

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50559542

Blatt *Sheet*
0001

Ihr Zeichen *Client Reference*
L.L

Unser Zeichen *Our Reference*
ZC10-WCJ-CN22DDU4 001

Ausstellungsdatum
28.09.2022

Date of Issue
(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*



Regular Production
Surveillance
Safety
Type Approved

www.tuv.com
ID 1111259665

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-1600cd/e3fghijkl (Tengen (Logo))
a=1N, K, G, H;
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;
h=A, B, C, D;
i=Blank;
j=Blank, III;
k=Blank, E1, E2, E3;
l=Blank

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 50559542

Blatt *Sheet*
0002

Ihr Zeichen *Client Reference*

L.L

Unser Zeichen *Our Reference*

ZC10-WCJ-CN22DDU4 001

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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):1600A
Conventional Free Air Thermal Current of Frame Size(Ith):
1600A
Breaking Capacity Level :M;H
Rated Current Range of Electronic Release(In) :
1250AF:500A to 1250A;
1600AF:630A to 1600A

Continued on page 0003

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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) :
20kA/1s(Ue=AC415V)
Rated Impulse Withstand Voltage(Uimp) :12kV
Rated Insulation Voltage(Ui) :1000V
Pollution Degree :3
Rated Duty :8 hours
Suitability for Using in IT System :No
Suitability for Isolation :Yes(3P;4P)
Method of Installation :Fixed

ANLAGE (Appendix): 1

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Zertifizierungsstelle



Wencai Zhang

C E R T I F I C A T E



of Conformity
Low Voltage Directive 2014/35/EU

Registration No.: AN 50559564 0001

Report No.: CN22DDU4 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-1600cd/e3fghijkl (Tengen (Logo))

Serial No.: n.a.

Remark: Issued in conjunction with TÜV Rheinland
license R 50559542 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 28.09.2022


Wencai 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

TÜV Rheinland
LGA Products GmbH
Tillystraße 2, 90431 Nürnberg

Attachment to
Registration No.: AN 50559564 0001
Report No.: CN22DDU4 001

Manufacturer: Zhejiang Tengen Electric Co., Ltd.
Sulv Industrial Area,
Liushi Town, Yueqing City,
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Scope: Type Designation : TGMaE-1600cd/e3fghijkl (Tengen (Logo))

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l=Blank

Date: 2022-09-28

Certification Body


Wencai Zhang