

## 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: 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A, 125A;  
Ii: AC:10In for power distribution,  
AC:12In for motor protection,  
Uimp: 8kV; Ui: 1000V; 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.

TxMy-abc/defgh (x=G,e; y=5,7; a=125; 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

CN24NU67 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: 2024-09-14

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) :125A  
Conventional Free Air Thermal Current of Frame Size (Ith):125A  
Breaking Capacity Level :C, L, M, H, S  
Rated Current Range of Thermo-magnetic Release (In) :  
Inm:125A:16/20/25/32/40/50/63/80/100/125A  
Current Setting of Adjustable Overload Release (Ir):0.8 to 1.0In  
Rated Instantaneous Short-circuit Current Setting (Ii) :  
10In (Power distribution), 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), 65kA (b=H), 65kA (b=S) ;  
Ue:=AC690V: 8kA (b=C), 10kA (b=L), 10kA (b=M), 12kA (b=H), 12kA (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), 65kA (b=H), 65kA (b=S) ;  
Ue:=AC690V: 8kA (b=C), 10kA (b=L), 10kA (b=M), 12kA (b=H), 12kA (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