Madalpingelised sulavkaitsmed. Osa 3: Lisanõuded tavaisikute poolt (peamiselt majapidamises ja muudel taolistel rakendustel) kasutamiseks ettenähtud kaitsmetele. Kaitsmete standardsüsteemide A kuni F näited

Low-voltage fuses -- Part 3: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household and similar applications) - Examples of standardized systems of fuses A to F

EESTI STANDARDIKESKUS
ESTONIAN CENTRE FOR STANDARDISATION

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-HD 60269-3:2010 sisaldab Euroopa standardi HD 60269-3:2010 ingliskeelset teksti.	This Estonian standard EVS-HD 60269-3:2010 consists of the English text of the European standard HD 60269-3:2010.
Standard on kinnitatud Eesti Standardikeskuse 31.10.2010 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.	This standard is ratified with the order of Estonian Centre for Standardisation dated 31.10.2010 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.
Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 17.09.2010.	Date of Availability of the European standard text 17.09.2010.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

ICS 29.120.50

HARMONIZATION DOCUMENT

DOCUMENT D'HARMONISATION

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HD 60269-3

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Supersedes HD 60269-3:2007

English version

Low-voltage fuses - Part 3: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household and similar applications) - Examples of standardized systems of fuses A to F

(IEC 60269-3:2010, modified)

Fusibles basse tension -
Partie 3: Exigences supplémentaires pour les fusibles destinés à être utilisés par des personnes non qualifiées (fusibles pour usages essentiellement domestiques et analogues) -
Exemples de systèmes de fusibles normalisés A à F
(CEI 60269-3:2010, modifiée)

Niederspannungssicherungen -
Teil 3: Zusätzliche Anforderungen an Sicherungen zum Gebrauch durch Laien (Sicherungen überwiegend für Hausinstallationen und ähnliche Anwendungen) -
Beispiele für genormte Sicherungssysteme A bis F
(IEC 60269-3:2010, modifiziert)

This Harmonization Document was approved by CENELEC on 2010-09-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for implementation of this Harmonization Document at national level.

Up-to-date lists and bibliographical references concerning such national implementations may be obtained on application to the Central Secretariat or to any CENELEC member.

This Harmonization Document exists in three official versions (English, French, German).

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Ref. No. HD 60269-3:2010 E

Foreword

The text of document 32B/553/FDIS, future edition 4 of IEC 60269-3, prepared by SC 32B, Low-voltage fuses, of IEC TC 32, Fuses, was submitted to the IEC-CENELEC parallel vote.

A draft amendment, containing common modifications to document 32B/553/FDIS, was prepared by Reporting Secretariat CLC/SR 32B, Low-voltage fuses, and was submitted to the formal vote.

The combined texts were approved by CENELEC as HD 60269-3 on 2010-09-01.

This Harmonization Document supersedes HD 60269-3:2007.

This document is to be used in conjunction with EN 60269-1:2007.

This Part 3 supplements or modifies the corresponding clauses or subclauses of Part 1.

Where no change is necessary, this Part 3 indicates that the relevant clause or subclause applies.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

The following dates were fixed:

– latest date by which the HD has to be implemented at national level by publication of a harmonized national standard or by endorsement	(dop)	2011-09-01
– latest date by which the national standards conflicting with the HD have to be withdrawn	(dow)	2013-09-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60269-3:2010 was approved by CENELEC as a Harmonization Document with agreed common modifications as given below.

COMMON MODIFICATIONS

1 General scope

Replace Note 2 by:

NOTE 2 The following fuse systems are standardized systems in respect to their safety aspects. The National Committees shall select at least one complete fuse system of this standard for their national standards. Colour codes are not specified for each fuse system. Where colour codes are indicated, they apply only to that particular fuse system.

Bibliography

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60529	NOTE Harmonized as EN 60529.
ISO 228-1	NOTE Harmonized as EN ISO 228-1.
ISO 228-2	NOTE Harmonized as EN ISO 228-2.

Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Publication	Year	Title	EN/HD	Year
IEC 60068-2-31	-	Environmental testing - Part 2-31: Tests - Test Ec: Rough handling shocks, primarily for equipment-type specimens	EN 60068-2-31	-
IEC 60269-1 + A1	2006 2009	Low-voltage fuses - Part 1: General requirements	EN 60269-1 + A1	2007 2009
IEC 60664	Series	Insulation coordination for equipment within low-voltage systems	EN 60664	Series
IEC 60898-1 (mod) + A1 (mod) + A2	2002 2002 2003	Electrical accessories - Circuit breakers for overcurrent protection for household and similar installations - Part 1: Circuit-breakers for a.c. operation	EN 60898-1 + corr. February + A1 + A11 + A12	2003 2004 2004 2005 2008
IEC 60999-1 (mod)	1990	Connecting devices - Safety requirements for screw-type and screwless-type clamping units for electrical copper conductors - Part 1: General requirements and particular requirements for conductors from 0,5 mm² up to 35 mm² (included)	EN 60999-1[1)]	1993

[1)] EN 60999-1 is superseded by EN 60999-1:2000, which is based on IEC 60999-1:1999.

CONTENTS

FOREWORD 12
INTRODUCTION 14
1 General scope 15
1.2 Normative references 15

Fuse system A – D type fuse system 16
1 General 16
1.1 Scope 16
2 Terms and definitions 16
3 Conditions for operation in service 16
4 Classification 16
5 Characteristics of fuses 16
5.2 Rated voltage 16
5.3.1 Rated current of the fuse-link 17
5.3.2 Rated current of the fuse-holder 17
5.3.3 Rated current of the gauge-piece 17
5.5 Rated power dissipation of a fuse-link and rated acceptable power dissipation of a fuse-holder 17
5.6 Limits of time-current characteristics 17
5.6.1 Time-current characteristics, time-current zones and overload curves 17
5.6.2 Conventional times and currents 17
5.6.3 Gates 18
5.7 Breaking range and breaking capacity 18
5.7.2 Rated breaking capacity 18
6 Markings 18
6.4 Marking of the gauge-pieces 18
7 Standard conditions for construction 19
7.1 Mechanical design 19
7.1.2 Connections including terminals 19
7.1.3 Fuse-contacts 19
7.1.4 Construction of a gauge-piece 19
7.1.6 Construction of a fuse-carrier 20
7.1.7 Construction of a fuse-link 20
7.1.8 Non-interchangeability 20
7.1.9 Construction of a fuse-base 21
7.2 Insulating properties and suitability for isolation 21
7.3 Temperature rise, power dissipation of the fuse-link and acceptable power dissipation of the fuse-holder 22
7.7 I^2t characteristics 22
7.7.1 Pre-arcing I^2t values 22
7.7.2 Operating I^2t values 23
7.8 Overcurrent discrimination of "gG" fuse-links 23
7.9 Protection against electric shock 23
8 Tests 23
8.1.4 Arrangement of the fuse and dimensions 24
8.2 Verification of the insulating properties and the suitability for isolation 25

8.2.1 Arrangement of the fuse-holder 25
8.2.6 Creepage distances, clearances and distances through sealing compound 25
8.3 Verification of temperature rise and power dissipation 25
8.3.1 Arrangement of the fuse 25
8.3.3 Measurement of the power dissipation of the fuse-link 26
8.3.5 Acceptability of test results 26
8.5.1 Arrangement of the fuse 27
8.5.2 Characteristics of the test circuit 27
8.5.5 Test method 27
8.5.8 Acceptability of test results 27
8.7.4 Verification of overcurrent discrimination 27
8.9 Verification of resistance to heat 28
8.9.1 Fuse-base 28
8.9.2 Fuse-carrier 29
8.10 Verification of non-deterioration of contacts 30
8.10.1 Arrangement of the fuse 30
8.10.2 Test method 30
8.10.3 Acceptability of test results 31
8.11 Mechanical and miscellaneous tests 31
8.11.1 Mechanical strength 31
Annex AA (informative) Special test for cable overload protection (for fuse system A) 66

