



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-18CB0036-S-A

Date of issue : 2018-09-30

Total number of pages..... : 153 pages

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

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

Address..... : No.2777 West Zhongshan Road,Xiuzhou District,Jiaxing,Zhejiang
Province

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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Test item description AC Contactor

Trade Mark /

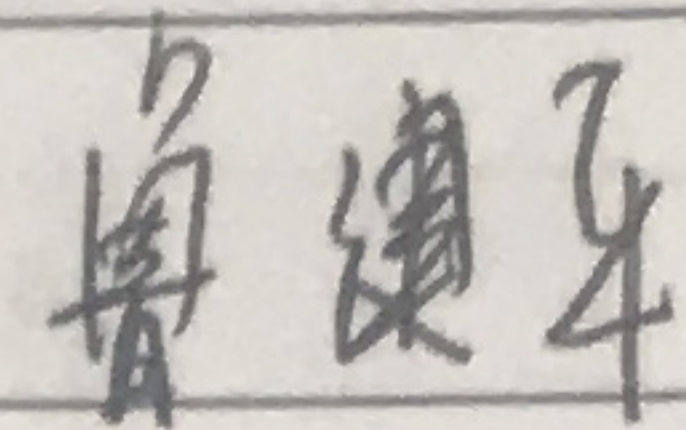
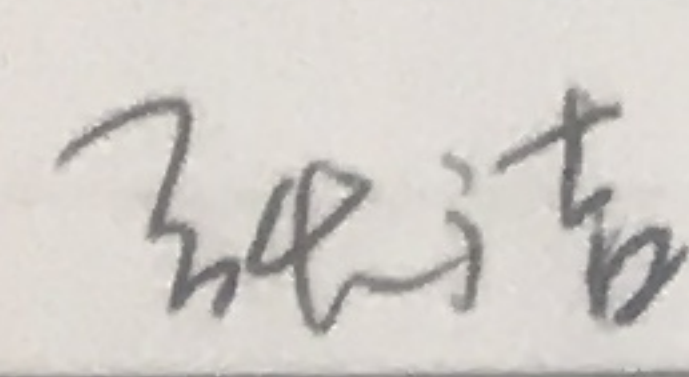

Manufacturer..... Zhejiang Tengen Smart Electrics Co.,Ltd.

Model/Type reference..... TeC5-06,TeC5-06N,TeC5-09,TeC5-09N,
TeC5-12,TeC5-12N,TeC5-16,TeC5-16N,
TeC5-18,TeC5-18N

Ratings Ui:690V; 3P;Uimp:6kV; IP20;
Ith: 20A(TeC5-06,TeC5-06N,TeC5-09,TeC5-09N);
25A(TeC5-12,TeC5-12N,TeC5-16,TeC5-16N);
32A(TeC5-18,TeC5-18N);
Ue: AC220V/230V,AC380V/400V,AC660V/690V;
TeC5-06:Ie:6A(220V/230V;380V/400V;AC-3),3.8A(660V/690V;AC-3)
2.6A(220V/230V;380V/400V;AC-4),1A(660V/690V;AC-4)
20A(220V/230V ;380V/400V;AC-1)
TeC5-06N:Ie:2.6A(220V/230V;380V/400V;AC-4),1A(660V/690V;AC-4)
20A(220V/230V ;380V/400V;AC-1)
TeC5-09:Ie:9A(220V/230V;380V/400V;AC-3),6.6A(660V/690V;AC-3)
3.5A(220V/230V;380V/400V;AC-4),1.5A(660V/690V;AC-4)
20A(220V/230V;380V/400V;AC-1)
TeC5-09N: Ie:3.5A(220V/230V;380V/400V;AC-4),1.5A(660V/690V;AC-4)
20A(220V/230V;380V/400V;AC-1)
TeC5-12:Ie:12A(220V/230V;380V/400V;AC-3),8.9A(660V/690V;AC-3)
5A(220V/230V;380V/400V;AC-4),2A(660V/690V;AC-4)
25A(220V/230V;380V/400V;AC-1)
TeC5-12N: Ie:5A(220V/230V;380V/400V;AC-4),2A(660V/690V;AC-4)
25A(220V/230V ;380V/400V;AC-1)
TeC5-16: Ie:16A(220V/230V;380V/400V;AC-3),8.9A(660V/690V;AC-3)
7.7A(220V/230V;380V/400V;AC-4),3.5A(660V/690V;AC-4)
25A(220V/230V;380V/400V;AC-1)
TeC5-16N: Ie:7.7A(220V/230V;380V/400V;AC-4),3.5A(660V/690V;AC-4)
25A(220V/230V;380V/400V;AC-1)
TeC5-18:Ie:18A(220V/230V;380V/400V;AC-3),12A(660V/690V;AC-3)
7.7A(220V/230V;380V/400V;AC-4),3.8A(660V/690V;AC-4)
32A(220V/230V ;380V/400V;AC-1)
TeC5-18N:Ie:7.7A(220V/230V;380V/400V;AC-4),3.8A(660V/690V;AC-4)
32A(220V/230V;380V/400V;AC-1)
Us:AC24V,AC36V,AC48V,AC110V,AC220V,AC380V,AC400V,AC415V,50Hz;
AC24V,AC36V,AC48V,AC110V,AC220V,AC380V,AC400V,AC415V,50/60Hz ;
Attached auxiliary contacts: (1NO1NC,2 pairs):
Ith:10A;Ui:690V;Uimp:6kV;
AC-15:Ue/Ie:AC220V/1.6A,AC380V/0.95A;
DC-13: Ue/Ie:DC220V/0.15A.

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)	
			
<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)		