



Product Service

Attestation of Conformity

No. N8A 105620 0047 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.: 874102503237-00

Date, 2025-08-22

(Hongbo Zhu)

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Model(s):	<p>TGCx-yyM/zz/gg/h/k, TGCx-yyM zz gg h k</p> <p>‘x’ means product code, can be 1, A</p> <p>‘yy’ means rated operational current for AC-3 at 380/400V, can be 06, 09, 12, 16;</p> <p>06 means 6A,</p> <p>09 means 9A,</p> <p>12 means 12A,</p> <p>16 means 16A.</p> <p>‘zz’ means contact form, can be 04, 08 or Blank;</p> <p>04 means four normal open,</p> <p>08 means two normal open and two normal close,</p> <p>Blank means three normal open.</p> <p>‘gg’ means number of auxiliary contacts, can be Blank, 10 or 01;</p> <p>Blank means without auxiliary contract,</p> <p>10 means one normal open auxiliary contract,</p> <p>01 means one normal close auxiliary contract.</p> <p>‘h’ means coil type, can be Z or Blank;</p> <p>Z means DC coil,</p> <p>Blank means AC coil.</p> <p>‘k’ means contractor type, can be N or Blank;</p> <p>N means reversible contactor,</p> <p>Blank means ordinary contactor.</p>
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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:	AC-1, AC-3, AC-4
Conventional free air thermal current I_{th} :	20A
Rated conditional short-circuit current I_q :	50kA
Type of co-ordination:	Type 2
Number of poles:	3, 4 poles
Pollution degree:	3
Protection degree:	IP20 (after installation)
Suitable for isolation:	Not suitable
Coil insulation class:	Class F
Rated control circuit supply voltage U_s :	AC24V, AC36V, AC48V, AC110V, AC220V, AC380V, AC400V, AC415V, 50Hz; AC24V, AC36V, AC48V, AC110V, AC220V, AC250V, AC380V, AC400V, AC415V, 50/60Hz; DC12V, DC24V, DC48V, DC110V, DC220V

Auxiliary circuits:

Rated insulation voltage U_i :	690V
Rated impulse withstand voltage U_{imp} :	6kV
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

Tested according to:

EN IEC 60947-4-1:2019
EN 60947-5-1:2017

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Table 1: rated parameters

Models	Utilization category	Ue	Ie
TGCx-06M/zz/gg/h, TGCx-06M zz gg h	AC-3	AC220/230V	6A
		AC380/400V	6A
		AC660/690V	3.8A
	AC-4	AC220/230V	2.6A
		AC380/400V	2.6A
		AC660/690V	1A
AC-1	AC220/230380/400/660/690V	20A	
TGCx-09M/zz/gg/h, TGCx-09M zz gg h	AC-3	AC220/230V	9A
		AC380/400V	9A
		AC660/690V	4.9A
	AC-4	AC220/230V	3.5A
		AC380/400V	3.5A
		AC660/690V	1.5A
AC-1	AC220/230380/400/660/690V	20A	
TGCx-12M/zz/gg/h, TGCx-12M zz gg h	AC-3	AC220/230V	12A
		AC380/400V	12A
		AC660/690V	4.9A
	AC-4	AC220/230V	5A
		AC380/400V	5A
		AC660/690V	2A
AC-1	AC220/230380/400/660/690V	20A	



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TGCx-16M/zz/gg/h, TGCx-16M zz gg h	AC-3	AC220/230V	16A
		AC380/400V	16A
		AC660/690V	4.9A
	AC-4	AC220/230V	5A
		AC380/400V	5A
		AC660/690V	2A
AC-1	AC220/230380/400/660/690V	20A	
TGCx-06M/zz/gg/hN, TGCx-06M zz gg h N	AC-4	AC220/230V	2.6A
		AC380/400V	2.6A
		AC660/690V	1A
	AC-1	AC220/230380/400/660/690V	20A
TGCx-09M/zz/gg/hN, TGCx-09M zz gg h N	AC-4	AC220/230V	3.5A
		AC380/400V	3.5A
		AC660/690V	1.5A
	AC-1	AC220/230380/400/660/690V	20A
TGCx-12M/zz/gg/hN, TGCx-12M zz gg h N, TGCx-16M/zz/gg/hN, TGCx-16M zz gg h N	AC-4	AC220/230V	5A
		AC380/400V	5A
		AC660/690V	2A
	AC-1	AC220/230380/400/660/690V	20A

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