Fuse system B – Cylindrical fuses (NF cylindrical fuse system) 67
1 General 67
1.1 Scope 67
2 Terms and definitions 67
3 Conditions for operation in service 67
4 Classification 68
5 Characteristics of fuses 68
5.2 Rated voltage 68
5.3.1 Rated current of the fuse-link 68
5.3.2 Rated current of the fuse-holder 68
5.5 Rated power dissipation of a fuse-link and rated acceptable power dissipation of a fuse-holder 68
5.6.2 Conventional times and currents 68
5.6.3 Gates 69
5.7.2 Rated breaking capacity 69
6 Markings 69
7 Standard conditions for construction 69
7.1 Mechanical design 69
7.1.2 Connections including terminals 69
7.1.6 Construction of a fuse-carrier 70
7.1.7 Construction of a fuse-link 70
7.1.8 Non-interchangeability 70
7.1.9 Construction of a fuse-base 70
7.2 Insulating properties and suitability for isolation 71

7.3 Temperature rise, power dissipation of the fuse-link and acceptable power dissipation of the fuse-holder 72
7.7 I^2t characteristics 72
7.7.1 Pre-arcing I^2t values 72
7.7.2 Operating I^2t values 72
7.8 Overcurrent discrimination of "gG" fuse-links 72
7.9 Protection against electric shock 72
8 Tests 73
8.1.6 Testing of fuse-holders 73
8.3.1 Arrangement of the fuse 73
8.3.3 Measurement of the power dissipation of the fuse-link 74
8.4 Verification of operation 75
8.4.1 Arrangement of the fuse 75
8.5 Verification of the breaking capacity 75
8.5.1 Arrangement of the fuse 75
8.5.5 Test method 76
8.5.8 Acceptability of test results 76
8.7.4 Verification of overcurrent discrimination 76
8.8 Verification of the degree of protection of enclosures 76
8.8.1 Verification of protection against electric shock 76
8.9 Verification of resistance to heat 76
8.10 Verification of non-deterioration of contacts 77
8.10.1 Arrangement of the fuse 77
8.10.2 Test method 77
8.10.3 Acceptability of test results 77
8.12 Verification of the reliability of terminals 81

Fuse system C – Cylindrical fuses (BS cylindrical fuse system) 90
1 General 90
1.1 Scope 90
2 Terms and definitions 90
3 Conditions for operation in service 90
4 Classification 90
5 Characteristics of fuses 91
5.2 Rated Voltage 91
5.3 Rated current 91
5.3.1 Rated current of the fuse-link 91
5.3.2 Rated current of the fuse-holder 91
5.5 Rated power dissipation of a fuse-link and rated acceptable power dissipation of a fuse-holder 91
5.6 Limits of time-current characteristics 91
5.6.1 Time-current characteristics, time-current curves and overload curves 91
5.6.2 Conventional times and currents 91
5.7 Breaking range and breaking capacity 91
5.7.2 Rated breaking capacity 91
6 Markings 92
7 Standard conditions for construction 92

7.1 Mechanical design 92
7.1.2 Connections including terminals 92
7.1.6 Construction of a fuse-carrier 92
7.1.7 Construction of a fuse-link 92
7.1.8 Non-interchangeability 92
7.1.9 Construction of a fuse-base 92
7.2 Insulating properties and suitability for isolation 92
7.3 Temperature rise, power dissipation of the fuse-link and acceptable power dissipation of the fuse-holder 93
7.7 I^2t characteristics 93
7.9 Protection against electric shock 93
8 Tests 93
8.1 General 93
8.1.4 Arrangement of the fuse 93
8.3 Verification of temperature rise and power dissipation 93
8.3.1 Arrangement of the fuse 93
8.3.3 Measurement of the power dissipation of the fuse-link 93
8.4 Verification of operation 93
8.4.1 Arrangement of fuse 93
8.5 Verification of breaking capacity 93
8.5.1 Arrangement of the fuse 93
8.5.2 Characteristics of the test circuit 93
8.5.5 Test method 94
8.5.8 Acceptability of test results 94
8.10 Verification of non-deterioration of contacts 94
8.10.1 Arrangement of the fuse 94
8.10.2 Test method 94
8.10.3 Acceptability of test results 94

Fuse system D – Cylindrical fuses (Italian cylindrical fuse-system) 104
1 General 104
1.1 Scope 104
2 Terms and definitions 104
3 Conditions for operation in service 104
4 Classification 104
5 Characteristics of fuses 104
5.3.1 Rated current of the fuse-link 104
5.3.2 Rated current of the fuse-holder 105
5.5 Rated power dissipation of a fuse-link and rated acceptable power dissipation of a fuse-holder 105
5.6 Limits of time-current characteristics 106
5.6.1 Time-current characteristics, time-current zones and overload curves 106
5.6.2 Conventional times and currents 106
5.6.3 Gates 106
5.7.2 Rated breaking capacity 106
6 Markings 107
7 Standard conditions for construction 107
7.1 Mechanical design 107

