Certificate Number: AZ 69027684 Page: 0001

CERTIFICATE OF APPROVAL

Authorised marking: TUV-027684-EA

TÜV Rheinland Australia Pty Ltd "Electrical Product Safety Certification (EPSC) Scheme", accredited by JAS-ANZ in accordance with ISO/IEC 17065, has issued this certificate under the Gas and Electricity (Consumer safety) Act 2017 as a declared Recognised External Approval Scheme (REAS). The electrical equipment described hereunder has been evaluated and found to be electrically safe at the time of certification. It is a requirement that all equipment supplied under this certificate shall be identical to the equipment as certified. The certificate holder shall place the above mentioned authorised marking on the product. The certificate holder may use the Regulatory Compliance Mark (RCM) provided all the requirements of AS/NZS 4417.1 & AS/NZS 4417.2 applicable to the article are fulfilled.

CERTIFICATE HOLDER:

Zhejiang Tengen Electric Co., Ltd.
Sulv Industrial Area,
Liushi Town, Yueqing City,
325604 Zhejiang
P.R. China

DESCRIPTION OF EQUIPMENT

Declared class:	DC ISOLATOR
Product:	PV Switch - Disconnector
Trade Name / Manufacturer:	Tengen
Model Number:	TGHX3S-63P/4M ; TGHX3S-63P/3M Uimp = 8kV, Ui =1100V, DC-PV1, DC-PV2, DC-21B,
Ratings:	40°C to +85°C; Ith:63A; Uimp:8kV; Icw:0.76kA/1s; Icm:1.4kA; I(make)/Ic(break) = 4 x Ie; No polarity; For ratings refer to CONTINUATION SHEET 1 and 2
Standard:	AS 60947.3:2018 AS/NZS IEC 60947.1:2015
Issue Date:	20/12/2023
Expiry Date:	20/12/2028

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

Grant Li

www.jas-anz.org\register

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Certificate Number: AZ 69027684 Page: 0002

CERTIFICATE OF APPROVAL

Authorised marking: TUV-027684-EA

CONTINUATION SHEET 1

DESCRIPTION OF EQUIPMENT

Ratings:

Model: TGHX3S-63P/4M:
Ue = 600Vdc, Ie = 50A (DC-PV1 and DC-21B)
Ue = 480Vdc, Ie = 45A (DC-PV2 and DC-21B)
Ue = 600Vdc, Ie = 32A (DC-PV2 and DC-21B)
Number of poles :4 layers

Model: TGHXS-63P/3M
Ue = 1100Vdc, Ie = 23A (DC-PV1 and DC-21B)
Ue = 1000Vdc, Ie = 30A (DC-PV1 and DC-21B)
Ue = 800Vdc, Ie = 40A (DC-PV1 and DC-21B)
Ue = 600Vdc, Ie = 50A (DC-PV1 and DC-21B)
Ue = 480Vdc, Ie = 45A (DC-PV2 and DC-21B)
Ue = 600Vdc, Ie = 32A (DC-PV2 and DC-21B)
Ue = 800Vdc, Ie = 20A (DC-PV2 and DC-21B)
Ue = 1000Vdc, Ie = 12.5A (DC-PV2 and DC-21B)
Ue = 1100Vdc, Ie = 8.5A (DC-PV2 and DC-21B)
Number of poles: 3 layers

Issue Date: 20/12/2023
Expiry Date: 20/12/2028

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

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Certificate Number: AZ 69027684 Page: 0003

CERTIFICATE OF APPROVAL

Authorised marking: TUV-027684-EA

CONTINUATION SHEET 2

DESCRIPTION OF EQUIPMENT

Ratings:
Classified as:
1. Enclosed indoor without a dedicated individual enclosure
Switch body: IP20
Ithe: 63A

2. Installed within power conditioning equipment (PCE)
D.C. isolator cannot be installed within an enclosure smaller than 390mm×325mm×75mm (W x H x D). For enclosed outdoor and suitable for installation exposed to sunlight classification, d.c. isolator is required to be tested within a PCE for the minimum of the follow:
1.any IP test criteria of the d.c.isolator or the PCE.
2.Temperature rise verification with solar effects is required with the switchgear tested installed in the PCE.
3.the d.c. isolator is tested in the PCE for all the PCE related standards testing.
Ithe Solar at 40°C = 63A
Ithe Solar at 60°C = 50A

Issue Date: 20/12/2023
Expiry Date: 20/12/2028

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

Grant Li

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