

Test Report issued under the responsibility of:



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

Report Number.....: (2023)FQIIDQCE-0340

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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 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

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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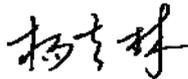
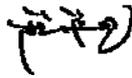
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|                                    |   |
|------------------------------------|---|
| <b>Test item description</b> ..... | MCCB  |
| <b>Trade Mark(s)</b> .....         | TENGEN  |
| <b>Manufacturer</b> .....          | Zhejiang Tengen Electric Co.,Ltd. /<br>Sulv Industrial Area, Liushi Town, Yueqing City, Zhejiang<br>Province, P.R.China   |
| <b>Model/Type reference</b> .....  | TGM3-800L, TGM3-800M, TGM3-800H   |
| <b>Ratings</b> .....               | Uimp:8kV;Ui: 800V; Ue:AC400V/690V;<br>In:400A,500A,600A,630A,700A,800A;<br>Type of over-current release: Thermo-magnetic,Electro-<br>magnetic;<br>Type L :400V:Ics:35kA,Icu:50kA;690V:Ics:10kA,Icu:15kA;<br>Type M:400V:Ics:65kA,Icu:65kA;690V:Ics:20kA,Icu:20kA;<br>Type H:400V:Ics:65kA,Icu:85kA;690V:Ics:20kA,Icu:30kA;<br>Selectivity category: A; 3P,3P+N(Type A:3 protected poles with<br>an uninterrupted neutral pole;Type D:3 protected poles with a<br>protected uninterrupted neutral pole);4P(Type B:3 protected<br>poles with a switched neutral pole;Type C:4 protected poles);<br>3P, 4P: suitable for isolation; 3P+N:Not suitable for isolation;<br>Matching auxiliary contact:FC38-400,<br>1NO1NC,2NO2NC,4NO4NC,Ui:690V,Ith:6A,<br>AC-15:(380/400)V/1A,DC-13:(220/230)V/0.15A;<br>Electronic annex in Appendix N:<br>Undervoltage release:QT38-400,<br>Us:AC(220/230)V,AC(380/400)V;<br>Motor-operator:CD2-800,Us:AC(220/230)V,AC(380/400)V |

|   |  |  |
|---|--|--|
| <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>  |  | Yang Jilin<br>(Engineer)                                      |
| <b>Approved by (name, function, signature) :</b>  |  | Wei Yunming<br>(Chief Engineer)                               |
| <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>  |  |  |
| <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>  |  |  |
| <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>  |  |  |