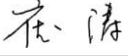


Test Report issued under the responsibility of:



TEST REPORT IEC 60947-2 Low-voltage switchgear and controlgear - Part 2: Circuit-breakers	
Report Reference No. : 00901-CB1017CQC-075337 Date of issue : 2019-02-25 Total number of pages : 151	
CB Testing Laboratory : Shanghai Testing & Inspection Institute for Electrical Equipment (STIEE) Address : 505 Wu Ning Rd. Shanghai 200063, P.R. CHINA	
Applicant's name : ZhejiangTENGEN Electrics Co., Ltd. Address : Sulv Industry Zone, Liushi, Yueqing, Zhejiang, 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 Master TRF : Dated 2013-11	
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Test item description : Moulded Case Circuit Breaker DC Trade Mark : TENGEN Manufacturer : ZhejiangTENGEN Electrics Co., Ltd. Sulv Industry Zone, Liushi, Yueqing, Zhejiang, P.R. China Model/Type reference : TGM3DC-630M Ratings : Ue: DC250V/500V(2P in series), 750V/1000V(4P in series) In: 400A, 500A, 600A, 630A;	

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/ Engineer 
Approved by (name + signature)		WeiQingYuan/SeniorEngineer 
<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 1/2):

Type	Ue	In	Pole	Sequence
TGM3DC-630M(#01)	DC500V	630A	2P in series	I
TGM3DC-630M(#02)	DC1000V	630A	4P in series type1	I
TGM3DC-630MZ(#03)	DC1000V	630A	4P in series type1	I ¹⁾
TGM3DC-630MP(#04)	DC1000V	630A	4P in series type1	I ²⁾
TGM3DC-630M(#05)	DC1000V	630A	4P in series type3	I
TGM3DC-630M(#06)	DC500V	630A	2P in series	II,III
TGM3DC-630M(#07)	DC1000V	630A	4P in series type1	II,III
TGM3DC-630M(#08)	DC1000V	400A	4P in series type1	II,III
TGM3DC-630M(#09)	DC500V	400A	2P in series	II,III
TGM3DC-630M(#10)	DC250V	630A	2P in series	II,III
TGM3DC-630M(#11)	DC250V	400A	2P in series	II,III
TGM3DC-630M(#12)	DC1000V	630A	4P in series type2	II,III
TGM3DC-630M(#13)	DC1000V	630A	4P in series type3	II,III
Undervoltage release AC220/230V assembled on TGM3DC-630M(#14)	-	-	-	N
Undervoltage release AC380/400V assembled on TGM3DC-630M(#15)	-	-	-	N
Motor operator AC100-240V/DC100-220V assembled on TGM3DC-630M(#16)	-	-	-	N
Motor operator AC380/400V assembled on TGM3DC-630M(#17)	-	-	-	N

Tests performed (name of test and test clause 2/2):

Auxiliary Testing(IEC 60947-5-1)

Auxiliary contact(#18)	AC400V	1A	AC-15	II
Auxiliary contact(#19)	DC250V	0,15A	DC-13	II
Auxiliary contact(#20)	AC400V	1A	AC-15	III
Auxiliary contact(#21)	AC400V	1A	AC-15	IV

Remark:

- 1) Only test items for clause 8.3.3.3.3, 8.3.3.3.4, 8.3.3.9
- 2) Only test items for clause 8.3.3.3.2, 8.3.3.3.3, 8.3.3.3.4, 8.3.3.9

Testing location:

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

Summary of compliance with National Differences: N/A