



Product Service

Attestation of Conformity

No. N8A 105620 0049 Rev. 00

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

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

Product: **Switch-disconnector**

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.: 874102502996-00

Date, 2025-10-24

(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):

TGW5FGDC-xHUy

'x' means maximum current range, can be 2500, 3200, 4000;

'y' means breaking code, can be H or omit; H stands for high short-time withstand, omit stands for normal short-time withstand

Parameters:

Rated impulse withstand voltage U_{imp} :	12kV
Rated insulation voltage U_i :	1600V
Rated operational voltage U_e :	DC1500V
Rated operational current I_e :	TGW5FGDC-2500HU, TGW5FGDC-2500HUH: 1600A, 2000A, 2500A; TGW5FGDC-3200HU, TGW5FGDC-3200HUH: 1600A, 2000A, 2500A, 2900A, 3200A; TGW5FGDC-4000HU, TGW5FGDC-4000HUH: 1600A, 2000A, 2500A, 2900A, 3200A, 3600A, 4000A
Conventional free air thermal current I_{th} :	TGW5FGDC-2500HU, TGW5FGDC-2500HUH: 2500A; TGW5FGDC-3200HU, TGW5FGDC-3200HUH: 2500A (for $I_e=1600A, 2000A, 2500A$), 4000A (for $I_e=2900A, 3200A$); TGW5FGDC-4000HU, TGW5FGDC-4000HUH: 4000A
Utilization category:	DC-22A, DC-23A, DC-PV2
Number of poles:	2P appearance
Rated short-time withstand current I_{cw} :	TGW5FGDC-2500HU, TGW5FGDC-3200HU, TGW5FGDC-4000HU: 100kA/1s, 150kA/0.2s; TGW5FGDC-2500HUH, TGW5FGDC-3200HUH, TGW5FGDC-4000HUH: 100kA/1s, 165kA/0.2s
Rated short-circuit making capacity I_{cm} :	100kA
Degree of protection:	IP40 on operation panel, after installation
Suitability for isolation:	Yes
Information of matched auxiliary contacts:	4NO4NC U_i : 690V, U_{imp} : 6kV, I_{th} : 6A; AC-15: AC400V/0.9A, AC230V/1.5A; DC-13: DC220V/0.27A, DC110V/0.55A

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Remark:

$U_{imp}=15kV$ is additionally evaluated according to IEC TS 62993:2017 and IEC 60664-1:2020. When installing / inserting with the equipment, all requirements of the mentioned test standard shall be fulfilled.

**Tested
according to:**

EN IEC 60947-3:2021
EN IEC 60947-1:2021

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