



TEST REPORT IEC SUSAN

Low-voltage switchgear and controlge Part 2: Circuit-breakers

Report Reference No...... 00901-CB201 CQC-075291

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CB Testing Laboratory...... Shanghai Testing & Inspection Institute for Electrical Equipment Co.,Ltd.

(STIEE)

Address 505 Wu Ning Rd. Shanghai 200063, P.R. CHINA

Applicant's name Zhejiang Tengen Electrics Co., Ltd.

Address Sulv Industry Zone, Liushi, Yueqing, Zhejiang, P.R. China

Test specification:

Standard IEC 60947-2:2006 (Fourth Edition) + A1: 2009 + A2: 2013

Test procedure CB scheme

N/A Non-standard test

method.....

Test Report Form No..... IEC60947_2G

DEKRA Certification BV Test Report Form(s)

Originator.....

Master TRF..... Dated 2013-11

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Test item description Moulded Case Circuit Breaker

Trade Mark..... TENGEN

Manufacturer Zhejiang Tengen Electrics Co., Ltd.

Model/Type referenceTGM1N-320L/M/H/R, TGM1N-250L/M/H/R

AC660/690V(3P,3P+N,4P)

In: TGM1N-250L/M/H/R:

In: 1 GIVI 11, 200A, 150A, 160A, 170A, 180A, 200A, 225A, 250A; 100A, 125A, 140A, 150A, 160A, 170A, 180A, 200A, 225A, 250A;

TGM1N-320L/M/H/R:100A,125A,140A,150A,160A,170A,180A,

200A,225A,250A,270A,280A,300A,315A,320A;

CB Testing Laboratory: Shanghai Testing & Inspection Institute for Electrical Equipment Co.,Ltd. (STIEE)	Test	ing procedure and testing location:					
Testing location/ address							
Tested by (name + function + signature)			Shanghai Testing & Inspection Institute for Electrical Equipment Co.,Ltd. (STIEE)				
Signature)			505 Wu Ning Rd. Shanghai 200063, P.R. CHINA				
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Summary of testing:
In case of alternative test programs for circuit breakers with a different number of poles, the following program is used:
☐ Programme 1 (three pole fully tested)
☑ Programme 2 (four pole fully tested)
Alternative program not applicable
Tosts performed (neme of the control

Tests performed (name of test and test clause 1/3):

Туре	Ue	In	Poles	Sequence
TGM1N-320L	AC415V	320A	2	ı
TGM1N-320M	AC415V	320A	2	ı
TGM1N-320L	AC690V	320A	4	1
TGM1N-320M	AC690V	320A	4	I
TGM1N-320H	AC690V	320A	4	ı
TGM1N-320L	AC415V	320A	4	II
TGM1N-320L	AC415V	100A	4	II
TGM1N-320L	AC690V	320A	4	11
TGM1N-320M	AC415V	320A	4	11
TGM1N-320M	AC415V	100A	4	11
TGM1N-320M	AC690V	320A	4	
TGM1N-320H	AC415V	320A	4	II
TGM1N-320H	AC415V	100A	4	''
TGM1N-320H	AC690V	320A	4	"
TGM1N-320R(Plug-in)	AC415V	320A	4	11
TGM1N-250R	AC415V	100A	4	
TGM1N-320L	AC240V	320A	2	
TGM1N-320L	AC240V	100A	2	

Tests performed (name of test and test clause 2/3):

Туре	Ue	In	Poles	Sequence
TGM1N-320L	AC415V	320A	2	111
TGM1N-320M	AC240V	320A	2	111
TGM1N-320M	AC240V	100A	2	III
TGM1N-320M	AC415V	320A	2	III
TGM1N-320M	AC415V	320A	2	III
TGM1N-320L	AC415V	320A	4	III
TGM1N-320L	AC415V	100A	4	III
TGM1N-320L	AC690V	320A	4	III
TGM1N-250L	AC415V	250A	4	III
TGM1N-320M	AC415V	320A	4	111
TGM1N-320M	AC415V	100A	4	111
TGM1N-320M	AC690V	320A	4	111
TGM1N-250M	AC415V	250A	4	
TGM1N-320H	AC415V	320A	4	III
TGM1N-320H	AC415V	100A	4	
TGM1N-320H	AC690V	320A	4	 III
TGM1N-250H	AC415V	250A	4	
TGM1N-320L	AC415V	320A	4	
TGM1N-320L	AC415V	100A	4	III(N)
TGM1N-320L	AC690V	320A	4	III(N)
TGM1N-320M	AC415V	320A	4	III(N)
TGM1N-320M	AC415V	100A	4	III(N)
TGM1N-320M	AC690V	320A	4	III(N)
TGM1N-320H	AC415V	320A	4	III(N)
TGM1N-320H	AC415V	100A	4	III(N)