

Zertifikat *Certificate*

Zertifikatsnummer Certificate No.:

R 50673652 0001

Berichtsnummer Report No.:

CN25Y3LP 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: <i>Product:</i>	Residual Current Operated circuit-breakers (MCCB with CBRs)
Modell: <i>Type:</i>	Modelle sind auf nächste(r) Seite(n) gelistet <i>Type designation(s) are listed on the next page(s)</i>
Technische Daten: <i>Technical Data:</i>	Technische Daten auf nächste(r) Seite(n) gelistet Technical Data is listed on the next page(s)

Gültig ab: 2025-05-07

Valid from:
Zertifizierungsstelle:
Certification body:
Ausstellungsdatum: 2025-05-07

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.

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Produkt Product: Residual Current Operated circuit-breakers
(MCCB with CBRs)

Modell Type: Bezeichnung Designation:

Type Designation: TGM3Lx-630ya/bcdefg (TENGEN (Logo))
(x=Blank, A; y=L, M, H; a=Blank, P, Z; b=3, 3N, 4; c=2, 3; d=00, 08,
10, 20, 21, 30, 40, 41, 50, 51, 52, 70, 71, 18, 38, 48, 28, 78, 55, 58;
e=Blank, 2; f=A, B, C, D; g=Blank, I, II)

Selectivity Category : A

Reference Temperature : +40°C

Rated Operational Current(In): 400/500/600/630A

Rated Operational Voltage(Ue): AC380/400/415V

Number of Poles : 3P, 3P+N, 4P

Rated Frequency(fn) : 50/60Hz

Rated Insulation Voltage(Ui) : 1000V

Method of Operation : Functionally Dependent of Line Volatage

Breaking Capacity Level : L, M, H

Rated Instantaneous Short-circuit Current Setting:(Ii):

6-10In(Power distribution), 12In(Motor protection)

Rated Ultimate Short-circuit Breaking Capacity(Icu):

Ue/AC415V: 50kA(b=L), 70kA(b=M), 100kA(b=H)

Rated Service Short-circuit Breaking Capacity(Ics):

Ue/AC415V: 50kA(b=L), 70kA(b=M), 70kA(b=H)

Classification According to Behaviour in Presence DC Component of CBRs:

Type AC or Type A

Rated Residual Operating Current(IΔn):

Time-delay adjustable (Type AC/Type A) : 0.05/0.1/0.2/0.3/0.5/0.8/1A/OFF,

Non-time-delay adjustable (Type AC/Type A): 0.05/0.1/0.2/0.3/0.5/0.8/1A/OFF,

Time-delay adjustable (Type A) : 1/3/5/10/30A/OFF,

Non-time-delay adjustable (Type A) : 1/3/5/10/30A/OFF,

Non-time-delay(Type A or Type AC) : 30mA

Limiting Non-actuating Time : 0.3s(Non-time-delay)

Limiting Non-actuating Time: 0.1/0.2/0.4/0.5/1s/OFF(Time-delay adjustable)

Conventional Free Air Thermal Current(Ith) : 630A

Rated residual making and breaking capacity IΔm(A) : 25%Icu

Rated Impulse Withstand Voltage : 8kV

Pollution Degree : 3

Rated Duty : Uninterrupted work

Suitability for Using in IT System : Yes

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

Method of Installation : Fixed, Plug-in

Anlage(Appendix) : 1