

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

Circuit-Breakers

Name and address of the applicant

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

Name and address of the manufacturer

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

Name and address of the factory

Zhejiang Tengen Electric Co.,Ltd
No.288 Central Avenue, Development Zone, 325600 Yueqing City
Zhejiang, China*When more than one factory*☐ Additional information on page 2

Ratings and principal characteristics

Product data

Ratings: Ue: 230 / 240 / 380 / 400 / 415 Vac, Ui: 1000 V, Uimp: 12 kV,
50 / 60 Hz, 3P and 4P (N pole with overcurrent protection)

Product data – type TGM1N-400L

In: 250 A, 280 A, 300 A, 315 A, 320 A, 350 A, 380 A, 400 A; Icu: 70 kA at
230 / 240 Vac, 40 kA at 380 / 400 / 415 Vac; Ics: 100% Icu

Product data – type TGM1N-400M

In: 250 A, 280 A, 300 A, 315 A, 320 A, 350 A, 380 A, 400 A; Icu: 70 kA at
230 / 240 Vac, 50 kA at 380 / 400 / 415 Vac; Ics: 100% Icu

Product data – type TGM1N-630L

In: 400 A, 450 A, 500 A, 550 A, 600 A, 630 A; Icu: 70 kA at 230 / 240 Vac,
40 kA at 380 / 400 / 415 Vac; Ics: 100% Icu

Product data – type TGM1N-630M

In: 400 A, 450 A, 500 A, 550 A, 600 A, 630 A; Icu: 70 kA at 230 / 240 Vac,
50 kA at 380 / 400 / 415 Vac; Ics: 100% Icu

Trademark / Brand (if any)

TENGEN

Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

TGM1N-400L, TGM1N-400M, TGM1N-630L and TGM1N-630M

Additional information

☒ Additional information on page 2

A sample of the product was tested and found to be in conformity with

IEC 60947-2:2024 and IEC 60947-1:2020

As shown in the Test Report Ref. No. which forms part of this Certificate

3334776.50

This CB Test Certificate is issued by the National Certification Body

DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
Netherlands

Date: 2025-10-15

Signature: May Liu

**IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT
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Suitability for isolation: Suitable

Selectivity category: A

Details of minimum distance between circuit-breaker and earthed metal parts: Front / Back: 0 mm,
Left / Right: 50 mm, Up / Down: 100 mm

Reference temperature for non-compensated thermal releases: 40 °C or 55 °C

Method of installation: Fixed

Electromagnetic compatibility (EMC) Environment A or B: A and B

Tightening torque for the circuit-breaker terminals: M10 / 22 Nm

Identification of line and load terminals: Line and load are marked

Shunt release: AC: 220 / 230 / 240 V, 380 / 400 / 415 V, 50 / 60 Hz, DC: 24 V

Additional information

Nomenclature breakdown:

TG M 1N - 630 L / 4 3 10 C

a b c d e f g h i

a: Enterprise code

b: Moulded case circuit breaker

c: Design code

d: Frame current: '630' means 630 A, '400' means 400 A

e: Breaking capacity level: 'L' means standard type, 'M' means high-breakdown type

f: Number of poles: 3 or 4

g: Complex tripper type

h: Shunt release

i: N pole with protection

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