

TEST REPORT EN 60947-2

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

Report Number.....: 02401-22119Y29054-1

Date of issue: 2022-11-05

Total number of pages80

Name of Testing Laboratory Zhejiang Fangyuan Test Group CO., Ltd.

China

Applicant's name Zhejiang Tengen Smart Electrics Co.,Ltd.

Zhejiang Province, P.R.China

Test specification:

Standard.....: EN 60947-2:2017+A1:2020

Test procedure: CCA Scheme

Non-standard test method: N/A

Test Report Form No.: IEC 60947_2J

Test Report Form(s) Originator: DEKRA Certification B.V.

Master TRF.....: Dated 2020-03-31

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Test item description: Moulded Case Circuit Breaker

Trade Mark(s).....: Tache

7 40 60 7 60

Manufacturer: Zhejiang Tengen Smart Electrics Co.,Ltd.

No.2777 West Zhongshan Road, Xiuzhou District, Jiaxing,

Zhejiang Province, P.R.China

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			A COMPANION CONTRACTOR OF A CO				
History Type Telefolice			DC-250HU; 00V;Uimp:12kV;				
Ratings		Ue:DC	C1500V;				
In:63			A,80A,100A,125A,140A,160A,180A,200A,225A,250A;				
			of overcurrent release: no-magnetic trip unit, Electro-magnetic trip unit;				
			tivity category:A;				
M type			e:lcs=lcu:20kA(T=10ms);				
			e:lcs=lcu:40kA(τ=5ms); g mode:3P appearance;				
The pi Applic (Only		The p	roduct is suitable for isolation; cable to PV the nameplate reflects "IEC 60947-2– Annex P"); ary:1NO1NC,2NO2NC;Ith:3A;				
		AC-15	5:Ue/ le:AC400V/1.5A;				
		DC-13	3:Ue/ le:DC220V/0.15A;				
		plicab	ole), testing procedure and testing location(s):				
	CE Testing Laboratory:		Zhejiang Fangyuan Test Group CO., Ltd				
Testing location/ address:			No.400, Guangqiong Rd, Jaxing City, Zhejiang Province. P.R. China				
Test	ed by (name, function, signature)	:	Jin Hongfei				
Appı	oved by (name, function, signatu	re):	Yao Bo				
Ш	Testing procedure: CTF Stage 1						
Testing location/ address:							
Tested by (name, function, signature):							
Approved by (name, function, signature):							
	Testing procedure: CTF Stage 2	:					
Testing location/ address:							
Test	ed by (name + signature)	:					
Witn	essed by (name, function, signatu	ıre):	•				
Аррі	roved by (name, function, signatu	re):					
	Testing procedure: CTF Stage 3	:					
	Testing procedure: CTF Stage 4	:					
Testing location/ address:							
Tested by (name, function, signature):							
Witnessed by (name, function, signature):		ıre):					
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:							
Standard used :							
EN 60947-2:2017+A1:2020; EN 60947-1:2007+A2:2014;							
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):

Sample No.	Туре	Pole s	Rated Current	Test Voltage	Short circuit current	Test sequence
I-1#	TeM5DC-250HUM/3348	3P	250A	DC1500V	-	I
II-1#	TeM5DC-250HUM/3300	3P	250A	DC1500V	20kA	11+111
II-2#	TeM5DC-250HUM/3300	3P	63A	DC1500V	20kA	11+111
II-3#	TeM5DC-250HUH/3300	3P	250A	DC1500V	40kA	11+111
II-4#	TeM5DC-250HUH/3300	3P	63A	DC1500V	40kA	11+111
II-5#	TeM5DC-250HUM/3300	3P	250A	DC1500V	20kA	11+111
II-6#	TeM5DC-250HUH/3300	3P	250A	DC1500V	40kA	11+111
P-1#	TeM5DC-250HUM/3300	3P	250A	DC1500V	-	P.8.3.9
P-2#	TeM5DC-250HUM/3300	3P	250A	DC1500V	-	P.8.3.10
P-3#	TeM5DC-250HUM/3300	3P	250A	DC1500V	-	P.8.3.11

Note1:II-5#~II-6# with Reverse wiring

Note2:auxiliary circuit:Report No. 020401-22119Y29054-2

Connection diagram:

