

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: 8 kV,
In: 100 A, 125 A, 140 A, 150 A, 160 A, 170 A, 180 A, 200 A, 225 A, 250 A,
50 / 60 Hz

3P and 4P (N pole with overcurrent protection)

Ics: 50 kA at 230 / 240 Vac, 35 kA at 380 / 400 / 415 Vac

Product data – type TGM1N-250L

Icu: 50 kA at 230 / 240 Vac, 35 kA at 380 / 400 / 415 Vac

Product data – type TGM1N-250M

Icu: 50 kA at 230 / 240 Vac, 50 kA at 380 / 400 / 415 Vac

Trademark / Brand (if any)

TENGEN

Customer's Testing Facility (CTF) Stage used

TGM1N-250L and TGM1N-250M

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

3334774.50

This CB Test Certificate is issued by the National Certification Body

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

Date: 2025-09-26

 

Signature: Massimiliano Triulzi

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Additional information

Suitability for isolation: Suitable

Selectivity category: A

Details of minimum distance between circuit-breaker and earthed metal parts: Front / Back: 0 mm,
Left / Right: 25 mm, Up / Down: 50 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: M8 / 12 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 - 250 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: 250 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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