



Test Report issued under the responsibility of:



TEST REPORT  
IEC 60947-6-1

Low-voltage switchgear and controlgear  
Part 6-1: Multiple function equipment – Transfer switching equipment

Report Number..... : 03601-A-19CB0040-G  
Date of issue ..... : 2019-12-18  
Total number of pages ..... 51



Name of Testing Laboratory preparing the Report..... : Suzhou Electrical Apparatus Science Research Institute Co., Ltd.(EETI)

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

Test specification:

Standard ..... : IEC 60947-6-1:2005, AMD1:2013 for use in conjunction with IEC 60947-1:2007, AMD1:2010  
Test procedure..... : CB Scheme  
Non-standard test method..... : N/A

Test Report Form No..... : IEC60947\_6\_1C  
Test Report Form(s) Originator.... : SGS Fimko Ltd  
Master TRF ..... : Dated 2019-07-02

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Test item description .....	Automatic Transfer Switching Equipment
Trade Mark .....	TENGEN
Manufacturer .....	Zhejiang Tengen Electric Co., Ltd. Sulv Industrial Area, Liushi Town, Yueqing City, Zhejiang Province, P.R.China
Model/Type reference .....	TGQ1N-400L/3, TGQ1N-400L/4, TGQ1N-400M/3, TGQ1N-400M/4, TGQ1N-630L/3, TGQ1N-630L/4, TGQ1N-630M/3, TGQ1N-630M/4
Ratings .....	Ui: 800V(main circuit); 400V(control and auxiliary circuits); Uimp: 8kV(main circuit); 2.5kV(control and auxiliary circuits); Ue: AC400V; Ie: 250A, 315A, 350A, 400A(with TGM1N-400L, TGM1N-400M Circuit-breaker), 400A, 450A, 500A, 630A(with TGM1N-630L, TGM1N-630M Circuit-breaker); Utilization Category: AC-33B; Icn: Type L: 50kA, Type M: 70kA; Icm(peak value): Type L: 105kA, Type M: 154kA; Class of equipment: CB; Method of controlling: RTSE(only intelligent type with communication controller), ATSE; 3P, 4P.

<b>Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):</b>	
<input checked="" type="checkbox"/> CB Testing Laboratory:	Suzhou Electrical Apparatus Science Research Institute Co., Ltd.(EETI)
Testing location/ address .....	No.7 Yonghe Street, Binhe Road, New District, Suzhou China
Tested by (name, function, signature) .....	Zhu Wenhua (Team leader) 
Approved by (name, function, signature) ..	Chen Yuan (Supervisor) 



<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, function, signature) .....	
Witnessed by (name, function, signature) . :	
Approved by (name, function, signature) .. :	

<input type="checkbox"/> Testing procedure: CTF Stage 3 or 4:	
Testing location/ address .....	
Tested by (name, function, signature) .....	
Witnessed by (name, function, signature) . :	
Approved by (name, function, signature) .. :	
Supervised by (name, function, signature) :	