
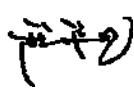




TEST REPORT EN 60947-2 Low-voltage switchgear and controlgear - Part 2: Circuit-breakers	
Report Number.....:	(2023)FQIIDQCE-0331
Date of issue.....:	2023-10-25
Total number of pages	28
Name of Testing Laboratory preparing the Report.....:	Fujian Inspection and Research Institute for Product Quality (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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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-250L, TGM3L-250M, TGM3L-250H
Ratings.....	<p>Uimp:8kV;Ui:800V;Ue:AC400V; In:100A,125A,140A,160A,180A,200A,225A,250A; Type of over-current release: Thermo-magnetic, electro-magnetic; TGM3L-250L:Ics:26kA,Icu:35kA; TGM3L-250M: Ics:50kA,Icu:50kA; TGM3L-250H:Ics:50kA, Icu:65kA; IΔn: 30mA(without time-delayed type)/ 50mA/75mA/100mA/150mA/200mA/ 300mA/400mA/500mA (Optional three by fixed steps or one fixed)/ Type AC; t\leq0.2s(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; IΔm:25%Icu; Selectivity: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 FC34-250: 1NO1NC,2NO2NC,4NO4NC;lth: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:QT34-250, Us:AC(220/230)V,AC(380/400)V; Motor-operator: CD2-250, Us:AC(220/230)V,AC(380/400)V.</p>

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
Tested by (name, function, signature):		Xu Jiafeng (Engineer) 
Approved by (name, function, signature) :		Wei Yunming (Chief Engineer) 
Testing procedure: CTF Stage 1:		
Testing location/ address		
Tested by (name, function, signature) :		
Approved by (name, function, signature) :		
Testing procedure: CTF Stage 2:		
Testing location/ address		
Tested by (name + signature)		
Witnessed by (name, function, signature) :		
Approved by (name, function, signature) :		
Testing procedure: CTF Stage 3:		
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)		