



Product Service

# CERTIFICATE

No. B 105620 0034 Rev. 00

**Holder of Certificate:** Zhejiang Tengen Electric Co., Ltd.  
Sulv Industrial Area, Liushi Town  
325604 Yueqing City  
PEOPLE'S REPUBLIC OF CHINA

**Certification Mark:**



**Product:** Moulded case circuit breaker

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the Testing, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 874102500526-00

**Valid until:** 2030-04-14

**Date,** 2025-04-15

( Hongbo Zhu )

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**Model(s):** **TeM7E-125, TeM7E-160, TeM7E-250**

## Parameters:

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 ( $I_n$ ):	TeM7E-125: 50A, 56A, 63A, 70A, 75A, 80A, 90A, 100A, 112A, 125A (adjustable); TeM7E-160: 63A, 70A, 75A, 80A, 90A, 100A, 112A, 125A, 140A, 160A (adjustable) TeM7E-250: 100A, 112A, 125A, 140A, 150A, 160A, 180A, 200A, 225A, 250A (adjustable)
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 Shunt release: $U_i$ : 400V, $U_{imp}$ : 4kV, $U_s$ : DC24V, DC48V, DC110V, DC220V, AC220/230V, AC380/400V Undervoltage release: $U_i$ : 500V, $U_{imp}$ : 6kV, $U_s$ : AC220/230V, AC380/400V 50/60Hz for AC



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Table 1:

U <sub>e</sub>	I <sub>cs</sub> =I <sub>cu</sub> , 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

**Tested according to:** EN 60947-2:2017/A1:2020