



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**..... : (2021)FQIIDQ-0835  
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**Name of Testing Laboratory preparing the Report** ..... : Fujian Inspection and Research Institute for Product Quality (FQII)

**Applicant's name** ..... : Zhejiang Tengen Electrics Co.,Ltd.  
**Address**..... : Sulv Industry Zone, Liushi Town, Yueqing City, Zhejiang Province, P.R.China

**Test specification:**  
**Standard** ..... : IEC 60947-4-1:2018  
**Test procedure** ..... : CB Scheme  
**Non-standard test method** ..... : N/A

**Test Report Form No.** ..... : IEC60947\_4\_1D  
**Test Report Form(s) Originator** .... : DEKRA Certification B.V.  
**Master TRF** ..... : Dated 2019-05-14

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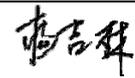
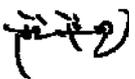
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<b>Test item description</b> .....	AC Contactor
<b>Trade Mark</b> .....	
<b>Manufacturer</b> .....	Zhejiang Tengen Electrics Co.,Ltd./ Sulv Industry Zone, Liushi Town, Yueqing City, Zhejiang Province, P.R.China
<b>Model/Type reference</b> .....	TGCA-1811, TGCA-2211, TGCA-1811N, TGCA-2211N
<b>Ratings</b> .....	<p>Uimp:6kV;Ui:690V;lth:32A;  Ue:AC220/230V,AC380/400V,AC660/690V;  TGCA-1811:  AC-1:32A(AC220/230V,AC380/400V);  AC-3:18A/18A/12A(AC220/230V,AC380/400V,AC660/690V);  AC-4:7.7A/7.7A/3.8A(AC220/230V,AC380/400V,AC660/690V);  TGCA-2211:  AC-1:32A(AC220/230V,AC380/400V);  AC-3:22A/22A/14A(AC220/230V,AC380/400V,AC660/690V);  AC-4:8.5A/8.5A/4A(AC220/230V,AC380/400V,AC660/690V);  TGCA-1811N:  AC-1:32A(AC220/230V,AC380/400V);  AC-4:7.7A/7.7A/3.8A(AC220/230V,AC380/400V,AC660/690V);  TGCA-2211N:  AC-1:32A(AC220/230V,AC380/400V);  AC-4:8.5A/8.5A/4A(AC220/230V,AC380/400V,AC660/690V);  Utilization category:  AC-1(TGCA-1811, TGCA-2211, TGCA-1811N, TGCA-2211N),  AC-3(TGCA-1811, TGCA-2211),  AC-4(TGCA-1811, TGCA-2211, TGCA-1811N, TGCA-2211N);  Us:AC24V,AC36V,AC48V,AC110V,AC220V,AC380V,AC400V,  AC415V,50Hz;  AC24V,AC36V,AC48V,AC110V,AC220V,AC380V,AC400V,AC415V,  50/60Hz;  3P;  Auxiliary contact:1NO1NC;Uimp:6kV,Ui:690V,lth:10A;  AC-15:Ue/Ie:AC380V/0.95A,AC220V/1.6A;  DC-13:AC220V/0.15A.</p>

<b>Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):</b>		
<input checked="" type="checkbox"/>	<b>CB Testing Laboratory:</b>	Fujian Inspection and Research Institute for Product Quality(FQII)
<b>Testing location/ address.....:</b>		No. 121, Shan Tou Jiao, West Yang Gao Road, Fuzhou, Fujian, P.R.China & No.101 Baozhen Road Mawei Economic Development Zone Fuzhou,Fujian,China
<b>Tested by (name, function, signature).....:</b>		Yang Jilin (Engineer) 
<b>Approved by (name, function, signature)....:</b>		Wei Yunming (Chief Engineer) 
<hr/>		
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 1:</b>	
<b>Testing location/ address.....:</b>		
<b>Tested by (name, function, signature).....:</b>		
<b>Approved by (name, function, signature)....:</b>		
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<input type="checkbox"/>	<b>Testing procedure: CTF Stage 2:</b>	
<b>Testing location/ address.....:</b>		
<b>Tested by (name + signature).....:</b>		
<b>Witnessed by (name, function, signature) .:</b>		
<b>Approved by (name, function, signature)....:</b>		
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<input type="checkbox"/>	<b>Testing procedure: CTF Stage 3:</b>	
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 4:</b>	
<b>Testing location/ address.....:</b>		
<b>Tested by (name, function, signature).....:</b>		
<b>Witnessed by (name, function, signature) .:</b>		
<b>Approved by (name, function, signature)....:</b>		
<b>Supervised by (name, function, signature) :</b>		

