

# Zertifikat *Certificate*

**Zertifikatsnummer Certificate No.:**

R 50670955 0001

**Berichtsnummer Report No.:**

CN25S01T 001

**Genehmigungsinhaber License Holder:**

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

**Fertigungsstätte Manufacturing Site:**

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 1111299222

**Geprüft nach Tested according to:**

EN 60947-2:2017+A1

**Geräteidentifikation**
**Product Identification**

**Produkt:** Air circuit breaker  
**Product:** (Air Circuit Breaker)

**Modell:** Modelle sind auf nächste(r) Seite(n) gelistet  
**Type:** Type designation(s) are listed on the next page(s)

**Technische Daten:** Technische Daten auf nächste(r) Seite(n) gelistet  
**Technical Data:** Technical Data is listed on the next page(s)

**Gültig ab:** 2025-04-11  
**Valid from:**

**Zertifizierungsstelle:**  
**Certification body:**

**Ausstellungsdatum:** 2025-04-11  
**Date of issue:**

Wencai Zhang



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](mailto:markcheck@tuv.com)

Fax: +49 221 806-3935

# Zertifikat *Certificate*

**Zertifikatsnummer Certificate No.:**

R 50670955 0001

**Berichtsnummer Report No.:**

CN25S01T 001

**Produkt Product:** Air circuit breaker  
(Air Circuit Breaker)

**Modell Type: Bezeichnung Designation:**

Type Designation : TGW3-axyzdefgh (Tengen (Logo))  
(a=3200, 4000; x=Blank, H; y=3P, 3N, 4P; z=2000, 2500, 2900,  
3150, 3200, 3600, 3900, 4000; d=M, V, H, S; e=D, F; f=A110,  
A220, A230, A240, A380, A400, A415, D110, D220; g=D, M; h=3,4)

Selectivity Category :B  
Interruption Medium :Air  
Electromagnetic Compatibility :Environment A  
Number of Poles :3P;3N(3P+N);4P  
Number of Protection Poles :3; 3; 4  
Rated Operation Voltage(Ue) :AC380/400/415V  
AC660/690V  
Rated Frequency :50/60Hz  
Rated Current of Frame Size(Inm) :3200A; 4000A  
Conventional Free Air Thermal  
Current of Frame Size(Ith) :Same as Inm  
Breaking Capacity Level :Standard(x=Blank)  
Higher (x=H)

**Rated Current Range of Electronic Release(In):**

Inm:3200A/In:2000/2500/2900/3150/3200A

Inm:4000A/In:2500/2900/3200/3600/3900/4000A

**Rated Ultimate Short-circuit Breaking Capacity(Icu):**

Inm:3200A: 80kA(Ue=AC415V and x=Blank);100kA(Ue=AC415V and x=H)  
65kA(Ue=AC690V and x=Blank); 70kA(Ue=AC690V and x=H)

Inm:4000A: 100kA(Ue=AC415V and x=Blank);100kA(Ue=AC415V and x=H)  
65kA(Ue=AC690V and x=Blank); 75kA(Ue=AC690V and x=H)

**Rated Service Short-circuit Breaking Capacity(Ics):**

Inm:3200A: 80kA(Ue=AC415V and x=Blank); 85kA(Ue=AC415V and x=H)  
65kA(Ue=AC690V and x=Blank); 70kA(Ue=AC690V and x=H)

Inm:4000A: 85kA(Ue=AC415V and x=Blank);100kA(Ue=AC415V and x=H)  
65kA(Ue=AC690V and x=Blank); 75kA(Ue=AC690V and x=H)

**Rated Short-circuit Withstand Current(Icw):**

Inm:3200A: 80kA/1s(Ue=AC415V and x=Blank); 85kA/1s(Ue=AC415V and x=H)  
65kA/1s(Ue=AC690V and x=Blank); 70kA/1s(Ue=AC690V and x=H)

Inm:4000A: 85kA/1s(Ue=AC415V and x=Blank); 85kA/1s(Ue=AC415V and x=H)  
65kA/1s(Ue=AC690V and x=Blank); 75kA/1s(Ue=AC690V and x=H)

Rated Insulation Voltage(Ui) :1000V

Rated Impulse Withstand Voltage(Uimp) :12kV

Pollution Degree :3

Rated Duty :Uninterrupted work duty

Suitability for Using in IT System :Yes

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

Method of Installation :Fixed or Withdrawable

ANLAGE (Appendix): 1