



Test Report issued under the responsibility of:



TEST REPORT
IEC 60947-4-1

Low voltage switchgear and controlgear
Part 4: Contactors and motor-starters
Section 1 - Electromechanical contactors and motor-starters

Report Number..... : 03601-A-18CB0053-S-A

Date of issue : 2018-11-30

Total number of pages..... : 127 pages

Name of Testing Laboratory
preparing the Report : Suzhou Electrical Apparatus Science Research Institute Stock 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 60947-4-1:2009 , AMD1:2012

Test procedure..... : CB Scheme

Non-standard test method..... : N/A

Test Report Form No..... : IEC60947_4_1C

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

Master TRF : Dated 2017-06

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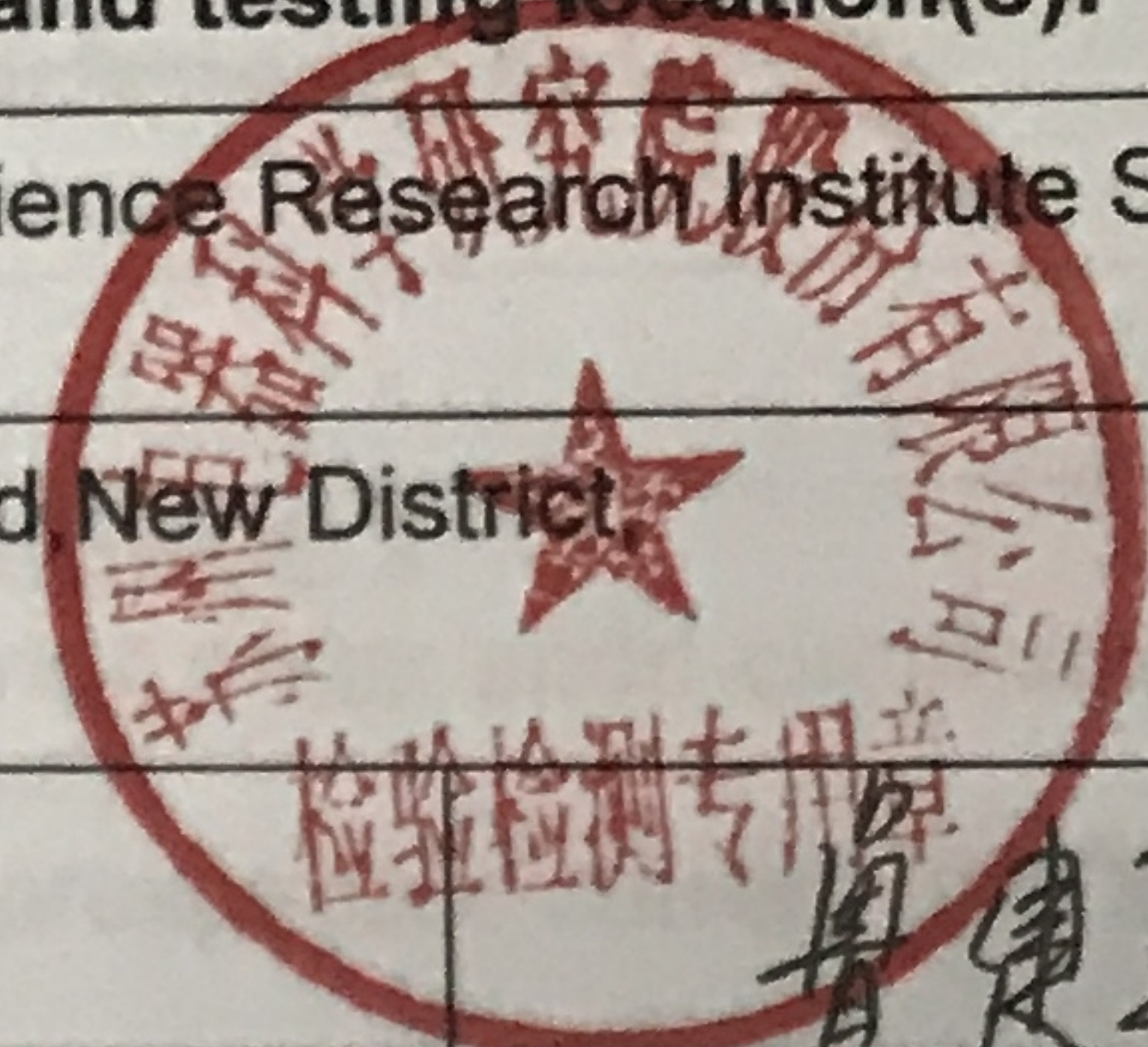
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Test item description	AC Contactor
Trade Mark	TENGEN
Manufacturer	Zhejiang Tengen Electric Co., Ltd. Sulv Industrial Area, Liushi Town, Yueqing City, Zhejiang Province, P.R.China
Model/Type reference	TGC1-2511, TGC1-2511N, TGC1-3211, TGC1-3211N, TGC1-3811, TGC1-3811N, TGCG-2511, TGCG-2511N, TGCG-3211, TGCG-3211N, TGCG-3811, TGCG-3811N, TGCJH-2511, TGCJH-2511N, TGCJH-3211, TGCJH-3211N, TGCJH-3811, TGCJH-3811N
Ratings	<p>Ui: 690V; Uimp: 6kV; Ith: 32A(TGC1-2511, TGC1-2511N, TGCG-2511, TGCG-2511N, TGCJH-2511, TGCJH-2511N), 40A(TGC1-3211, TGC1-3211N, TGCG-3211, TGCG-3211N, TGCJH-3211, TGCJH-3211N), 50A(TGC1-3811, TGC1-3811N, TGCG-3811, TGCG-3811N, TGCJH-3811, TGCJH-3811N);</p> <p>TGC1-2511, TGCG-2511, TGCJH-2511: AC-1: Ue: AC220V/230V, 380V/400V, Ie: 32A AC-3: Ue: AC220V/230V, 380V/400V, Ie: 25A Ue: AC660V/690V, Ie: 18A AC-4: Ue: AC220V/230V, 380V/400V, Ie: 8.5A Ue: AC660V/690V, Ie: 4.4A TGC1-2511N, TGCG-2511N, TGCJH-2511N: AC-1: Ue: AC220V/230V, 