



Test Report

Project designation	Type test according to IEC/EN 6026	9-1 and IEC/E	N 60269-2	
Product description	Low-voltage fuse-links for use by a Fuse-links with blade contacts type	uthorized pers NH2C (NV2C)	sons:) / 690V / aM	
Client	ETI Elektroelement d.d. Obrezija 5 1411 Izlake SLOVENIA			
Order from / No.	02/2015 /			
Project number	2.03.02913.1.0/NH2C/690V/aM			
Date of issue	25.08.2015	Test engineer	H. Raheb, MSc	
Total number of issues / No.	1 / 1			
Number of pages	4			
Annex: Number of pages	CB - Test Report No. 2.03.02913.1.0/NH2C/690V/aM/CB/1 (41 pages) CB - Test Report No. 2.03.02913.1.0/NH2C/690V/aM/CB/2 (20 pages) CCA - Test Report No. 2.03.02913.1.0/NH2C/690V/aM/CCA (2 pages)			

The results relate exclusively to the items tested.

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Test item

Identification:

Low-voltage fuse-links for use by authorized persons: Fuse-links with blade contacts type NH2C (NV2C) / 690V / aM ETI Elektroelement d.d. Manufacturer: Factory location: Gabersko 12, 1420 Trbovlje, SLOVENIA Trademark: ETI Size: 2C Rated voltage(s): ~690V Rated current(s): 63A, 80A, 100A, 125A, 160A, 200A, 224A, 250A Rated frequency: 45Hz to 62Hz Utilization category: аΜ

Technical data and description:

See page 4

Testing location, Period of testing

Testing location:

AIT Austrian Institute of Technology GmbH Business Unit Electric Energy Systems Giefinggasse 2 1210 Vienna AUSTRIA

Period of testing: 02 to 07/2015

Test(s)

Test(s) performed: Type test

Test standard(s):

IEC 60269-1:2009 (Ed. 4.1)+A2:2014 and EN 60269-1:2007+A1:2009+A2:2014 IEC 60269-2:2013 (Ed. 5.0) and HD 60269-2:2013

Test procedure(s):

CB-Scheme and CCA-Scheme

Result

The Low-voltage fuse-links for use by authorized persons: Fuse-links with blade contacts type NH2C (NV2C) / 690V / aM have passed the type test successfully.





Testing laboratory



CERTIFIED according to **ISO 9001** confirmed by **Quality Austria** with Reg. No. 00229/1



RECOGNIZED CB TESTING LABORATORY confirmed by

International Electrotechnical Commission under the responsibility of OVE as the National Certification Body

Kerry McMANAMA IECEE EXECUTIVE SECT



Technical data and description

Test item	Low-voltage fuse-links for use by authorized persons: Fuse-links with blade contacts	
Model/Type reference	NH2C (NV2C)	
Manufacturer	ETI Elektroelement d.d.	
Factory location	Gabersko 12, 1420 Trbovlje, SLOVENIA	
Size	2C	
Nature of supply	AC	
Utilization category	aM	
Rated voltage	~690V	
Rated current	63A, 80A, 100A, 125A, 160A, 200A, 224A, 250A	
Rated frequency	45Hz to 62Hz	
Rated breaking capacity	100kA	
Homogeneous series	63A 80A 224A 250A	
Indicating device	In the middle of ceramic body and on cover plate	
Type of gripping-lugs Energized		
Material of fuse-link contacts	CuZn gal. Ag	
Material of fuse-link body	Steatit C221	
Material of cover plates	AI	
Extinguishing means	Quartzsand	

Test Report issued under the responsibility of:



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TEST REPORT IEC 60269-1 Low-voltage fuses Part 1: General requirements

Report Number:	2.03.02913.1.0/NH2C/690V/aM/CB/1
Date of issue:	25.08.2015
Total number of pages::	41
Applicant's name:	ETI Elektroelement d.d.
Address:	Obrezija 5, 1411 Izlake, SLOVENIA
Test specification:	
Standard:	IEC 60269-1:2006 (Fourth edition)+ A1:2009
Test procedure:	CB Scheme
Non-standard test method::	N/A
Test Report Form No:	IEC60269_1B
Test Report Form(s) Originator :	EZU
Master TRF:	Dated 2010-08
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Testing procedure and testing location:				
CB Testing Laboratory:	and the of Teor			
Testing location/ address:	AIT Austrian Institute of Technology GmbH, Giefinggasse 2, 1210 Vienna, AUSTRIA			
Associated CB Laboratory:				
Testing location/ address:				
Tested by (name + signature):	H.Raheb, MSc	falle		
Approved by (name + signature):	Ing.J.Ainetter	loutte		
Testing procedure: TMP				
Testing location/ address:	-			
Tested by (name + signature):	-			
Approved by (name + signature):	-			
Testing procedure: WMT				
Testing location/ address:	-			
Tested by (name + signature):	-			
Witnessed by (name + signature) .:	-			
Approved by (name + signature):	-			
Testing procedure: SMT				
Testing location/ address:				
Tested by (name + signature):	-			
Approved by (name + signature):	-			
Supervised by (name + signature):	-			
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):

Summary of testing:

Tests performed (name of test and test clause) acc. to IEC 60269-1 and IEC 60269-2:

Test	Sample No.							
Test	63A	80A	100A	125A	160A	200A	224A	250A
8.1.4 Dimensions	10-12	4-6	1-3	1-3	1-3	1-3	10-12	10-12
8.1.5.1 Resistance	1-19	1-13	1-7	1-7	1-7	1-7	1-19	1-19
8.3 Power dissipation / Temperature rise	19	-	-	-	-	-	19	19
8.4.3.3 Time- current characteristics, Gates	10-15	4-10	1-7	1-7	1-7	1-7	10-15	10-15
8.4.3.4 Overload	16-18	11-13	-	-	-	-	16-18	16-18
8.4.3.6 Indicating device	1-9	1-3	-	-	-	-	1-9	1-9
8.5 No.1 Breaking capacity	1-3	1-3	-	-	-	-	1-3	1-3
8.5 No.2 Breaking capacity	4-6	-	-	-	-	-	4-6	4-6
8.5 No.3 Breaking capacity	7	-	-	-	-	-	7	7
8.5 No.4 Breaking capacity	8	-	-	-	-	-	8	8
8.5 No.5 Breaking capacity	9	-	-	-	-	-	9	9

<u>Remark:</u> The Amendment 2:2014 of IEC 60269-1:2009 (Ed. 4.1) has been taken into consideration. No additional tests are necessary to perform at aM fuse-links.

Testing location:

AIT Austrian Institute of Technology GmbH Business Unit Electric Energy Systems Giefinggasse 2 1210 Vienna AUSTRIA The AIT Austrian Institute of Technology GmbH is a recognized CB/CCA Testing Laboratory under the responsibility of OVE as the National Certification Body.

Summary of compliance with National Differences: List of countries addressed:

The product fulfils the requirements of IEC 60269-1:2009 (Ed. 4.1) + A2:2014, IEC 60269-2:2013 and EN 60269-1:2007 + A1:2009 + A2:2014, HD 60269-2:2013

Copy of marking plate:

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