

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.* R 50553419
Blatt *Sheet* 0001

Ihr Zeichen *Client Reference* L.L
Unser Zeichen *Our Reference* ZC10-WCJ-CN22THCL 001
Ausstellungsdatum *Date of Issue* 04.08.2022
(day/mo/yr)

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

Fertigungsstätte *Manufacturing Plant*
Zhejiang Tengen Electric Co., Ltd.
(Yueqing Economic
Development Zone Branch)
No.288 Central Avenue
Development Zone, 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

Moulded case circuit breaker (Moulded case circuit breaker)

Type Designation : TGMaE-bcd/e3fghijkl (Tengen (Logo))
a=1N, K, G, H;
b=400, 630;
c=M, H;
d=Blank, P, Z;
e=3, 3N, 4;
f=00, 08, 10, 20, 30, 40, 50, 60,
70, 18, 28, 38, 48, 68, 78;
g=Blank, 2;
h=A, B, C, D;
i=Blank, F;
j=Blank, III;
k=Blank, E1, E2, E3;
l=Blank, B, C

8

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

<http://www.tuv.com/safety> E-mail: markcheck@tuv.com
Fax: +49 221 806-3935

Zertifizierungsstelle



Wencai Zhang

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50553419

Blatt *Sheet*
0003

Ihr Zeichen *Client Reference*
L.L

Unser Zeichen *Our Reference*
ZC10-WCJ-CN22THCL 001

Ausstellungsdatum *Date of Issue*
04.08.2022 (day/mo/yr)

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Moulded case circuit breaker (Moulded case circuit breaker)

Continuation from page 0002

Rated Ultimate Short-circuit Breaking Capacity (Icu) :

70kA (Ue=AC415V and c=M) ; 100kA (Ue=AC415V and c=H)

40kA (Ue=AC550V and c=M) ; 50kA (Ue=AC550V and c=H)

20kA (Ue=AC690V and c=M) ; 30kA (Ue=AC690V and c=H)

Rated Service Short-circuit Breaking Capacity (Ics) :

70kA (Ue=AC415V and c=M) ; 70kA (Ue=AC415V and c=H)

30kA (Ue=AC550V and c=M) ; 40kA (Ue=AC550V and c=H)

20kA (Ue=AC690V and c=M) ; 20kA (Ue=AC690V and c=H)

Rated Short-circuit Withstand Current (Icw) :

6kA/1s (Ue=AC415V and Inm=400A)

8kA/1s (Ue=AC415V and Inm=630A)

Rated Insulation Voltage (Ui) :1000V

Rated Impulse Withstand Voltage (Uimp) :12kV

Pollution Degree :3

Rated Duty :8 hours

Suitability for Using in IT System :No

Suitability for Isolation :Yes (3P;4P)

Method of Installation :Fixed
Plug-in

ANLAGE (Appendix) : 1

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TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

http://www.tuv.com/safety E-mail: markcheck@tuv.com
Fax: +49 221 806-3935

Zertifizierungsstelle



Wencai Zhang

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50553419

Blatt *Sheet*
0002

Ihr Zeichen *Client Reference*
L.L

Unser Zeichen *Our Reference*
ZC10-WCJ-CN22THCL 001

Ausstellungsdatum *Date of Issue*
04.08.2022 (day/mo/yr)

Genehmigungsinhaber *License Holder*

Zhejiang Tengen Electric Co., Ltd.
Sulv Industrial Area,
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325604 Zhejiang
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Fertigungsstätte *Manufacturing Plant*

Zhejiang Tengen Electric Co., Ltd.
(Yueqing Economic
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No.288 Central Avenue
Development Zone, Yueqing City,
325604 Zhejiang
P.R. China

Prüfzeichen *Test Mark*



Regular Production
Surveillance
Safety
Type Approved

www.tuv.com
ID 1111257478

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

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Moulded case circuit breaker (Moulded case circuit breaker)

Continuation from page 0001

Selectivity Category :B
Interruption Medium :Air
Electromagnetic Compatibility :Environment A
Number of Poles :3P;3P+N;4P
Number of Protection Poles :3; 3; 4
Rated Operation Voltage(Ue) :AC380/400/415V;
AC500/550V;
AC660/690V
Rated Frequency :50/60Hz
Rated Current of Frame Size(Inm) :400A;630A
Conventional Free Air Thermal Current of Frame Size(Ith) :
400A;630A
Breaking Capacity Level :M;H
Rated Current Range of Electronic Release(In) :
300AF:120A to 300A;315AF:125A to 315A(Inm/Ith:400A)
400AF:160A to 400A(Inm/Ith:400A)
400AF:160A to 400A;500AF:200A to 500A(Inm/Ith:630A)
630AF:250A to 630A(Inm/Ith:630A)

Continued on page 0003

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.
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Zertifizierungsstelle



Wencai Zhang

Zhejiang Tengen Electric Co., Ltd.
Li Li

Date : 04.08.2022
Our ref. : WCJ ZC10
Your ref.: L.L

Sulv Industrial Area,
Liushi Town, Yueqing City,
325604 Zhejiang
P.R. China

Ref : R TÜV-Mark Approval

Type of Equipment : Moulded case circuit breaker
Model Designation : See Certificate
Certificate No. : R 50553419 0001
Report No. : CN22THCL 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. In case you have a change regarding your involved local representative for the certificate, please inform us in due time.

With kind regards,

Certification Body



Wencai Zhang

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 50553461 0001

Report No.: CN22THCL 001

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

Product: Moulded case circuit breaker
(Moulded case circuit breaker)

Identification: Type Designation : TGMaE-bcd/e3fghijkl (Tengen (Logo))
Serial No.: n.a.
Remark: Issued in conjunction with TÜV Rheinland
license R 50553419 0001-0003.

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 04.08.2022

Wencai Zhang

The signature of Wencai Zhang is written in blue ink over a circular blue stamp. The stamp contains the text 'TÜV Rheinland LGA Products GmbH' and 'Zertifizierungsstelle'.

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 50553461 0001
Report No.: CN22THCL 001

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

Scope: Type Designation : TGMaE-bcd/e3fghijkl (Tengen (Logo))

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g=Blank, 2;
h=A, B, C, D;
i=Blank, F;
j=Blank, III;
k=Blank, E1, E2, E3;
l=Blank, B, C

Date: 2022-08-04

Certification Body

Wencai Zhang

