Test Report issued under the responsibility of:





TEST REPORT IEC 60947 Low-voltage switchgear and controlgear - Pare 2. Circuit-breakers						
Report Reference No	00901-CB2017CQC-075338					
Date of issue	2019-02-25 检验检测专用童					
Total number of pages	155					
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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procedure shall be removed.	CEE members, the IECEE/IEC logo and the reference to the CB Scheme ort unless signed by an approved CB Testing Laboratory and appended B in accordance with IECEE 02.					
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-400M					
Ratings:	Ue: DC250V/500V(2P in series),750V/1000V(4P in series) In: 225A, 250A, 315A, 350A, 400A;					

Testing 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	衣· 海			
	Approved by (name + signature)	WeiQingYuan/SeniorEngineer	汞· 游 魏 沃媛			
	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				

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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-400M(#01)	DC500V	400A	2P in series	I
TGM3DC-400M(#02)	DC1000V	400A	4P in series type1	I
TGM3DC-400MZ(#03)	DC1000V	400A	4P in series type1	I ¹⁾
TGM3DC-400MP(#04)	DC1000V	400A	4P in series type1	l ²⁾
TGM3DC-400M(#05)	DC1000V	400A	4P in series type3	I
TGM3DC-400M(#06)	DC500V	400A	2P in series	11,111
TGM3DC-400M(#07)	DC1000V	400A	4P in series type1	,
TGM3DC-400M(#08)	DC1000V	225A	4P in series type1	,
TGM3DC-400M(#09)	DC500V	225A	2P in series	,
TGM3DC-400M(#10)	DC250V	400A	2P in series	11,111
TGM3DC-400M(#11)	DC250V	225A	2P in series	,
TGM3DC-400M(#12)	DC1000V	400A	4P in series type2	11,111
TGM3DC-400M(#13)	DC1000V	400A	4P in series type3	,
Undervoltage releaseAC220/230V assembled on TGM3DC-400M(#14)	-	-	-	Ν
Undervoltage releaseAC380/400V assembled on TGM3DC-400M(#15)	-	-	-	N
Motor operator AC100- 240V/DC100-220V assembled on TGM3DC-400M(#16)	-	-	-	Ν
Motor operator AC380/400Vassembled on TGM3DC-400M(#17)	-	-	-	N

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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	П
Auxiliary contact(#20)	AC400V	0,3A	AC-15	Ш
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