7.1.2 Connections including terminals 107
7.1.6 Construction of a fuse-carrier 107
7.1.7 Construction of a fuse-link 107
7.1.8 Non-interchangeability 108
7.1.9 Construction of a fuse-base 108
7.2 Insulating properties and suitability for isolation 108
7.3 Temperature rise, power dissipation of the fuse-link and acceptable power dissipation of the fuse-holder 109
7.7 I^2t characteristics 109
7.7.1 Minimum pre-arcing I^2t values at 0,01 s 109
7.7.2 Maximum operating I^2t values at 0,01 s 110
7.9 Protection against electric shock 110
8 Tests 110
8.1.6 Testing of the fuse-holder 110
8.3 Verification of temperature rise and power dissipation 111
8.3.1 Arrangement of the fuse 111
8.3.3 Measurement of the power dissipation of the fuse-link 111
8.4 Verification of operation 112
8.4.1 Arrangement of the fuse 112
8.5 Verification of the breaking capacity 112
8.5.1 Arrangement of the fuse 112
8.5.5 Test method 112
8.5.8 Acceptability of test results 112
8.7.4 Verification of discrimination 112
8.9 Verification of resistance to heat 112
8.9.1 Test in heating cabinet 112
8.9.2 Ball-pressure test 113
8.10 Verification of non-deterioration of contacts 113
8.10.1 Arrangement of the fuse 113
8.10.2 Test method 113
8.10.3 Acceptability of test results 114
8.11 Mechanical and miscellaneous tests 114

Fuse system E – Pin-type fuses 124
1 General 124
1.1 Scope 124
2 Terms and definitions 124
2.3 Characteristic quantities 124
3 Conditions for operation in service 125
4 Classification 125
5 Characteristics of fuses 125
5.3.3 Rated current of the gauge-piece 125
5.5 Rated power dissipation of the fuse-link 125
5.6 Limits of time-current characteristics 125
5.6.2 Conventional times and currents 125
5.6.3 Gates 125
5.7.2 Rated breaking capacity 126
6 Markings 126

6.1 Markings of fuse-holders 126
6.2 Markings of fuse-links 126
6.4 Markings of the gauge-pieces 126
7 Standard conditions for construction 126
7.1.4 Construction of the gauge-piece 126
7.1.6 Construction of a fuse-carrier 126
7.1.7 Construction of a fuse-link 127
7.1.8 Non-interchangeability 127
7.1.9 Construction of a fuse-base 127
7.3 Temperature rise, power dissipation of the fuse-link and acceptable power dissipation of the fuse-holder 127
7.9 Protection against electric shock 128
8 Tests 128
8.3 Verification of temperature rise and power dissipation 128
8.3.1 Arrangement of the fuse 128
8.3.3 Measurement of the power dissipation of the fuse-link 128
8.3.4 Test method 129
8.5.5 Test method 130
8.10 Verification of non-deterioration of contacts 130
8.10.1 Arrangement of the fuse 130
8.10.2 Test method 130
8.10.3 Acceptability of test results 131

Fuse system F – Cylindrical fuse-links for use in plugs (BS plugtop system) 137
1 General 137
1.1 Scope 137
2 Terms and definitions 137
3 Conditions for operation in service 137
4 Classification 137
5 Characteristics of fuses 137
5.2 Rated voltage 137
5.3.1 Rated current of the fuse-link 138
5.3.2 Rated current of the fuse-holder 138
5.5 Rated power dissipation of a fuse-link and rated acceptable power dissipation of a fuse-holder 138
5.6.1 Time-current characteristics, time-current zones and overload curves 138
5.6.2 Conventional times and currents 138
5.6.3 Gates 138
5.7.2 Rated breaking capacity 138
6 Markings 138
7 Standard conditions for construction 139
7.1.7 Construction of a fuse-link 139
7.1.8 Non-interchangeability 139
7.2 Insulating properties and suitability for isolation 139
7.3 Temperature rise, power dissipation of the fuse-link and acceptable power dissipation of the fuse-holder 139
7.7 I^2t characteristics 139
7.7.1 Pre-arcing I^2t values 139

