

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

CB TEST CERTIFICATE

Product

Moulded Case Circuit Breaker

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: 250A, 315A, 350A, 400A, 500A, 630A;
Ii: AC:5In to 10In for power distribution,
AC:7In to 12In for motor protection,
Uimp: 12kV; Ui: 1250V; Selectivity Category: A
(for further ratings see page 2)

Trademark / Brand (if any)

Tengen (Logo)

Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

TGM5-abc/defgh (a=400,630; b=C,L,M,H,S; c=Blank,P,Z;
d=3,3N,4; e=2,3; f=00,08,10,30,20,21,22,23,18,
38,28,68,67,66,40,41,42,43,70,71,72,73,48,
47,46,45,78,77,76,75; g=Blank,2; h=A,B,C,D)

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 60947-2:2016+A1

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

CN23FGNZ 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: 2024-03-13

Signature:



Wencai Zhang

Additional information :

Interruption Medium :Air
 Electromagnetic Compatibility :Environment A
 Number of Poles :3P, 3N, 4P
 Number of Protection Poles :3, 3, 4
 Rated Operation Voltage (Ue) :AC380/400/415V;
 AC500/550V;
 AC660/690V
 Rated Frequency :50/60Hz
 Rated Current of Construction Breaks (Inm) :400A, 630A
 Conventional Free Air Thermal Current of Frame Size (Ith) :630A
 Breaking Capacity Level :C, L, M, H, S
 Rated Current Range of Thermo-magnetic Release (In) :
 Inm:400A:250/315/350/400A, Inm:630A:400/500/630A
 Current Setting of Adjustable Overload Release (Ir) :0.8 to 1.0In
 Rated Instantaneous Short-circuit Current Setting (Ii) :
 5-10In (Power distribution), 7-12In (Motor protection)
 Rated Ultimate Short-circuit Breaking Capacity (Icu) :
 Ue:=AC415V: 36kA (b=C), 50kA (b=L), 85kA (b=M), 100kA (b=H), 150kA (b=S);
 Ue:=AC550V: 25kA (b=C), 50kA (b=L), 50kA (b=M), 70kA (b=H), 70kA (b=S);
 Ue:=AC690V: 10kA (b=C), 10kA (b=L), 20kA (b=M), 25kA (b=H), 35kA (b=S)
 Rated Service Short-circuit Breaking Capacity (Ics) :
 Ue:=AC415V: 36kA (b=C), 50kA (b=L), 85kA (b=M), 100kA (b=H), 150kA (b=S);
 Ue:=AC550V: 25kA (b=C), 50kA (b=L), 50kA (b=M), 70kA (b=H), 70kA (b=S);
 Ue:=AC690V: 10kA (b=C), 10kA (b=L), 20kA (b=M), 25kA (b=H), 35kA (b=S)
 Pollution Degree :3
 Rated Duty :8 hours
 Suitability for Using in IT System :Yes
 Suitability for Isolation :Yes (3P; 4P)
 Method of Installation :Fixed, Plug-in
 Auxiliary and control circuit parameters
 Shunt release :Us: AC220/230V, AC380/400V, DC24V
 Undervoltage release :Us: AC220/230V, AC380/400V, 50/60Hz
 Auxiliary switch or alarm contact circuits : NO or NC, Ui:690V, Ith=3A,
 AC-15:AC400V/1.5A, DC-13: DC220V/0.15A