



Product Service

CERTIFICATE

No. B 105620 0043 Rev. 01

Holder of Certificate: Zhejiang Tengen Electric Co., Ltd.
Sulv Industrial Area, Liushi Town
325604 Yueqing City
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product: Switch-disconnector

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

Test report no.: 874102502908-01

Valid until: 2030-10-20

Date, 2025-10-21

(Hongbo Zhu)



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Model(s): TGW5FGDC-1600HU, TGW5FGDC-2500HU,
TGW5FGDC-1600HUH, TGW5FGDC-2500HUH

Parameters:

| | |
|--|---|
| Rated impulse withstand voltage U_{imp} : | 12kV |
| Rated insulation voltage U_j : | 1600V |
| Rated operational voltage U_e : | DC1500V |
| Rated operational current I_e : | TGW5FGDC-1600HU, TGW5FGDC-1600HUH: 800A, 1000A, 1250A, 1600A; TGW5FGDC-2500HU, TGW5FGDC-2500HUH: 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} : | TGW5FGDC-1600HU, TGW5FGDC-2500HU: 85kA/1s, 120kA/0.2s; TGW5FGDC-1600HUH, TGW5FGDC-2500HUH: 85kA/1s, 150kA/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_j : 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