



Test Report issued under the responsibility of:



TEST REPORT
IEC 60947-2
Low-voltage switchgear and controlgear Part 2: Circuit-breakers

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CB Testing Laboratory: Shanghai Testing & Inspection Institute for Electrical Equipment (STIEE)
Address: 505 Wu Ning Rd. Shanghai 200063, P.R. CHINA

Applicant's name: Zhejiang Tengen Electrics Co., Ltd.
Address: TENGEN Industry Zone, Liushi, Yueqing City, Zhejiang Province, P.R. China

Test specification:
Standard: IEC 60947-2:2006 (Fourth Edition) + A1: 2009 + A2: 2013
Test procedure: CB scheme
Non-standard test method: N/A

Test Report Form No.: IEC60947_2G
Test Report Form(s) Originator: DEKRA Certification BV
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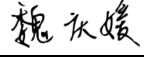
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Test item description: Moulded Case Circuit Breaker
Trade Mark: TENGEN
Manufacturer: Zhejiang Tengen Electrics Co., Ltd.
Model/Type reference: TGB3Z-63, TGB3Z-63H
Ratings: Ue: AC230V(1P), AC400V(2P,3P,4P), DC80V(1P appearance), DC125V(2P appearance)
In: 1, 2, 3, 4, 5, 6, 10, 16, 20, 25, 32, 40, 50, 63A

Testing procedure and testing location:		
<input checked="" type="checkbox"/>	CB Testing Laboratory:	Shanghai Testing & Inspection Institute for Electrical Equipment (STIEE)
Testing location/ address.....:		505 Wu Ning Rd. Shanghai 200063, P.R. CHINA
Tested by (name + signature).....:		Cui Tao 
Approved by (name + signature).....:		Wei Qingyuan 
<input type="checkbox"/>	Testing procedure: TMP	N/A
Testing location/ address.....:		N/A
Tested by (name + signature).....:		N/A
Approved by (name + signature).....:		N/A
<input type="checkbox"/>	Testing procedure: WMT	N/A
Testing location/ address.....:		N/A
Tested by (name + signature).....:		N/A
Witnessed by (name + signature)		N/A
Approved by (name + signature).....:		N/A
<input type="checkbox"/>	Testing procedure: SMT	N/A
Testing location/ address.....:		N/A
Tested by (name + signature).....:		N/A
Approved by (name + signature).....:		N/A
Supervised by (name + signature) ...:		N/A

Summary of testing:

In case of alternative test programs for circuit breakers with a different number of poles, the following program is used:

- Programme 1 (three pole fully tested)
 Programme 2 (four pole fully tested)
 Alternative program not applicable

Tests performed (name of test and test clause 1/3):

Type	Ue	In	Poles	Sequence
TGB3Z-63(D type)	AC400V	63A	4	I
TGB3Z-63(D type)	AC400V	63A	2	I ¹⁾
TGB3Z-63(D type)	AC230V	63A	1	I ²⁾
TGB3Z-63(C type)	AC400V	63A	4	I
TGB3Z-63(C type)	AC400V	63A	2	I ¹⁾
TGB3Z-63(C type)	AC230V	63A	1	I ²⁾
TGB3Z-63(B type)	AC400V	63A	4	I
TGB3Z-63(B type)	AC400V	63A	2	I ¹⁾
TGB3Z-63(B type)	AC230V	63A	1	I ²⁾
TGB3Z-63(D type)	DC80V	63A	1P appearance	I
TGB3Z-63(C type)	DC80V	63A	1P appearance	I
TGB3Z-63(B type)	DC80V	63A	1P appearance	I
TGB3Z-63(D type)	DC125V	63A	2P appearance	I
TGB3Z-63(D type)	AC400V	63A	4	II
TGB3Z-63(D type)	AC400V	1A	4	II
TGB3Z-63H(D type)	AC400V	63A	4	II
TGB3Z-63H(D type)	AC400V	1A	4	II
TGB3Z-63H(D type)	DC80V	63A	1P appearance	II