380V/400V, Ie: 32A AC-4: Ue: AC220V/230V, 380V/400V, Ie: 8.5A Ue: AC660V/690V, Ie: 4.4A TGC1-3211, TGCG-3211, TGCJH-3211: AC-1: Ue: AC220V/230V, 380V/400V, Ie: 40A AC-3: Ue: AC220V/230V, 380V/400V, Ie: 32A Ue: AC660V/690V, Ie: 22A AC-4: Ue: AC220V/230V, 380V/400V, Ie: 12A Ue: AC660V/690V, Ie: 7.5A TGC1-3211N, TGCG-3211N, TGCJH-3211N: AC-1: Ue: AC220V/230V, 380V/400V, Ie: 40A AC-4: Ue: AC220V/230V, 380V/400V, Ie: 12A Ue: AC660V/690V, Ie: 7.5A TGC1-3811, TGCG-3811, TGCJH-3811: AC-1: Ue: AC220V/230V, 380V/400V, Ie: 50A AC-3: Ue: AC220V/230V, 380V/400V, Ie: 38A Ue: AC660V/690V, Ie: 22A AC-4: Ue: AC220V/230V, 380V/400V, Ie: 14A Ue: AC660V/690V, Ie: 8.9A TGC1-3811N, TGCG-3811N, TGCJH-3811N: AC-1: Ue: AC220V/230V, 380V/400V, Ie: 50A AC-4: Ue: AC220V/230V, 380V/400V, Ie: 14A Ue: AC660V/690V, Ie: 8.9A</p> <p>Us: AC24V, AC36V, AC48V, AC110V, AC220V, AC380V, AC400V, AC415V, 50Hz; AC24V, AC36V, AC48V, AC110V, AC220V, AC380V, AC400V, AC415V, 50/60Hz; 3P; IP20; Attached auxiliary contacts: (1NO1NC, 2 pairs): Ith: 10A; Ui: 690V; Uimp: 6kV; AC-15: Ue/Ie: AC380V/0.95A, AC220V/1.6A DC-13: Ue/Ie: DC220V/0.15A.</p>

Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):			
<input checked="" type="checkbox"/>	CB Testing Laboratory:	Suzhou Electrical Apparatus Science Research Institute Stock Co., Ltd.(EETI)	
Testing location/ address.....		No.7 Yonghe Street, Binhe Road New District Suzhou, China	
Tested by (name, function, signature).....:		Lu Jianping (Engineer)	
Approved by (name, function, signature).:		Zhang Jie (Chief Engineer)	
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			
Tested by (name + signature).....:			
Witnessed by (name, function, signature):			
Approved by (name, function, signature).:			
Testing procedure: CTF Stage 3:			
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)			