



Product Service

Attestation of Conformity

No. N8A 105620 0044 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.: 874102502908-00

Date, 2025-07-16

(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-1600HU, TGW5FGDC-2500HU

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-1600HU: 800A, 1000A, 1250A, 1600A;
TGW5FGDC-2500HU: 800A, 1000A, 1250A, 1600A,
2000A, 2500A

Conventional free air thermal

current I_{th} : 1600A (for $I_n=800A$ to 1600A),
2500A (for $I_n=2000A$, 2500A)

Utilization category: DC-22A, DC-23A, DC-PV2

Number of poles: 2P appearance

Rated short-time withstand

current I_{cw} : 85kA/1s, 120kA/0.2s

Rated short-circuit making

capacity I_{cm} : 85kA

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

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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