

Prúdové chrániče so vstavanou nadprúdovou ochranou pre domácnosť a na podobné použitie (RCBO). Časť 1: Všeobecné pravidlá. Zmena A1

STN EN 61009-1/A1

35 4183

Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs). Part 1: General rules

Táto norma obsahuje anglickú verziu európskej normy. This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 05/15

STN EN 61009-1 z októbra 2013 sa bez zmeny A1 môže používať do 04. 08. 2017.

Obsahuje: EN 61009-1:2012/A1:2014, IEC 61009-1:2010/A1:2012

#### 120755

STN EN 61009-1/A1: 2015

EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM EN 61009-1:2012/A1

October 2014

ICS 29.120.50

#### **English Version**

Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) - Part 1: General rules (IEC 61009-1:2010/A1:2012, modified)

Interrupteurs automatiques à courant différentiel résiduel avec dispositif de protection contre les surintensités incorporé pour usages domestiques et analogues (DD) - Partie 1: Règles générales (CEI 61009-1:2010/A1:2012, modifiée)

Fehlerstrom-/Differenzstrom-Schutzschalter mit eingebautem Überstromschutz (RCBOs) für Hausinstallationen und für ähnliche Anwendungen - Teil 1: Allgemeine Anforderungen (IEC 61009-1:2010/A1:2012, modifiziert)

This amendment A1 modifies the European Standard EN 61009-1:2012; it was approved by CENELEC on 2014-08-04. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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



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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents	Page
Foreword	3
Common modifications	4

#### **Foreword**

This document (EN 61009-1:2012/A1:2014) consists of the text of IEC 61009-1:2010/A1:2012 prepared by SC 23E "Circuit-breakers and similar equipment for household use" of IEC/TC 23 "Electrical accessories", together with the common modifications prepared by CLC/TC 23E "Circuit breakers and similar devices for household and similar applications".

The following dates are fixed:

- latest date by which this document has to be implemented at (dop) 2015-08-04 national level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with this (dow)
   2017-08-04
   document have to be withdrawn

Clauses, subclauses, notes, tables, figures and annexes which are additional to those in IEC 61009-1:2010/A1:2012 are prefixed "Z".

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

This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC).

This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

#### **Endorsement notice**

The text of the International Standard IEC 61009-1:2010/A1:2012 was approved by CENELEC as a European Standard with agreed common modifications.

### **Common modifications**

Item	Clause	Common modifications			
1.	1	Replace			
		"Delete Note 8 and replace it by the following paragraph and new Note 8"			
		by			
		"Replace the paragraph beginning by "For RCBOs incorporated" by the following paragraph and add a new Note 8:"			
		<b>Delete</b> "the requirements of IEC 60884-1 or" in the new paragraph.			
		Add "for socket-outlets" between "national requirements" and "of the country".			
2.	2	<b>Delete</b> the modifications to Clause 2.			
3.	4.10	Replace the modifications to 4.10 by			
		"Delete the title "4.10.1 According to the fixation system" (but keep the contents of this subclause).			
		Delete the subclause 4.10.2 (both title and contents)."			
4.	4.13	<b>Delete</b> the last dash and Note 3.			
5.	Table 2	Delete "In the table, replace the word "non-operating" by "non-actuating"."			
6.	5.3.10	Add a new modification:			
		"5.3.10 Standard values of rated impulse withstand voltage ( $U_{\rm imp}$ )			
		Delete Note 2."			
7.	6	Replace			
		"Replace the contents of item I) by the following:"			
		by			
		"Replace the contents of item I) in Table Z3 by the following:"			
8.	6	<b>Delete</b> the two paragraphs beginning by "Replace the third paragraph" and finishing by "manufacturer's catalogue."			
9.	6	Replace			
		"Replace in the eleventh paragraph after Note 1, the word "circuit" by "conductor""			
		by			
		"Replace in the ninth paragraph of 6.Z1, the word "circuit" by "conductor""			
10.	6	Replace			
		"Add the following text at the end of Clause 6:"			
		by			
		"Add the following text at the end of Clause 6.Z1:"			
11.	8.1.3	<b>Delete</b> "before 9.7.1" in the new Note 1.			
12.	8.1.3 Table 7	Delete "Delete, in this table, point 5 in the first column and the existing Note 3."			

