



Ref. Certif. No.

SG PSB-PW-00037

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 325604 Yueqing City PEOPLE'S REPUBLIC OF CHINA
Name and address of the manufacturer	Zhejiang Tengen Electric Co., Ltd. Sulv Industrial Area, Liushi Town, 325604 Yueqing City, PEOPLE'S REPUBLIC OF CHINA
Name and address of the factory	Zhejiang Tengen Electric Co., LTD (Yueqing Economic Development Zone Branch) No.288 Central Avenue Development Zone, 325604 Yueqing City, Zhejiang, PEOPLE'S REPUBLIC OF CHINA
Ratings and principal characteristics	Details please see page 2 to 3
Trademark / Brand (if any)	TENGEN
Model/type Ref.	TeM7E-125, TeM7E-160, TeM7E-250
A sample of the product was tested and found to be in conformity with	IEC 60947-1:2007 IEC 60947-1:2007/AMD1:2010 IEC 60947-1:2007/AMD2:2014 IEC 60947-2:2016 IEC 60947-2:2016/AMD1:2019
as shown in the Test Report Ref. No. which forms part of this certificate	250FYY39008

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This CB Test Certificate is issued by the National Certification Body

CBS 105620 0042 Rev. 00

Date, 2025-08-05

(Hongbo Zhu)

TÜV SÜD PSB Pte Ltd

15 International Business Park TÜV SÜD @ IBP

Singapore 609937



PSB Singapore

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Trademark / Brand (Image)


Ratings and principal characteristics

Rated impulse withstand voltage (U_{imp}):	8kV
Rated insulation voltage (U_i):	800V
Rated operational voltage (U_e):	AC380V/AC400V/AC415V, AC500V/AC550V, AC660V/AC690V
Rated frequency:	50/60Hz
Rated current (I_n):	50A, 56A, 63A, 70A, 75A, 80A, 90A, 100A, 112A, 125A (adjustable, for model TeM7E-125); 63A, 70A, 75A, 80A, 90A, 100A, 112A, 125A, 140A, 160A (adjustable, for model TeM7E-160); 100A, 112A, 125A, 140A, 150A, 160A, 180A, 200A, 225A, 250A (adjustable, for model TeM7E-250)
Rated service short-circuit breaking capacity (I_{cs}):	See below table 1
Rated ultimate short-circuit breaking capacity (I_{cu}):	See below table 1
Selectivity category:	A
Type of overcurrent release:	Electronic
Number of poles:	3P, 3P+N (3 protected pole, non-switched N pole), 4P, 4P (3 protected pole, switched N pole)
Suitable for isolation:	Yes, except 3P+N products
Suitable for IT system:	Yes
Information of attached accessories:	Auxiliary / alarm contacts matched: 1NO1NC, 2NO2NC U_i : 400V, U_{imp} : 4kV, I_{th} : 3A AC-15: AC400V/1.5A; DC-13: DC220V/0.15A Electrical operator: U_i : 400V, U_{imp} : 4kV, U_s : DC24V, DC110V, DC220V; AC110V, AC230V, AC400V, 50/60Hz Shunt release: U_i : 400V, U_{imp} : 4kV, U_s : DC24V, DC48V, DC110V, DC220V; AC220/230V, AC380/400V, 50/60Hz Undervoltage release: U_i : 500V, U_{imp} : 6kV, U_s : AC220/230V, AC380/400V, 50/60Hz

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Table 1:

U _e	I _{cs} =I _{cu} , relate to breaking capacity type				
	L	M	H	S	R
AC380V/400V/415V	50kA	85kA	100kA	150kA	160kA
AC500V/550V	50kA	50kA	70kA	70kA	85kA
AC660V/690V	20kA	20kA	40kA	40kA	50kA



(Hongbo Zhu)