



TEST REPORT EN 60947-2 Low-voltage switchgear and controlgear - Part 2: Circuit-breakers	
Report Number.....:	(2023)FQIIDQCE-0334
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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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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-400L,TGM3L-400M,TGM3L-400H
Ratings.....	Uimp:8kV;Ui:800V;Ue:AC400V; In:225A,250A,315A,350A,400A; Type of over-current release: Thermo-magnetic, electro-magnetic; TGM3L-400L:Ics:35kA,Icu:50kA, TGM3L-400M:Ics:65kA,Icu:65kA, TGM3L-400H: Ics:65kA,Icu:85kA; I Δ n: 50mA/75mA/100mA/150mA/200mA/ 300mA/ 400mA/500mA/600mA/ 800mA/1000mA (Optional three by fixed steps or one fixed)/ Type AC; Type of residual current release: Electronic; I Δ 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 FC38-400: 1NO1NC,2NO2NC,4NO4NC;Ith:6A; Ui:690V;AC-15: (380/400)V/1A,DC-13:(220/230)V/0.15A; Electronic accessory complying with annex N: Undervoltage release:QT38-400, Us:AC(220/230)V,AC(380/400)V; Motor-operator: CD2-400, Us:AC(220/230)V,AC(380/400)V

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)		