



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

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.

Attestation of Conformity

No. N8A 105620 0054 Rev. 00

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 contact.

'z' may be 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

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.

Attestation of Conformity

No. N8A 105620 0054 Rev. 00

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
Auxiliary circuits:	
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
TGCx-12yy	AC-1	AC220/230V, AC380/400V	20
		AC220/230V, AC380/400V	12
	AC-3	AC660/690V	8.9
		AC220/230V, AC380/400V	5
	AC-4	AC660/690V	2
		AC220/230V, AC380/400V	20

Page 3 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.

Attestation of Conformity

No. N8A 105620 0054 Rev. 00

Continuous

Models	Utilization category	U_e	I_e	
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	
	AC-4	AC220/230V, AC380/400V	3.5	
TGCx-09yyN		AC660/690V	1.5	
		AC220/230V, AC380/400V	20	
TGCx-12yyN	AC-4	AC220/230V, AC380/400V	5	
		AC660/690V	2	
	AC-1	AC220/230V, AC380/400V	20	
	AC-4	AC220/230V, AC380/400V	7.7	
TGCx-18yyN		AC660/690V	3.8	
		AC220/230V, AC380/400V	25	

Tested

according to:

EN IEC 60947-4-1:2025

EN IEC 60947-5-1:2025

Page 4 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.