

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-0335

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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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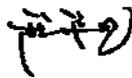
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|------------------------------------|--|
| Test item description | CBR |
| Trade Mark(s)..... | TENGEN |
| Manufacturer | Zhejiang Tengen Electric Co.,Ltd. / Sulv Industrial Area, Liushi Town, Yueqing City, Zhejiang Province, P.R.China |
| Model/Type reference | TGM3L-125L,TGM3L-125M,TGM3L-125H |
| Ratings..... | Uimp:8kV;Ui:800V;Ue:AC400V; In:16A,20A,25A,32A,40A,50A,63A,80A,100A,125A; Type of over-current release:Thermo-magnetic; TGM3L-125L:Ics:26kA,Icu:35kA, TGM3L-125M: Ics:50kA,Icu:50kA, TGM3L-125H:Ics:50kA,Icu:65kA; I _{Δn} : 30mA(without time-delayed type)/50mA/75mA/100mA/ 150mA/200mA/ 300mA/400mA/500mA (Optional three by fixed steps or one fixed)/ Type AC; t _s ≤0.2s(without time-delayed type), Δt:0.1s/0.2s/0.3s/ 0.4s/ 0.5s/ 0.6s/ 0.7s/0.8s(Time-delayed type)(Optional three by fixed steps or one fixed); Type of residual current release: Electronic; I _{Δm} =25%Icu; Selectivity category: A; 3P,3P+N(Type A,3 protected poles with an uninterrupted neutral pole;Type D,3 protected poles with a protected uninterrupted neutral pole),4P(Type B,3 protected poles with a switched neutral pole;Type C,4 protected poles); 3P,4P:Suitable for isolation;3P+N:Not suitable for isolation; Matching auxiliary contact FC34-125: 1NO1NC,2NO2NC,4NO4NC; I _{th} :3A; Ui:690V; AC-15: (380/400)V/0.3A, DC-13:(220/230)V/0.15A; Electronic accessory complying with annex N: Undervoltage release:QT34-125, Us:AC(220/230)V,AC(380/400)V; Motor-operator: CD2-125, Us:AC(220/230)V,AC(380/400)V |

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| Responsible Testing Laboratory (as applicable), testing procedure and testing location(s): | | |
| <input checked="" type="checkbox"/> | CB Testing Laboratory: | Fujian Inspection and Research Institute for Product Quality(FQII) |
| Testing location/ address | | No.6,Shuangfeng Road, Hongshan,Gulou District, Fuzhou,Fujian 350002 China & No.101,Baozhen Road,Mawei, Mawei District,Fuzhou,Fujian 350015 China (2) |
| Tested by (name, function, signature): | | Xu Jiafeng (Engineer)  |
| Approved by (name, function, signature) : | | Wei Yunming (Chief Engineer)  |
| <hr/> | | |
| <input type="checkbox"/> | Testing procedure: CTF Stage 1: | |
| Testing location/ address | | |
| Tested by (name, function, signature) : | | |
| Approved by (name, function, signature) : | | |
| <hr/> | | |
| <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) : | | |
| <hr/> | | |
| <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) | | |
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