

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

Date : 14.06.2019  
Our ref. : WCJ ZC10  
Your ref.: L.L.

**Ref : R TÜV-Mark Approval**

Type of Equipment : Moulded-case Circuit-breaker  
Model Designation : See Certificate  
Certificate No. : R 50422185 0001  
Report No. : 50198214 001

Dear Li Li,

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

  
James Li

Enclosure

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

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50422185

Blatt *Sheet*  
0001

Ihr Zeichen *Client Reference*  
L.L.

Unser Zeichen *Our Reference*  
ZC10-WCJ-50198214 001

Ausstellungsdatum  
14.06.2019

*Date of Issue*  
(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.  
(Yueqing Economic Development  
Zone Branch)  
No.288 Central Avenue,  
Development Zone, Yueqing City,  
Zhejiang Province 325604  
P. R. China

**Prüfzeichen *Test Mark***



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

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

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

**Circuit Breaker (Moulded-case Circuit-breaker)**

Type Designation	: TGM3DC-400Mx/abc (TENGEN)	5
	x = Z, P, Blank	1
	a = 2, 4	1
	b = 300, 308, 310, 320, 330, 340, 350, 360, 370, 318, 328, 338, 348, 368, 378	1
	c = B, C, Blank	1
Intended for Use	: DC Systems and PV Systems	
Reference Temperature	: +50°C	
Utilization Category	: A	
Number of Poles	: 1) 2P Appearance 2) 4P Appearance	
Rated Operation Voltage (Ue)	: 1) DC 250V, 500V 2) DC 750V, 1000V	

Continued on page 0002

**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

Zertifizierungsstelle



James Li

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50422185

Blatt *Sheet*  
0002

Ihr Zeichen *Client Reference*  
L.L.

Unser Zeichen *Our Reference*  
ZC10-WCJ-50198214 001

Ausstellungsdatum *Date of Issue*  
14.06.2019 (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.  
(Yueqing Economic Development  
Zone Branch)  
No.288 Central Avenue,  
Development Zone, Yueqing City,  
Zhejiang Province 325604  
P. R. China

**Prüfzeichen *Test Mark***



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

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

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

Circuit Breaker (Moulded-case Circuit-breaker)

Continuation from page 0001

Rated Current (In) : 225/250/315/350/400A  
Rated Ultimate Short-circuit  
Breaking Capacity (Icu) : 50kA (DC 250V)  
35kA (DC 500V)  
25kA (DC 750V)  
20kA (DC 1000V)  
Rated Service Short-circuit  
Breaking Capacity (Ics) : 50kA (DC 250V)  
35kA (DC 500V)  
25kA (DC 750V)  
20kA (DC 1000V)  
Rated Impulse Withstand  
Voltage (Uimp) : 12kV  
Rated Insulation Voltage (Ui) : 1000V  
Polarity : No Polarity  
Suitability for Isolation : Yes

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**

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

Zertifizierungsstelle



James Li

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

Date : 14.06.2019  
Our ref. : WCJ ZC10  
Your ref.: L.L.

Ref : AN Certificate of Conf. Low Voltage D.

Type of Equipment : Moulded-case Circuit-breaker  
Model Designation : See Certificate  
Certificate No. : AN 50422186 0001  
Report No. : 50198214 001

Dear Li Li,

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

  
James Li

Enclosure

证书的详细资料请登陆[www.certipedia.com](http://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 50422186 0001

Report No.: 50198214 001

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: TGM3DC-400Mx/abc (TENGEN)  
Serial No.: n.a.  
Remark: Issued in conjunction with TÜV Rheinland  
license R 50422185 0001-0002.

See more module type designations in attachment 1.1

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 14.06.2019



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

**TÜV Rheinland**  
**LGA Products GmbH**  
Tillystraße 2, 90431 Nürnberg

**Attachment to**  
**Registration No.:** AN 50422186 0001  
**Report No.:** 50198214 001

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

**Scope:**

- x = Z, P, Blank
- a = 2, 4
- b = 300, 308, 310, 320, 330, 340, 350, 360, 370, 318,  
328, 338, 348, 368, 378
- c = B, C, Blank  
(TENGEN)

Cologne, 14.06.2019



**James Li**