuit Breaker
(Moulded-case Circuit-breaker)

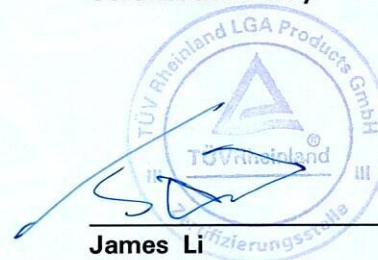
Identification: Type Designation: TGBKZ-63x TGBGZ-63x (TENGEN)
x = Blank, H

Serial No.: n.a.

Remark: Issued in conjunction with TÜV Rheinland
license R 50383335 0001-0004.

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 06.12.2017

James Li

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

C E R T I F I C A T E



of Conformity Low Voltage Directive 2014/35/EU

Registration No.: AN 50533851 0001

Report No.: 50090260 004

Holder: Zhejiang Tengen Electric Co., Ltd.
Sulv Industrial Area,
Liushi Town, Yueqing City,
325604 Zhejiang
P.R. China

Product: Circuit Breaker
(Moulded-case Circuit-breaker)

Identification: Type Designation: TGBKZ-63x TGBGZ-63x (Tengen (Logo))
x = Blank, H

Serial No.: n.a.

Remark: Issued in conjunction with TÜV Rheinland
license R 50383335 0001-0006.

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 22.02.2022

James Li

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**

Zertifikat

Certificate

Zertifikat Nr. Certificate No. R 50383335
Blatt Sheet 0006

Ihr Zeichen Client Reference	Unser Zeichen Our Reference	Ausstellungsdatum Date of Issue
L.L.	ZC10-YQ-50090260 004	22.02.2022 (day/mo/yr)

Genehmigungsinhaber License Holder	Fertigungsstätte Manufacturing Plant
Zhejiang Tengen Electric Co., Ltd. Sulv Industrial Area, Liushi Town, Yueqing City, 325604 Zhejiang P.R. China	Zhejiang Tengen Electric Co., Ltd. Sulv Industrial Area, Liushi Town, Yueqing City, 325604 Zhejiang P.R. China

Prüfzeichen Test Mark



Geprüft nach Tested acc. to
 EN 60947-2:2017+A1

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Circuit Breaker (Moulded-case Circuit-breaker)

as page 0001-0005

Change

Test Requirement: See above

*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

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 Fax: +49 221 806-3935

Zertifizierungsstelle



James Li