

Test Report issued under the responsibility of:



**TEST REPORT**  
**EN 60947-2**  
**Low-voltage switchgear and controlgear - Part 2: Circuit-breakers**

Report Number.....: (2025)FQIIDQCE-0520

Date of issue.....: 2025-06-04

Total number of pages.....: 197

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

Applicant's name .....: Zhejiang Tengen Electric Co.,Ltd.

Address.....: Sulv Industrial Area, Liushi Town, Yueqing City, Zhejiang Province, P.R.China

**Test specification:**

Standard.....: EN 60947-2:2017,EN 60947-2:2017/A1:2020

Test procedure .....:

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

Test Report Form No. ....: IEC60947\_2K

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

Master TRF.....: Dated 2023-09-14

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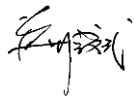
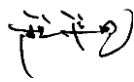
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|                                    |  |
|------------------------------------|--|
| <b>Test item description</b> ..... | Moulded Case Circuit Breaker   |
| <b>Trade Mark(s)</b> .....         | /  |
| <b>Manufacturer</b> .....          | Zhejiang Tengen Electric Co.,Ltd./ Sulv Industrial Area, Liushi Town,<br>Yueqing City, Zhejiang Province, P.R.China  |
| <b>Model/Type reference</b> .....  | TGM3-1600L,TGM3-1600M,TGM3-1600H,TGM3-1600R  |
| <b>Ratings</b> :                   | <p>           Ui:1000V;Uimp:12kV;<br/>           Ue:AC380/AC400/AC415V;50/60Hz;<br/>           In:800A,1000A,1250A,1440A,1500A,1600A;<br/>           Type of over-current release:Thermo-magnetic,Electro-magnetic;<br/>           Type L:Ics:50kA,Icu:50kA;Type M:Ics:70kA,Icu:70kA;<br/>           Type H:Ics:75kA,Icu:100kA;Type R:Ics:100kA,Icu:100kA;<br/>           Selectivity category:A; 3P,4P,3P+N;<br/>           Matching auxiliary contact: OF3M40,<br/>           Alarm contact: SD3MS1:1NO1NC,2NO2NC;<br/>           Ui:690V;lth:5A;AC-15:AC380V/400V/415V/0.3A;<br/>           DC-13:DC110V/220V/250V/0.15A.<br/>           Electronic accessory complying with Annex N:<br/>           Motor-operator:AC/DC 110/220/230/240V,AC380/400/415V;<br/>           Undervoltage release:AC220/230/240V,AC380/400/415V;<br/>           Shunt<br/>           release:AC220/230/240V(DC110V/DC220V),AC380/400/415V,DC24V         </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.6,Shuangfeng Road, Hongshan,Gulou District, Fuzhou,Fujian 350002 China & No.101,Baozhen Road,Mawei, Mawei District,Fuzhou,Fujian 350015 China |
| <b>Tested by (name, function, signature) .....</b>  |  | Su Xiongbin<br>(Engineer)                                     |
| <b>Approved by (name, function, signature)....:</b>   |  | Wei Yunming<br>(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>   |  |  |
| <hr/>   |  |  |
| <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>   |  |  |
| <hr/>   |  |  |
| <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>  |  |  |