

Test Report issued under the responsibility of:



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	TEST REPORT			
IEC 60269-1				
Low-voltage fuses				
Ραπ	1: General requirements			
Report Reference No	285640-TL3-1			
Date of issue:	2020-02-13; Amendment No.1: 2021-08-30			
Total number of pages:	42			
	ETI Elektroelement d.o.o.			
Applicant's name:				
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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Test item description:	Fuse-link, NH-System			
Trade Mark:	ETI			
Manufacturer	ETI Elektroelement d.o.o.; Obrezija 5; 1411 IZLAKE; Slovenia			
Model/Type reference	NH000; NH000I			
Ratings	NH 000; AC 400 V; AC 500 V; 2 A - 100 A; 120 kA; gG			

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Test	ing procedure and testing location:		
	CB Testing Laboratory:	IPH Institut "Prüffeld für elektrische Hochleistungstechnik" GmbH	
Test	ing location/ address:	Landsberger Allee 378A	, 12681 Berlin, Germany
	Associated CB Laboratory:		
Test	ing location/ address:		
	Tested by (name + signature) :	Paul Melchert (authorization of test report) Testing Engineer	Molekart
	Approved by (name + signature) :	Clemens Wegener Reviewer	ay .
	Testing procedure: TMP		· ·
Test	ing location/ address:		
	Tested by (name + signature):		
	Approved by (name + signature) :		
	Testing procedure: WMT		
Test	ing location/ address:		
	Tested by (name + signature) :		
	Witnessed by (name + signature). :		
	Approved by (name + signature) :		
	Testing procedure: SMT		
Test	ing location/ address		
	Tested by (name + signature):		
	Approved by (name + signature) :		
	Supervised by (name + signature):		
	Testing procedure: RMT		
Test	ing location/ address:		
	Tested by (name + signature):		
	Approved by (name + signature) :		
	Supervised by (name + signature):		

VDE File No. 847200-1150-0732/285640 TRF No. IEC60269_1B

	Page 3 o	42 Report No. 285640-TL3-			
List of Attachments (including a total number of pages in each attachment):					
Appendix	1: Values of resistance 2: Calibration of I1 3: Photo documentation	page 37 (1 pages) page 38 (1 pages) page 39-42 (4 pages)			
Summary	of testing:				
History of	CB-Certificates and test reports:				
Origin issue of CB-Certificate: DE1-63154 dated 2020 February 19 Origin issue of CCA-Certificate: DE1 34799 dated 2020 February 19 The original test report: 262286-TL3-1 dated 2020 February 13 262286-TL3-2 dated 2020 February 13 Reason for issuing of Amendment 1: DE1-63154/M1 and DE1 34799/M1 will be issued due to inclusion of rated current of 2 A. The fuse link					
identical in	construction to previous tested fuse lin 3-1 and 268958-TL3-2 dated 2020 De	ks. Therefore, results were taken from test reports			
This test re	eport must be read in conjunction with	e above-mentioned test reports.			
Tests perf	ormed (name of test and test clause	: Testing location:			
6 8.1.4 8.1.5.1 8.2.2 8.3 8.4.3.1 8.4.3.2 8.4.3.2 8.4.3.4 8.4.3.6 8.5 8.6 8.7 8.9 8.11.1.8 8.11.2.2*) 8.11.2.3 8.11.2.4	Markings Arrangement of the fuses and dimensio Resistance Insulating properties Verification of temperature rise and pow dissipation Verification of conventional non-fusing and fusing current Verification of rated current of "g" fuse- links Verification of rated current of "g" fuse- links Verification of gates Overload Operation of indicating devices Verification of the breaking capacity Verification of the breaking capacity Verification of the cut off current characteristics Verification of l ² t characteristics and overcurrent selectivity Verification of resistance to heat Impact resistance of gripping-lugs of moulded material Verification of resistance to abnormal he and fire Verification of resistance to rusting Non-deterioration of insulating parts of fuse-link and fuse-base	 Landsberger Allee 378A, 12681 Berlin, Germany *) VDE Prüf- und Zertifizierungsinstitut Merianstraße 28, 63069 Offenbach Germany Only horizontal standards as: IEC 60695-2-11:2014 			

Summary of compliance with National Differences List of countries addressed:

☑ The product fulfils the requirements of

IEC 60269-1:2006 IEC 60269-1:2006/AMD1:2009 IEC 60269-1:2006/AMD2:2014 IEC 60269-2:2013 IEC 60269-2/AMD:2016 DIN EN 60269-1 (VDE 0636-1):2015-05; EN 60269-1:2007 + A1:2009 + A2:2014 DIN VDE 0636-2 (VDE 0636-2):2014-09; HD 60269-2:2013

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Test Report issued under the responsibility of:



TEST REPORT IEC 60269-2 Low-voltage fuses Part 2: Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application) - Examples of standardized systems of fuses A to K Report Number.....: 285640-TL3-2 Date of issue 2020-02-13; Amendment No.1: 2021-08-30 Total number of pages..... 22 Applicant's name ETI Elektroelement d.o.o. Address Obrezija 5; 1411 IZLAKE; Slovenia Test specification: IEC 60269-1:2006 (Fourth Edition) + A1:2009 Test procedure..... CB Scheme Non-standard test method: N/A Test Report Form No. IEC60269_2C Test Report Form(s) Originator: EZU Master TRF: Dated 2014-06 Copyright © 2014 IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components (IECEE System). All rights reserved. This publication may be reproduced in whole or in part for non-commercial purposes as long as the IECEE is acknowledged as copyright owner and source of the material. IECEE takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context. If this Test Report Form is used by non-IECEE members, the IECEE/IEC logo and the reference to the CB Scheme procedure shall be removed. This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02. General disclaimer:

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VDE File No 847200-1150-0732/285640 Testreport-285640-TL3-2



OD ECS 040-1 January 2019



TEST REPORT SUMMARY				
Report Number	285640-TL3-3			
Date of issue	2021-08-30			
Tested by (name, function, signature):	Melchert (Authorization of test report) Testing engineer re): e): Wegener Technical Certification Officer			
Witnessed by (name, function, signatu	re):			
Approved by (name, function, signature				
Supervised by (name, function, signatu	ire):			
Testing Laboratory	IPH Instiut "Prüffeld für elektrische Hochleistungstechnik" GmbH			
Address:	Landsberger Allee 378A, 12681, Germany			
Testing procedure:				
	ENEC based on IECEE CBTC with number:			
Customer Testing Procedure:	TMP/CTF Stage 1 WMT/CTF Stage 2 SMT/CTF Stage 3			
Applicant:				
Address:	Obrezija 5; 1411 IZLAKE; Slovenia			
Manufacturer	ETI Elektroelement d.o.o.; Obrezija 5; 1411 IZLAKE; Slovenia			
Product	Fuse-link, NH-System			
Model/Type reference	NH000; NH000I			
Trademark	ETI			
Ratings	NH 000; AC 400 V / AC 500 V; 2 A – 100 A; 120 kA			
Certification Scheme	ENEC CCA Other:			
Standard(s)	EN 60269-1:2007 + A1:2009 + A2:2014 used in conjunction with HD 60269-2:2013			
the corresponding IEC Publication.	idard was approved by CENELEC is equivalent with			
The text of the a.m. European Standard was approved by CENELEC with agreed common modifications and is <u>not</u> equivalent with the corresponding IEC Publication. An EU Deviation Addendum has to be issued.				
This EN test report consists of the following parts:				
IEC Test Report Number				
EU Deviation Addendum	IEC TRF No. 60269_2C: 285640-TL3-2			
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