7.9 Protection against electric shock 139
8 Tests 140
8.1.4 Arrangement of the fuse-link for tests 140
8.1.5 Testing of fuse-links 140
8.2.4 Acceptability of test results 141
8.3 Verification of temperature rise and power dissipation 142
8.3.1 Arrangement of the fuse 142
8.3.4 Test method 142
8.3.5 Acceptability of test results 142
8.4 Verification of operation 142
8.4.1 Arrangement of the fuse 142
8.5 Breaking-capacity tests 143
8.5.1 Arrangement of the fuse 143
8.5.2 Characteristics of the test circuit 143
8.5.4 Calibration of the test circuit 143
8.5.5 Test method 143
8.5.8 Acceptability of test results 143
8.7 Verification of I^2t characteristics and overcurrent discrimination 144
8.7.3 Verification of compliance for fuse-links at 0,01 s 144
8.10 Verification of non-deterioration of contacts 144
8.11.1 Mechanical strength 144
Annex BB (informative) (for all fuse systems) – Alternative tests for tests No. 1 and No. 2 of Table 20 of IEC 60269-1 150
Annex CC (informative) Recommendations for future designs of fuses (for all fuse systems) 152
Bibliography 153

Figure 101 – Time-current zones for "gG" fuse-links 35
Figure 102 – Time-current zones for "gG" fuse-links 36
Figure 103 – Time-current zone for "gG" fuse-links 13 A 37
Figure 104 – Dummy fuse-links according to 8.3 and 8.9.1.1 38
Figure 105 – Test rigs for fuse-links 39
Figure 106 – Test rigs for fuse-links 40
Figure 107 – Test arrangement for fuse-bases according to 8.9.1.2 41
Figure 108 – Example of a torque wrench according to 8.9.2 42
Figure 109 – Measuring points for the voltage drop (B, C) or the temperature rise (A, D) 43
Figure 110 – Fuse-link, D-type. Sizes D01-D03 44
Figure 111 – Fuse-link, D-type. Sizes DII-DIV 45
Figure 112 – Fuse-carrier, D-type. Sizes D01-D03 47
Figure 113 – Fuse-carrier, D-type. Sizes DII-DIII 48
Figure 114 – Fuse-carrier, D-type. Size DIV 49
Figure 115 – Edison thread for D-type fuses; limit dimensions 50
Figure 116 – Gauges for Edison thread for D-type fuses for screwed shells of fuse-carrier go ring gauges 51
Figure 117 – Gauges for Edison thread, D-type fuses, go and not-go plug gauges for screwed shells of fuse-bases 52
Figure 118 – Fuse-base, D-type. Sizes D01-D03 54

Figure 119 – Fuse-base, D-type. Sizes DII-DIV 55
Figure 120 – Fuse-base, D-type for push-in gauge pieces. Size DII-DIII 57
Figure 121 – Gauge-piece and hand-key, D-type. Sizes D01-D03 59
Figure 122 – Gauge-piece and hand-key, D-type. Sizes DII-DIV 60
Figure 123 – Gauge-piece and hand-key, D-type push-in gauge rings. Size DII-DIII 62
Figure 124 – Whitworth thread W 3/16 for screw-in gauge rings and corresponding fuse-bases of sizes DII and DIII 64
Figure 125 – Gauges C 17 for concentricity of fuse-bases 65
Figure 201 – Fuse-link 82
Figure 202 – Dummy fuse-link 83
Figure 203 – Test-rig and ferrules for the measurement of the voltage drop and the verification of operating characteristics of the cartridge 84
Figure 204 – Fuse-base, A-type and B-type 86
Figure 205 – Housing for verification of operation of the fuse-links with a test rig according to Figure 203 87
Figure 206 – Test rig and ferrules for verification of breaking capacity 88
Figure 207 – Gauge for verification of the upholding of the cartridge in the fuse-carrier during withdrawal 89
Figure 301 – Details of cylindrical fuse-links 96
Figure 302 – Typical outline dimensions of carriers and bases for 230 V cylindrical fuse-links 97
Figure 303 – Typical carrier and base for 400 V cylindrical fuse-links 98
Figure 304 – Time-current zones for "gG" fuse-link 99
Figure 305 – Time-current zones for "gG" fuse-link 100
Figure 306 – Standard test rig for power-dissipation test 101
Figure 307 – Breaking-capacity test rig 102
Figure 401 – Cylindrical fuse-link type C 118
Figure 402 – Fuse-base 119
Figure 403 – Time-current zones 120
Figure 404 – Time-current zones 121
Figure 405 – Test rig 122
Figure 406 – Dummy fuse-link 123
Figure 407 – Housing for verification of operation of the fuse-links 123
Figure 501 – Pin-type fuses – Fuse-links 133
Figure 502 – Pin-type fuses – Fuse-holder 134
Figure 503 – Pin-type fuses – Gauge-pieces 230 V 135
Figure 504 – Dummy fuse-link for the temperature-rise test 136
Figure 601 – Dimensions for cylindrical fuse-links (primarily used in plugs) 145
Figure 602 – Time-current zones for "gG" fuse-links 146
Figure 603 – Test fuse-base 147
Figure 604 – Typical diagram of the circuit used for breaking-capacity tests 149
Figure BB.1 – Instant of making for Test No. 1 151

