



Ref. Certif. No.

HU-005563

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

CB TEST CERTIFICATE

Product

MCCB with CBRs

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: 100/125/140/150/160/170/180/200/225/250A; 50/60Hz;
3P/3N(3P+N)/4P; Ith: 250A; Ue: AC380/400/415V; Uimp:8kV;
Ui: 1000V; Thermal magnetic or magnetic release Ii:
AC:6-10In(power distribution), AC:12In(motor protection);
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.

TGM3Lx-250ya/bcdefg
(x=Blank, A; y=C, L, M, H; a=Blank, P, Z; b=3, 3N, 4;
c=2, 3; d=00, 08, 10, 20, 21, 30, 40, 41, 50, 51, 52,
70, 71, 18, 38, 48, 28, 78, 55, 58; e=Blank, 2;
f=A, B, C, D; g=Blank, I, II)

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

CN25GQS1 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: 2025-05-07

Signature: Wencai Zhang

10/061SMD 2024-12 rke-simplified

Additional information :

Interruption Medium :Air
 Electromagnetic Compatibility :Environment A
 Number of Poles :3P, 3P+N, 4P
 Number of Protection Poles :3, 3, 4
 Rated Operation Voltage (Ue) :AC380/400/415V
 Rated Frequency :50/60Hz
 Conventional Free Air Thermal Current of Frame Size (Ith) :250A
 Breaking Capacity Level :C, L, M, H
 Rated Current Range of Thermo-magnetic or Magnetic Release (In) :
 100/125/140/150/160/170/180/200/225/250A
 Rated Instantaneous Short-circuit Current Setting (Ii) :
 6-10In (Power distribution), 12In (Motor protection)
 Rated Ultimate Short-circuit Breaking Capacity (Icu) :
 Ue/AC415V: 36kA (b=C), 50kA (b=L), 70kA (b=M), 100kA (b=H)
 Rated Service Short-circuit Breaking Capacity (Ics) :
 Ue/AC415V: 36kA (b=C), 50kA (b=L), 70kA (b=M), 70kA (b=H)
 Classification According to Behaviour in Presence of DC Component of CBRs :
 Type AC or Type A
 Rated Residual Operating Current (IΔn) :
 Time-delay or Non-time-delay (Type AC and Type A) :50/100/200/300/500/800/1000mA/OFF
 (Each four step adjustable),
 Time-delay or Non-time-delay (Type AC) :0.3/0.5/0.8/1/3/5/10A/OFF
 (Each four step adjustable),
 Non-time-delay (Type A or Type AC) :30mA
 Limiting Non-actuating Time:
 Non-time-delay:0.3s,
 Time-delay: 0.1/0.2/0.4/0.5/1s/OFF (Each four step adjustable)
 Maximum Break Time Under Limiting Non-actuating Time:
 0.5/0.6/0.8/1/2s (IΔn), 0.5/0.6/0.8/1/2s (2IΔn)
 0.3/0.4/0.6/0.8/1.8s (5IΔn), 0.3/0.4/0.6/0.8/1.8s (10IΔn)
 Rated residual making and breaking capacity IΔm (A) :25%Icu
 Pollution Degree :3
 Rated Duty :Uninterrupted work
 Suitability for Using in IT System :Yes
 Suitability for Isolation :Yes (3P and 4P)
 Method of Installation :Fixed, Plug-in

 Auxiliary and control circuit parameters
 Auxiliary Switch (OF3M12) and Alarm Contact Circuits (SD3M12) :
 1NO1NC, 2NO2NC; Ui:690V; Ith=5A; Uimp:4kV; AC-15:AC380/400/415V/0.3A; DC-13:
 DC110/220/250V/0.15A
 Shunt Release (MX3M12) :
 50/60Hz; Us: AC220/230/240V; AC380/400/415V; DC110V; DC220V; DC24V; Ui:690V;
 Uimp:4kV
 Undervoltage Release (MN3M12) :
 50/60Hz; Us: AC220V/230/240V; AC380/400/415V; Ui:690V; Uimp:4kV
 Motor Charge and Storage Mechanism (CD3M12) :
 50/60Hz; Us: AC110/220V; AC230/240V; AC380/400/415V; DC110/220V; DC230/240V;
 Ui:690V; Uimp:4kV



Date: 2025-05-07

Signature:

as on page 1