



Product Service

# Attestation of Conformity

No. N8A 105620 0054 Rev. 00

**Holder of Attestation:** **Zhejiang Tengen Electric Co., Ltd.**

Sulv Industrial Area, Liushi Town  
325604 Yueqing City  
PEOPLE'S REPUBLIC OF CHINA

**Product:** **Contactors**  
**AC contactors**

This Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for conformity assessment. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 874102505127-00

**Date,** 2025-12-18

( Hongbo Zhu )

Page 1 of 4

This Attestation does not replace the regulatory EU Declaration of Conformity (DoC) and does not allow for CE marking. After preparation of the necessary documentation and establishing compliance to requirements of all applicable directives, the manufacturer may sign a DoC and apply the CE marking. The DoC is issued under the sole responsibility of the manufacturer.



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## Model(s):

**TGCx-09yyz, TGCx-12yyz, TGCx-18yyz**  
**‘x’ may be 1, G, JH, K stands for product code.**  
**‘yy’ may be 10, 01 or Omit stands for auxiliary contacts;**  
**10 means one normal open auxiliary contract,**  
**01 means one normal close auxiliary contract.**  
**‘z’ may be N or Blank stands for contractor type;**  
**N means reversible contactor,**  
**Blank means ordinary contactor.**

## Parameters:

### Main circuits:

Rated insulation voltage $U_i$ :	690V
Rated impulse withstand voltage $U_{imp}$ :	6kV
Rated operational voltage $U_e$ :	AC220V/230V, AC380V/400V, AC660V/690V
Rated frequency:	50/60Hz
Rated operational current $I_e$ :	See table 1
Utilization category:	See table 1
Conventional free air thermal current $I_{th}$ :	20A (for TGCx-09yyz, TGCx-12yyz), 25A (for TGCx-18yyz)
Rated conditional short-circuit current $I_q$ :	50kA
Type of co-ordination:	Type 2
Number of poles:	3P
Pollution degree:	3
Protection degree:	IP20 (after installation)

Page 2 of 4

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Suitable for isolation:	Not suitable
Coil insulation class:	Class H
Rated control circuit supply voltage $U_s$ :	AC24V, AC36V, AC48V, AC110V, AC220V, AC380V, AC400V, AC415V, 50Hz, 50/60Hz
<b>Auxiliary circuits:</b>	
Rated insulation voltage $U_i$ :	690V
Rated impulse withstand voltage $U_{imp}$ :	6kV
Conventional free air thermal current $I_{th}$ :	10A
Rated operational voltage $U_e$ :	AC220/230V, AC380/400V, DC220V
Rated operational current $I_e$ :	1.6A (for AC220/230V), 0.95A (for AC380/400V); 0.15A for (DC220V)
Utilization category:	AC-15, DC-13
Rated conditional short-circuit current:	1000A

Table 1: rated parameters

Models	Utilization category	$U_e$	$I_e$
TGCx-09yy	AC-3	AC220/230V, AC380/400V	9A
		AC660/690V	6.6A
	AC-4	AC220/230V, AC380/400V	3.5
		AC660/690V	1.5
	AC-1	AC220/230V, AC380/400V	20
TGCx-12yy	AC-3	AC220/230V, AC380/400V	12
		AC660/690V	8.9
	AC-4	AC220/230V, AC380/400V	5
		AC660/690V	2
	AC-1	AC220/230V, AC380/400V	20

Page 3 of 4

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Continuous

Models	Utilization category	U <sub>e</sub>	I <sub>e</sub>
TGCx-18yy	AC-3	AC220/230V, AC380/400V	18
		AC660/690V	12
	AC-4	AC220/230V, AC380/400V	7.7
		AC660/690V	3.8
	AC-1	AC220/230V, AC380/400V	25
TGCx-09yyN	AC-4	AC220/230V, AC380/400V	3.5
		AC660/690V	1.5
	AC-1	AC220/230V, AC380/400V	20
TGCx-12yyN	AC-4	AC220/230V, AC380/400V	5
		AC660/690V	2
	AC-1	AC220/230V, AC380/400V	20
TGCx-18yyN	AC-4	AC220/230V, AC380/400V	7.7
		AC660/690V	3.8
	AC-1	AC220/230V, AC380/400V	25

**Tested  
according to:**

EN IEC 60947-4-1:2025  
EN IEC 60947-5-1:2025

Page 4 of 4

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