Table 101 – Maximum values of power dissipation 17
Table 102 – Conventional time and current for "gG" fuse-links 18

Table 103 – Gates for specified pre-arcing times of "gG" fuse-links with rated currents 2 A, 4 A, 6 A, 10 A, 13 A and 35 A 18
Table 104 – Cross-sections of rigid (solid or stranded) or flexible copper conductors 19
Table 105 – Creepage distances, clearances and distances through sealing compound 22
Table 106 – Temperature-rise limits for terminals 22
Table 107 – Pre-arcing I^2t values at 0,01 s for "gG" fuse-links 23
Table 108 – I^2t values for the discrimination with circuit breakers 23
Table 109 – Survey of tests on fuse-links 24
Table 110 – Survey of tests on fuse-bases, fuse-carriers and gauge-pieces 24
Table 111 – Test torque for verification of temperature rise and power dissipation 26
Table 112 – Test according to 8.5.5.1 27
Table 113 – Test currents and I^2t limits for the discrimination test 28
Table 114 – Power dissipation of a dummy fuse-link at rated and conventional fusing currents including tolerances 29
Table 115 – Test-torque for mechanical strength 32
Table 116 – Mechanical strength of screw-thread 33
Table 201 – Maximum values of rated power dissipation and values of rated acceptable power dissipation 68
Table 202 – Conventional times and currents for "gG" fuse-links 69
Table 203 – Gates for specified pre-arcing times of "gG" fuse-links with rated currents lower than 16 A 69
Table 204 – Minimum rated breaking capacities 69
Table 205 – Nominal section of copper conductors that the terminals shall accept 70
Table 206 – Creepage distances and clearances 71
Table 207 – Temperature rise limits for terminals 72
Table 208 – Pre-arcing I^2t values at 0,01 s for "gG" fuse-links 72
Table 209 – Survey of tests on fuse-link 73
Table 210 – Survey of tests on fuse-holder and number of fuse-holders to be tested 73
Table 211 – Screw-thread diameters and applied torques 74
Table 212 – Values concerning the choice and the adjustment of the test base 75
Table 213 – Values for adjustment of the test base 75
Table 214 – Hammer and height of fall for test for verification of resistance to shocks 79
Table 215 – Torque to be applied to the fuse-carrier 80
Table 216 – Mechanical strength of screw-thread 80
Table 301 – Conventional time and current for "gG" fuse-links 91
Table 302 – Temperature-rise limits for terminals 93
Table 303 – Mechanical strength of screw-thread 95
Table 401 – Fuse-links: rated currents, sizes and colours of indicating devices (if any) 105
Table 402 – Rated currents of fuse-holders 105
Table 403 – Maximum rated power dissipation of fuse-links 105
Table 404 – Rated acceptable power dissipation of fuse-holder 106
Table 405 – Conventional times and currents for fuse-links of I_n < 16 A 106
Table 406 – Gates for specified pre-arcing times of "gG" fuse-links with rated currents lower than 16 A 106
Table 407 – Minimum rated breaking capacities 107

