



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



Report Number..... : 00901-CE2020CQC0303-011350
Date of issue..... : 2020-09-23
Total number of pages : 207

Name of Testing Laboratory preparing the Report : Shanghai Testing & Inspection Institute for Electrical Equipment Co.,Ltd (STIEE)

Applicant's name : Zhejiang Tengen Electric Co.,Ltd.
Address..... : Sulv Industrial Area, Liushi Town, Yueqing City, Zhejiang Province, P.R.China

Test specification:
Standard : EN 60947-2:2017
Test procedure : CCA Scheme
Non-standard test method : N/A

Test Report Form No. : 60947_2H
Test Report Form(s) Originator : DEKRA Certification B.V.
Master TRF : Dated 2017-04

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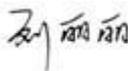
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Test item description.....	Moulded case circuit breaker
Trade Mark.....	Tache
Manufacturer	Zhejiang Tengen Electric Co., Ltd.
Model/Type reference	TeM5ED-125L, TeM5ED-125M, TeM5ED-125H, (TeM5ED-250L, TeM5ED-250M, TeM5ED-250H)
Ratings	Ue:AC380V/AC400V/AC415V In:63~125A (adjustable) (TeM5ED-125L, TeM5ED-125M, TeM5ED-125H) In:100~250A (adjustable) (TeM5ED-250L, TeM5ED-250M, TeM5ED-250H)

Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
<input checked="" type="checkbox"/>	Testing Laboratory:	Shanghai Testing & Inspection Institute for Electrical Equipment Co.,Ltd (STIEE)
Testing location/ address :		505 Wu Ning Rd. Shanghai 200063, P.R. CHINA
Tested by (name, function, signature) :		Liu lili/Engineer 
Approved by (name, function, signature) .. :		Wei Qingyuan/Senior Engineer 
<input type="checkbox"/>	Testing procedure: CTF Stage 1:	
Testing location/ address :		
Tested by (name, function, signature):		
Approved by (name, function, signature) .. :		
<input type="checkbox"/>	Testing procedure: CTF Stage 2:	
Testing location/ address :		
Tested by (name + signature) :		
Witnessed by (name, function, signature) . :		
Approved by (name, function, signature) .. :		
<input type="checkbox"/>	Testing procedure: CTF Stage 3:	
<input type="checkbox"/>	Testing procedure: CTF Stage 4:	
Testing location/ address :		
Tested by (name, function, signature):		
Witnessed by (name, function, signature) . :		
Approved by (name, function, signature) .. :		
Supervised by (name, function, signature) :		

List of Attachments (including a total number of pages in each attachment): 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: <input checked="" type="checkbox"/> Programme 1 (three pole fully tested) <input type="checkbox"/> Programme 2 (four pole fully tested) <input type="checkbox"/> Alternative program not applicable				
Tests performed (name of test and test clause):				
Type	Ue	In	Poles	Sequence
#01 TeM5ED-250L with Auxiliary contact	AC380VAC400V/AC415V	250A	3P	I
#02 TeM5ED-250L with Auxiliary contact	AC380VAC400V/AC415V	250A	3P	I
#03 TeM5ED-250L	AC380VAC400V/AC415V	250A	3P	II
#04 TeM5ED-125L	AC380VAC400V/AC415V	63A	3P	II
#05 TeM5ED-250M	AC380VAC400V/AC415V	250A	3P	II
#06 TeM5ED-125M	AC380VAC400V/AC415V	63A	3P	II
#07 TeM5ED-250H	AC380VAC400V/AC415V	250A	3P	II
#08 TeM5ED-125H	AC380VAC400V/AC415V	63A	3P	II
#09(F1) TeM5ED-250L	AC380VAC400V/AC415V	250A	3P	III
#10 TeM5ED-125L	AC380VAC400V/AC415V	63A	3P	III
#11 TeM5ED-250L	AC380VAC400V/AC415V	250A	3P	IV
#12 TeM5ED-125L	AC380VAC400V/AC415V	63A	3P	IV
#13 TeM5ED-250L	AC380VAC400V/AC415V	250A	3P	ANNEX F
#14 TeM5ED-250L	AC380VAC400V/AC415V	250A	3P	ANNEX F
#16 TeM5ED-250L with Auxiliary contact	AC380VAC400V/AC415V	250A	3P+N	I
#19 TeM5ED-250L with Auxiliary contact	AC380VAC400V/AC415V	250A	3P+N	I
#17 TeM5ED-250L	AC380VAC400V/AC415V	250A	3P+N	III
#18 TeM5ED-125L	AC380VAC400V/AC415V	63A	3P+N	III

Remark: 1)The circuit breakers of L type,M type, H type are fully identical except the short circuit capacities and type references marked on the labels. Therefore, the tests conducted on L type with maximum short-circuit breaking capacity are selected among test sequences to cover all types.

Testing location:

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

Summary of compliance with National Differences (List of countries addressed): N/A

The product fulfils the requirements of _____ (insert standard number and edition and delete the text in parenthesis, leave it blank or delete the whole sentence, if not applicable)