

# Zertifikat *Certificate*

**Zertifikatsnummer Certificate No.:**

R 50677281 0001

**Berichtsnummer Report No.:**

CN25D62J 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:**

**Geprüft nach Tested according to:**

EN IEC 60947-2:2025

**Geräteidentifikation**
**Product Identification**
**Produkt:**

Moulded case circuit breaker

**Product:**

(Moulded case 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:**

2025-05-15

**Valid from:**
**Zertifizierungsstelle:**

Certification body:

**Ausstellungsdatum:**

2025-05-15

**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**
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[www.tuv.com](http://www.tuv.com)
**TÜVRheinland®**  
Precisely Right.

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

**Modell Type: Bezeichnung Designation:**

Code Designation : TGM3-1600ya/bcde  
(y= L, M, H, R; a=Blank, P, Z; b=3, 3N, 4; c=2, 3; d=00, 08, 10,  
20, 21, 23, 30, 40, 41, 43, 50, 51, 52, 54, 70, 71, 18, 28, 38,  
48, 47, 45, 68, 66, 77, 78, 75, 55, 56, 58, 59; e=A, B, C, D)

Trademark : (Tengen(Logo))

Selectivity Category :A  
 Interruption Medium :Air  
 Electromagnetic Compatibility :Environment A  
 Number of Poles :3P,3P+N,4P  
 Rated Operation Voltage(Ue) :AC380/400/415V  
 Rated Frequency :50/60Hz  
 Rated Impulse Withstand Voltage(Uimp) :12kV  
 Rated Insulation Voltage(Ui) :1000V  
 Conventional Free Air Thermal Current of Frame Size(Ith):1600A  
 Breaking Capacity Level :L; M; H; R  
 Rated Current Range of Thermo-magnetic or Magnetic Release(In):  
 800/1000/1250/1440/1500/1600A  
 Current Setting of Adjustable Overload Release:(Ir):1.0In  
 Rated Instantaneous Short-circuit Current Setting:(Ii):  
 6/8/10In  $\pm$  20%(Power distribution)  
 Rated Ultimate Short-circuit Breaking Capacity(Icu):  
 Ue:AC380/400/415V:50kA(y=L);70kA(y=M);100kA(y=H);100kA(y=R)  
 Rated Service Short-circuit Breaking Capacity(Ics):  
 Ue:AC380/400/415V:50kA(y=L);70kA(y=M); 75kA(y=H);100kA(y=R)  
 Rated Duty :Uninterrupted duty  
 Suitability for Using in IT System :No  
 Suitability for Isolation :Yes(3P;4P)  
 Method of Installation :Fixed

**Auxiliary and Control Circuit Parameters:**

Shunt Release(MX3MS1)(Us):AC220/230/240V; AC380/400/415V; DC24V;  
DC110V; DC220V; Ui:690V; Uimp:4kV

Undervoltage Release(MN3MS1)(Us):AC220/230/240V; AC380/400/415V;  
50/60Hz; Ui:690V; Uimp:4kV

**Motor operating mechanism(CD3MS1-A2)(Us):**

AC110/220V; AC230/240V; AC380/400/415V; 50/60Hz; DC110/220V;  
DC230/240V; Ui:690V; Uimp:4kV

**Auxiliary Switch(OF3M40) or Alarm Contact Circuits(SD3MS1):**

1N01NC; 2N02NC; 3N03NC; 4N04NC; Ui:690V; Uimp:4kV; Ith=5A; 50/60Hz;  
AC-15: AC380/400/415V/0.3A; DC-13: DC110/220/250V/0.15A

ANLAGE (Appendix): 1