



Test Report issued under the responsibility of:



TEST REPORT
IEC 60269-6
Low-voltage fuses –
Part 6: Supplementary requirements for fuse-links for the protection
of solar photovoltaic energy systems

Report Number.: 00901-CB2016-CQC-072988

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Total number of pages: 48

Applicant's name: Zhejiang Tengen Electric Co., Ltd.

Address: TENGEN Industry Zone, Lishui, Yueqing City, Zhejiang Province, P.R.China

Test specification:

Standard: IEC 60269-6: 2010 (First Edition) for use in conjunction with IEC 60269-1:2006 (Fourth edition) +A1:2009

Test procedure.....: CB Scheme

Non-standard test method.....: N/A

Test Report Form No.....: IEC60269_6A

Test Report Form(s) Originator.....: VDE

Master TRF: 2012-01

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Test item description.....: Fuse-links for the protection of solar photovoltaic energy systems

Trade Mark.....: TENGEN

Manufacturer: Zhejiang Tengen Electric Co., Ltd.

Model/Type reference.....: RT18-PV/□

Ratings.....: RT18-PV/□
Un: DC1000V
In: 2A,4A,6A,8A,10A,12A,15A,16A,20A
Rated breaking capacity: 20kA
Breaking range and utilization category: gPV

Testing procedure and testing location:		
<input checked="" type="checkbox"/>	CB Testing Laboratory:	Shanghai Testing & Inspection Institute for Electrical Equipment (STIEE)
Testing location/ address		505 Wu Ning Rd. Shanghai 200063, P.R. CHINA
<input type="checkbox"/>	Associated CB Laboratory:	
Testing location/ address		
Tested by (name + signature)		Zhuang Xiaoli 庄晓丽
Approved by (name + signature) ...:		Wei Qingyuan 魏庆媛
<input type="checkbox"/>	Testing procedure: TMP	
Testing location/ address		
Tested by (name + signature)		
Approved by (name + signature) ...:		
<input type="checkbox"/>	Testing procedure: WMT	
Testing location/ address		
Tested by (name + signature)		
Witnessed by (name + signature) ...:		
Approved by (name + signature) ...:		
<input type="checkbox"/>	Testing procedure: SMT	
Testing location/ address		
Tested by (name + signature)		
Approved by (name + signature) ...:		
Supervised by (name + signature) :		
<input type="checkbox"/>	Testing procedure: RMT	
Testing location/ address		
Tested by (name + signature)		
Approved by (name + signature) ...:		
Supervised by (name + signature) :		

List of Attachments (including a total number of pages in each attachment): Internal resistance of the fuse-links measurements see page 47 Temperature-rise and power dissipation measurements see page 48	
Summary of testing:	
Tests performed (name of test and test clause): RT18-PV/□ In=20A Table 102 of IEC60269-6 RT18-PV/□ In=12A Table 103 of IEC60269-6 RT18-PV/□ In=10A Table 102 of IEC60269-6 RT18-PV/□ In=2A Table 103 of IEC60269-6	Testing location: Shanghai Testing & Inspection Institute for Electrical Equipment (STIEE) 505 Wu Ning Rd. Shanghai 200063, P.R. CHINA
Summary of compliance with National Differences: N/A	