Item	Clause	Common modifications				
13.	8.1.5.1	Replace				
		"Delete the second paragraph and the note in this subclause."				
		by				
		"Insert a second paragraph:				
		In this standard, only terminals for copper conductors are considered."				
14.	8.1.5.1	Replace				
		"Annexes J, K or L"				
		by				
		"Annexes J or K"				
15.	8.1.5.2	Replace				
"or terminals for external untreated aluminium conductors and with alum type terminals for use with copper or with aluminium conductors accordi						
		by				
		"VOID"				
16.	8.1.5.2 Table 8	Delete "NOTE Information on AWG is given in Annex ID."				
17.	8.13	<b>Delete</b> the modifications to 8.13.				
18.	9.1.1	Replace				
	Table 12	"items"				
		by				
		"item"				
		Delete the first dashed item				
		"- Limiting values of the non-operating current under overcurrent conditions 9.18"				
19.	9.5.1	Delete "NOTE Information on AWG is given in Annex ID."				
20.	9.7.7.1	Add the following new modification:				
	Table 18	"Replace the title of Table 18 by "Void" and delete the table."				
21.	9.7.7.2	Delete twice "(or path)"				

Item	Clause	Common modifications					
22.	9.7.7.4.1	Delete the two following rows:	Delete the two following rows:				
	Table 28	Single-phase system with mid-point earthed 120/240 <sup>a)</sup>	3,5	3,5	3,4	3,2	3,0
		Single phase system 120/240 240 <sup>b)</sup>	6,2	6,0	5,8	5,6	5,0
	Replace						
		"Three-phase systems 230/400" by					
		"Single-phase systems 230 or 40 Three-phase systems 400 or 230					
		<b>Delete</b> the two footnotes <sup>a)</sup> and	d <sup>b)</sup> .				
23.	9.7.7.4.3	Delete twice "(or path)"					
24.	9.7.7.5	In the paragraph after Note 1, <b>replace</b> "50/60 Hz"					
		by					
		"50 Hz"					
25.	9.7.7.5	Delete "(or path)" in the first d	ashed iten	١.			
26.	9.7.7.5	Replace the last sentence of t	Replace the last sentence of the paragraph after Note 4 by:				
		"One test only is made, on one pole taken at random, with measurement of break time: the latter shall not exceed the value specified in Table 2 at $I_{\Delta n}$ ."					
27.	9.7.7.5	Delete the last paragraph "Thi	is test is no	ot applied to	devices w	ith solid ne	utral."
28.	9.9.2.2	Delete the modifications to 9.9.2.2.					
29.	9.12.2	Delete the two following dashed items:					
		"- a single-pole RCBO with two current paths;"					
		"- a three-pole RCBO with four current paths;"					
30.	9.12.2	Replace					
		"The voltage sensors are connected					
		across the terminals of the pole for single-pole RCBOs;					
		across the supply terminal	ais for mult	ipoie RCBC	JS."		
		"The voltage sensors are con	nected acr	nee the eur	nly termina	le "	
31.	9.12.9.1	Replace the modification to 9.	"The voltage sensors are connected across the supply terminals."				
01.	0.12.0.1	"Replace at the end of paragra		lote 1 "Fiai	ire 7 and 1	1 <i>" by</i> "Fiaur	es 7 and 8" "
		. Topiaco at the cha of paragre	apri arter N	, i igc	aro r unu i	. Zy i igui	

