



Ref. Certif. No.

CN47950

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

**CB TEST CERTIFICATE**

Product

Moulded Case Circuit-breakers

Name and address of the applicant

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

Name and address of the manufacturer

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

Name and address of the factory

Zhejiang Tengen Electric Co.,Ltd.  
No.288 Central Avenue, Development Zone, Yueqing City,  
Zhejiang Province, P.R.China

*Note: When more than one factory, please report on page 2*

Ratings and principal characteristics

See the Appendix

Trademark (if any)

TENGEN

Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

TGM1N-160L/M/H/R

Additional information (if necessary may also be reported on page 2)

IEC 60947-2:2006(4th Edition) + AMD 1:2009 + AMD 2:2013

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

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

00901-CB2016CQC-073825

This CB Test Certificate is issued by the National Certification Body

**CHINA QUALITY CERTIFICATION CENTRE**

Section 9, No. 188 Nansihuan Xilu, Beijing 100070 P. R. China

Tel: +86-10-83886666 Fax: +86-10-83886282

website: <http://www.cqc.com.cn>



Date: Aug.28,2019

Signature: \_\_\_\_\_

Lu Mei

**CB 0053261**

TGM1N-160L/M/H/R

U<sub>imp</sub>:8kV;

U<sub>i</sub>:1000V;

U<sub>e</sub>:AC230/240V(Only 2P), AC380/400/415V,AC660/690V(Except 2P);

In:16A,20A,25A,32A,40A,50A,60A,63A,70A,75A,80A,100A,125A,140A,150A,160A;

Over-current release: thermal-magnetic

I<sub>cs</sub>: AC230/240V: 35kA(Type L), 50kA(Type M);

AC380/400/415V: 25kA(Type L), 35kA(Type M), 50kA(Type H), 65kA(Type R);

AC660/690V: 8kA(Type L), 8kA(Type M), 10kA(Type H), 10kA(Type R);

I<sub>cu</sub>: AC230/240V: 50kA(Type L), 70kA(Type M)

AC380/400/415V: 35kA(Type L), 50kA(Type M), 70kA(Type H), 85kA(Type R);

AC660/690V:10kA(Type L), 10kA(Type M), 10kA(Type H), 20kA(Type R);

Selectivity category: A;

50/60Hz;

Poles:2P(Only Type L/M),3P,3P+N(3 protected poles with an uninterrupted neutral pole),4P;

IP20;

Applicable for isolation(except for 3P+N);

Auxiliary contact OF-M, Alarm contact SD-M (1NO1NC,2NO2NC,4NO4NC):

U<sub>i</sub>:690V;

I<sub>th</sub>: 3A;

U<sub>e</sub>/I<sub>e</sub>:

AC-15: AC380/400/415V/0,3A;

DC-13: DC110/220/250V/0,15A;

Accessories with electronic circuits:

Undervoltage release(QT): AC220/230/240V,AC380/400/415V;

Shunt release(FT): AC220/230/240V,AC380/400/415V;

Motor operator (CD2): AC220/230/240V,AC380/400/415V

Page 1 of 1

Additional information (if necessary)

Date: Aug.28,2019

Signature:



Lu Mei