Test Report issued under the responsibility of:





TEST REPORTING

Low-voltage switchgear and controlgear - Part 2 Circuit-breakers

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Total number of pages 153

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.

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-125M

Ratings Ue: DC250V/500V(2P in series),750V/1000V(4P in series)

In:16,20,25,32,40,50,63,80,100,125A

		ago 2 or 100 Roport 140: 4				
Test	ing procedure and testing location:					
X	CB Testing Laboratory:	Shanghai Testing & Inspection Institute for Electrical Equipment (STIEE)				
Test	ing location/ address:	505 Wu Ning Rd. Shanghai 200063, P.R. CHINA				
	Tested by (name + signature)	Cui Tao/ Engineer	流游			
	Approved by (name + signature)	WeiQingYuan/SeniorEngineer	魏队缓			
	Testing procedure: TMP	N/A				
Test	ing location/ address:	N/A				
	Tested by (name + signature)	N/A				
	Approved by (name + signature)	N/A				
	Testing procedure: WMT	N/A				
Test	ing location/ address:	N/A				
	Tested by (name + signature)	N/A				
	Witnessed by (name + signature)	N/A				
	Approved by (name + signature)	N/A				
	Testing procedure: SMT	N/A				
Test	ing 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):

Туре	Ue	In	Pole	Sequence
TGM3DC-125M(#01)	DC500V	125A	2P in series	I
TGM3DC-125M(#02)	DC1000V	125A	4P in series type1	I
TGM3DC-125MZ(#03)	DC1000V	125A	4P in series type1	I ¹⁾
TGM3DC-125MP(#04)	DC1000V	125A	4P in series type1	l ²⁾
TGM3DC-125M(#05)	DC1000V	125A	4P in series type3	I
TGM3DC-125M(#06)	DC500V	125A	2P in series	II,III
TGM3DC-125M(#07)	DC1000V	125A	4P in series type1	II,III
TGM3DC-125M(#08)	DC1000V	16A	4P in series type1	II,III
TGM3DC-125M(#09)	DC500V	16A	2P in series	II,III
TGM3DC-125M(#10)	DC250V	125A	2P in series	II,III
TGM3DC-125M(#11)	DC250V	16A	2P in series	II,III
TGM3DC-125M(#12)	DC1000V	125A	4P in series type2	II,III
TGM3DC-125M(#13)	DC1000V	125A	4P in series type3	11,111
Undervoltage release AC220/230V assembled on TGM3DC-125M(#14)	-	-	-	N
Undervoltage releaseAC380/400V assembled on TGM3DC-125M(#15)	-	-	-	N
Motor operator AC100- 240V/DC100-220V assembled on TGM3DC-125M(#16)	-	-	-	N
Motor operator AC380/400Vassembled on TGM3DC-125M(#17)	-	-	-	N

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

Auxiliary Testing(IEC 60947-5-1)

Auxiliary contact(#18)	AC400V	0,3A	AC-15	II
Auxiliary contact(#19)	DC250V	0,15A	DC-13	II
Auxiliary contact(#20)	AC400V	0,3A	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