Item	Clause	Common modifications	
32.	9.12.11.2.1	In the second paragraph, replace	
		"105 %"	
		by	
		"110 %"	
		Add a sentence at the end of the second paragraph:	
		"Phases which do not carry the short circuit current during this test shall be connected to the supply voltage at the line terminals."	
		Add a new paragraph after the second paragraph:	
		"The measurement of the break time shall be carried out at every test and the values shall comply with the values of Table 2."	
33.	9.12.11.2.2	Add a new modification at the end of the modifications to 9.12.11.2.2:	
		"Delete the last paragraph."	
34.	9.12.11.3	In the first paragraph, <b>replace</b>	
		"ninth"	
		by	
		"seventh"	
		<b>Delete</b> the paragraph beginning with "For three-pole".	
		<b>Delete</b> the paragraph beginning with "For four-pole"	
		In the last paragraph, <b>delete</b> "single-pole and".	
35.	9.12.11.4	Add a new modification:	
		"In paragraph d), replace "Figure 11" by "Figure 7""	
36.	9.12.13.1	<b>Delete</b> the modification to 9.12.13.1.	
37.	9.12.13.2	<b>Delete</b> the modification to 9.12.13.2	
38.	9.15	Replace	
		"From the fifth to the ninth paragraph,"	
		by	
		"From the sixth to the tenth paragraph,"	
39.	9.18	<b>Delete</b> the modification to 9.18.	
40.	9.19.1	<b>Delete</b> the modification to 9.19.1.	
41.	9.24 Table 27	<b>Delete</b> the modification to Table 27.	
42.	9.25	Replace	
		" Add before Figure 1 the following new subclause:"	
		by	
		"Add before 9.Z1, the following new subclause:"	
43.	Before	In the first line of the modification, replace	
	Figure 7	"to 12"	
		by	
		"and 11"	

Item	Clause	Common modifications						
44.	Figure 8	Replace						
		"Figure 8 – Test circuit for the verification of the rated short-circuit capacity of a spole RCBO with two-current paths (9.12)  Replace Figure 8 by the following:"						
		by	by					
		_	"Figure 8 – Void Reintroduce Figure 8 as follows:"					
45.	Figure 9	Repla	ice					
		pole F		r the verification of the rated short-circuit capacity of a two- single-phase circuit (9.12) following:"				
		by						
			e 9 – Void roduce Figure 9 as i	follows:"				
46.	Figures 10	Repla	ice					
	to 12	"Delete Figures 10, 11 and 12 and replace by "Void"."						
		by						
		"Delete Figure 11 and replace by "Void"."						
47.	Figure 22	Delete	e "Delete Figure 22	and replace by "Void"."				
48.	Annex A	Repla	ce the test sequen	ce D <sub>1</sub> of the new Table A.1 by:				
	Table A.1	$D_1$	9.17	Behaviour in case of failure of the line voltage				
			9.19	Behaviour in case of surge currents				
			9.21	D.C. components				
			9.16	Test device				
49.	Annex A	Repla	ice the test sequen	ces F <sub>0</sub> , F <sub>1</sub> and G of the new Table A.1 by:				
	Table A.1	F <sub>0</sub>	9.12.11.4 b) (and 9.12.12)	Performance at service short-circuit capacity				
		F <sub>1</sub>	9.12.11.4 c) (and 9.12.12.2)	Performance at rated short-circuit capacity				
		F <sub>2</sub>	9.12.11.4 d) (and 9.12.12.2)	Performance at $I_{\Delta m}$				
		$G_0$	9.22.1	Reliability (climatic tests)				
		G <sub>1</sub>	9.Z1	Verification of correct operation at low ambient air temperature of RCBOs operating at temperatures between -25 °C and + 40 °C				

