



Product Service

Attestation of Conformity

No. N8A 105620 0058 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.: 874102505129-00

Date, 2026-01-12

(Hongbo Zhu)

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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-40yyz, TGCx-50yyz, TGCx-65yyz

‘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, 3 |
| Utilization category: | See table 1, 2, 3 |
| Conventional free air thermal current I_{th} : | 50A (for TGCx-40yyz), 60A (for TGCx-50yyz), 80A (for TGCx-65yyz) |
| 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, AC480V; 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 |

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Rated operational voltage U_e : AC220V, AC380V, DC220V
 Rated operational current I_e : 1.6A (for AC220V), 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-40yyz series

| Models | Utilization category | U_e | I_e |
|-------------------------|----------------------|------------|-------|
| TGCx-40yy | AC-3 | AC220/230V | 40A |
| | | AC380/400V | 40A |
| | | AC660/690V | 34A |
| TGCx-40yy TGCx-40yyN | AC-4 | AC220/230V | 18.5A |
| | | AC380/400V | 18.5A |
| | | AC660/690V | 9A |
| | AC-1 | AC220/230V | 50A |
| | | AC380/400V | 50A |
| | | AC660/690V | 50A |

Table 2: ratings of TGCx-50yyz series

| Models | Utilization category | U_e | I_e |
|-------------------------|----------------------|------------|-------|
| TGCx-50yy | AC-3 | AC220/230V | 50A |
| | | AC380/400V | 50A |
| | | AC660/690V | 39A |
| TGCx-50yy TGCx-50yyN | AC-4 | AC220/230V | 24A |
| | | AC380/400V | 24A |
| | | AC660/690V | 12A |
| | AC-1 | AC220/230V | 60A |
| | | AC380/400V | 60A |
| | | AC660/690V | 60A |

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Table 3: ratings of TGCx-65yyz series

| Models | Utilization category | U _e | I _e |
|-------------------------|----------------------|----------------|----------------|
| TGCx-65yy | AC-3 | AC220/230V | 65A |
| | | AC380/400V | 65A |
| | | AC660/690V | 42A |
| TGCx-65yy TGCx-65yyN | AC-4 | AC220/230V | 28A |
| | | AC380/400V | 28A |
| | | AC660/690V | 14A |
| | AC-1 | AC220/230V | 80A |
| | | AC380/400V | 80A |
| | | AC660/690V | 80A |

Tested

according to:

EN IEC 60947-4-1:2025

EN IEC 60947-5-1:2025

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