Table 408 – Cross-sectional areas 107
Table 409 – Creepage distances and clearances 109
Table 410 – Temperature-rise limits for terminals 109
Table 411 – Minimum pre-arcing I^2t values at 0,01 s 110
Table 412 – Maximum operating I^2t values at 0,01 s 110
Table 413 – Survey of the complete tests on fuse-holders and number of fuse-holders to be tested 111
Table 414 – Contact forces of the test rig 111
Table 415 – Torque to be applied to the screw-type fuse-carrier 112
Table 416 – Mechanical strength of screw-thread 114
Table 501 – Maximum values of rated power dissipation 125
Table 502 – Conventional times and currents for fuse-links of I_n < 16 A 125
Table 503 – Gates for specified pre-arcing times of "gG" fuse-links with rated currents lower than 16 A 126
Table 504 – Temperature-rise limits for terminals 128
Table 505 – Torques 128
Table 506 – Cross-sectional areas 129
Table 507 – Power dissipation of the dummy fuse-link 129
Table 508 – Dummy fuse-link 130
Table 509 – Mechanical strength of screw-thread 132
Table 601 – Conventional times and conventional currents 138
Table 602 – Gates for specified pre-arcing times of "gG" fuse-links for use in plugs 138
Table 603 – Temperature-rise limits for terminals 139
Table 604 – Pre-arcing I^2t values at 0,01 s for "gG" fuse-links 139
Table 605 – Survey of tests on fuse-links 141
Table 606 – Values for breaking-capacity tests 143
Table B.1 – Approximate values of prospective currents for breaking capacity test No. 2 150

INTRODUCTION

A reorganization of the different parts of the IEC 60269 series has been carried out, in order to simplify its use, especially by the laboratories which test the fuses.

This fourth edition is based on edition 3 of IEC 60269-3. Edition 3 was a result of a restructuring of the IEC 60269 series of standards in 2006. At this time IEC 60269-1, IEC 60269-2, IEC 60269-2-1, IEC 60269-3 and IEC 60269-3-1 have been integrated into either the new part 1 or the new parts 2 or 3, according to the subjects considered, so that the clauses which deal exclusively with “fuses for authorised persons” are separated from the clauses dealing with “fuses for unskilled persons”.

As far as IEC 60269-4 and IEC 60269-4-1 are concerned, they have been integrated into the new part 4 which deals with the fuse-links used for semiconductor protection.

LOW-VOLTAGE FUSES –

Part 3: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household and similar applications) – Examples of standardized systems of fuses A to F

1 General scope

Fuses for use by unskilled persons according to the following fuse systems comply with all subclauses of IEC 60269-1 and with the requirements laid down in the relevant fuse systems.

This standard is divided into six fuse systems, each dealing with a specific example of standardized fuses for use by unskilled persons:

- Fuse system A: D type fuse system
- Fuse system B: Cylindrical fuses (NF cylindrical fuse system)
- Fuse system C: Cylindrical fuses (BS cylindrical fuse system)
- Fuse system D: Cylindrical fuses (Italian cylindrical fuse system)
- Fuse system E: Pin-type fuses
- Fuse system F: Cylindrical fuse-links for use in plugs (BS plugtop fuse system)

NOTE 1 Examples of standardized fuses complying with the requirements of IEC 60269-1 are listed in the present standard. Other examples may be added, provided that they comply with these requirements.

For recommendations for future designs of fuses, see Annex CC.

NOTE 2 The following fuse systems are standardized systems with respect to their safety aspects.

The National Committees may select from the examples of standardized fuses one or more systems for their own standards. Colour codes are not specified for each fuse system. Where colour codes are indicated, they apply only to that particular fuse system.

1.2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60068-2-31, *Environmental testing – Part 2-31: Tests – Test Ec: Rough handling shocks, primarily for equipment-type specimens*

IEC 60269-1:2006, *Low-voltage fuses – Part 1: General requirements*
Amendment 1 (2009)

IEC 60664 (all parts), *Insulation coordination for equipment within low-voltage systems*

IEC 60898-1:2002, *Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations – Part 1:Circuit-breackers for a.c. operation*
Amendment 1(2002)
Amendment 2 (2003)

IEC 60999:1990, *Connecting devices – Electrical copper conductors – Safety requirements for screw-type and screwless-type clamping units for electrical copper conductors*