



Product Service

# CERTIFICATE

No. B 105620 0061 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:**

**Contactors  
AC contactors**

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.:** 874102505130-00

**Valid until:** 2031-01-14

**Date,** 2026-01-15

( Hongbo Zhu )

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## Model(s):

TGCx-80yyz, TGCx-95yyz

'x' may be 1, G, JH, K stands for product code.

'yy' may be 11 or Omit, stands for auxiliary contacts form;

11 means 1NO+1NC.

'z' may be N or Blank, stands for contactor 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, 2
Utilization category:	See table 1, 2
Conventional free air thermal current $I_{th}$ :	110A
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)
Suitable for isolation:	Not suitable
Coil insulation class:	Class B
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

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Conventional free air thermal

current  $I_{th}$ : 10A  
 Rated operational voltage  $U_e$ : AC380V, DC220V  
 Rated operational current  $I_e$ : 0.95A (for AC380V), 0.15A (for DC220V)  
 Utilization category: AC-15, DC-13  
 Rated conditional short-circuit current: 1000A

Table 1: ratings of TGCx-80yyz series

Models	Utilization category	$U_e$	$I_e$
TGCx-80yy	AC-3	AC220/230V	80A
		AC380/400V	80A
		AC660/690V	49A
TGCx-80yy TGCx-80yyN	AC-4	AC220/230V	37A
		AC380/400V	37A
		AC660/690V	17.3A
	AC-1	AC220/230V	110A
		AC380/400V	110A
		AC660/690V	110A

Table 2: ratings of TGCx-95yyz series

Models	Utilization category	$U_e$	$I_e$
TGCx-95yy	AC-3	AC220/230V	95A
		AC380/400V	95A
		AC660/690V	49A
TGCx-95yy TGCx-95yyN	AC-4	AC220/230V	44A
		AC380/400V	44A
		AC660/690V	21.3A
	AC-1	AC220/230V	110A
		AC380/400V	110A
		AC660/690V	110A

**Tested according to:** EN IEC 60947-4-1:2025  
 EN IEC 60947-5-1:2025