
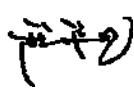




TEST REPORT EN 60947-2 Low-voltage switchgear and controlgear - Part 2: Circuit-breakers	
Report Number.....:	(2023)FQIIDQCE-0335
Date of issue.....:	2023-10-25
Total number of pages	27
Name of Testing Laboratory preparing the Report.....:	Fujian Inspection and Research Institute for Product Quality (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-125L,TGM3L-125M,TGM3L-125H
Ratings.....	<p>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; $I_{\Delta n}$: 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; $I_{\Delta m}$=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; Ith: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</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 (2)
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)		