



Product Service

CERTIFICATE

No. B 105620 0018 Rev. 00

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

Certification Mark:



Product: Residual Current Device with incorporated
overcurrent prot.
RCBOs

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.: 874102423303-00

Valid until: 2029-11-04

Date, 2024-11-05

(Hongbo Zhu)



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Model(s): TGB1NLE-63, TGB1NLA-63, TGB1NLG-63,
TGBGLE-63, TGBGLA-63, TGBGLG-63

Parameters:

Rated impulse withstand voltage (U_{imp}):	4kV
Rated insulation voltage (U_i):	690V
Rated voltage (U_e):	AC220V/230V/240V (1P+N, 2P), AC380V/400V/415V (3P, 3P+N, 4P)
Rated frequency:	50Hz
Rated current (I_n):	40A, 50A, 63A
Rated residual operating current ($I_{\Delta n}$):	30mA, 50mA, 75mA, 100mA, 300mA
Type of RCBO:	Type AC (for models TGB1NLE-63, TGB1NLG-63, TGBGLE-63, TGBGLG-63) Type A (for models TGBGLA-63, TGB1NLA-63)
Rated residual making and breaking capacity ($I_{\Delta m}$):	2000A
Service short-circuit capacity (I_{cs}):	6000A
Rated short-circuit capacity (I_{cn}):	6000A
Instantaneous tripping current:	Type C, Type D
Reference ambient air temperature:	30°C
Type of release:	Electronic
Method of operation:	Functionally dependent on line voltage
Number of poles:	For models TGB1NLE-63, TGB1NLA-63, TGBGLE-63, TGBGLA-63: 1P+N (1 protective pole with an uninterrupted neutral pole), 2P, 3P, 3P+N (3 protective poles with an uninterrupted neutral pole), 4P For models TGB1NLG-63, TGBGLG-63: 1P+N (1 protective pole with an uninterrupted neutral pole), 2P
Suitable for isolation:	Yes (only for 3P, 4P RCBOs)
Remark:	The use of RCBOs of type AC is not permitted in Germany.

Tested according to: EN 61009-1:2012/A13:2021