

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

## CB TEST CERTIFICATE

Product

Moulded case circuit breaker (MCCB)

Name and address of the applicant

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

Name and address of the manufacturer

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

Name and address of the factory

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

Zhejiang Tengen Electric Co., Ltd. (Yueqing Economic  
Development Zone Branch) No.288 Central Avenue Development  
Zone, Yueqing City, 325604 Zhejiang, P.R. China

Ratings and principal characteristics

In: 63/80A; 1P/2P/3P/4P; DC250V(1P), DC500V(2P),  
DC750V(3P), DC1000V(4P); Ith: 80A; Uimp:6kV;  
Ui: 1000V; Thermal magnetic release Ii:  
B-Type(Ii:6In), C-Type(Ii:12In), D-Type(Ii:17In);  
Selectivity category: A  
(for further ratings see page 2)

Trademark / Brand (if any)

TENGEN

Customer's Testing Facility (CTF) Stage used

N/A

Model / Type Ref.

TGB3-80Zxya(x=1P, 2P, 3P, 4P; y=B, C, D; a=63, 80)

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

See additional page(s) for further Additional information.

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

IEC 60947-2:2024

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

CN25G5WB 001

This CB Test Certificate is issued by the National Certification Body



TÜV Rheinland InterCert Kft., MEEI Division  
H-1143 Budapest, Gizella út 51-57., Hungary  
Web: www.tuv.com

Date: 2025-06-13

Signature:



Wencai Zhang

**Additional information :**

Intended for use :DC systems and Photovoltaic(PV) systems  
Interruption Medium :Air  
Electromagnetic Compatibility :Environment A  
Number of Poles :1P, 2P, 3P, 4P  
Rated Operation Voltage(Ue) :DC250V(1P)/DC500V(2P)/DC750V(3P)/DC1000V(4P)  
Pollution Degree :3  
Rated Duty :Uninterrupted work  
Suitability for Using in IT System:NO  
Suitability for Isolation :Yes(2P/3P/4P)  
Method of Installation :Flush-type(TH35-7.5(1.0) rail)  
Reference Calibration Temperature :+40±2°C  
Conventional Free Air Thermal Current of Frame Size(Ith):80A  
Rated Current Range of Thermo-magnetic Release(In) :63/80A  
Rated Instantaneous Short-circuit Current Setting(Ii) :  
B-Type(Ii:6In); C-Type(Ii:12In); D-Type(Ii:17In)  
Rated Ultimate Short-circuit Breaking Capacity(Icu) :  
4.5kA (y=D); 6kA (y=B, C)  
Rated Service Short-circuit Breaking Capacity(Ics):  
4.5kA (y=D); 6kA (y=B, C)

Auxiliary and control circuit parameters  
Auxiliary Switch(OF3) and Alarm Contact Circuits(SD3):  
1NO1NC; Ui:690V; Ith=6A; Uimp:2.5kV;  
AC-12:Ue/Ie:AC415V/3A, AC240V/6A;  
DC-12:Ue/Ie:DC130V/1A, DC48V/2A, DC24V/6A

Shunt Release(MX3):  
50/60Hz; Us: AC110-415V; DC24V, DC48V, DC110-230V; Ui:690V; Uimp:2.5kV