Item	Clause	Common modi	Common modifications					
50.	Annex A	Replace	Replace					
	Table A.2	"In Table A.2, replace A by A <sub>1.</sub>						
		In Table A.2, ad	ld a new row af	fer the new $A_1$ o	containing the fo	ollowing:		
		A <sub>2</sub>	3	2	3			
		,,						
		by						
		"In Table A.2, re	place A by the	following:	1	٦		
		A <sub>1</sub>	1	1	-			
		A <sub>2</sub>	3	2	3			
		and delete footr	note <sup>f</sup> ".					
51.	Annex A Table A.4	Add a new mod						
	Table A.4	"In Table A.4, re	•	_				
			ın. For sequence	E <sub>0</sub> , only the test		les of maximum rating I <sub>n</sub> with performed on one sample of		
52.	Annex G	Replace all mod	difications to An	nex G by				
		"Add "G.1 General" before introduction and renumber all clauses accordingly.						
		G.4.2.3 Marking of the assembled circuit breaker and r.c. unit (RCBO)						
		Replace all paragraphs of G.4.2.3 by the following:						
Marking c) on the r.c. unit, if lower than the maximum rated voltage breaker with which the r.c. unit may be assembled, shall remain vis								
	The marking of the maximum rated current of the circuit-breaker with which may be assembled shall not be visible after assembly.							
		Marking I) of the r.c. unit, if applicable, shall always remain visible after assembly.						
		G.4.3 Instructions for assembly and operation						
		Delete the seco	nd dashed item	("method of as	sembly").			
		G.5.1 Genera	I					
		In the last sente	In the last sentence of G.5.1, replace "G.5.4" by "G.6.4".					
		G.5.4 Electric	al compatibilit	y				
		Delete the first paragraph.						
		G.6.4 Verification of marking and constructional requirements of RCBOs						
In the first paragraph, replace" G.3.1, G.3.2, G.3.3, G 4.1, G.4. "G.4.1, G.4.2, G.4.3, G 5.1, G.5.2, G.5.3 and G.5.4".					.2, G.4.3 and G.4.4" by			
		In the second paragraph, replace "G.4.1" by "G.5.1"."						
53.	Annex J	Replace						
"Add the following new Annexes J, K and L" by								
		"Replace Annex	es ZE and ZF l	y the following	new Annexes	J and K "		

**–** 10 **–** 

Item	Clause	Common modific	Common modifications					
54.	Annex J	In the first paragra	In the first paragraph, <b>replace</b>					
	J.1	"with screwless terminals" by						
		"with universal scre	ewless terminals"					
55.	Annex J	Replace Note 1 by	,					
	J.1	"NOTE 1 Non-unive	ersal terminals are	subject to special n	national conditions	3."		
56.	Annex J J.3.3	Delete Note 1 to e	ntry in Definition .	J.3.3.				
57.	Annex J	Replace						
	J.6	"Non-universal terr	minals:"					
		by						
		"Non-universal terr	minals (if accepte	d by Special Natio	onal Conditions)	:"		
58.	Annex J	Replace Table J.1	by					
	J.8.2 Table J.1	Table J.1 – Connectable conductors						
		Connectable conductors and their theoretical diameter						
			Rigid		Flexible			
			Solid	Stranded				
		mm <sup>2</sup>	Ø mm	Ø mm	mm <sup>2</sup>	Ø mm		
		1,0	1,2	1,4	1,0	1,5		
		1,5	1,5	1,7	1,5	1,8		
		2,5	1,9	2,2	2,5	2,3		
		4,0	2,4	2,7	4,0	2,9		
		NOTE Diameters	of the largest rigid and	d flexible conductors	are based on IEC 6	0228.		
59.	Annex J J.10		Delete the last four references (ASTM B172-01a, ICEA S-19-81 / NEMA WC3, ICEA S-66-524 / NEMA WC7 and ICEA S-68-516 / NEMA WC8).					
60.	Annex K	Delete Note 1.	,					
61.	Annex K K.1	At the end of the se	At the end of the second paragraph, <b>delete</b> "(AWG equal to or greater than 12)".					
62.	Annex K	Delete Note 1.						
63.	Annex L	Delete Annex L.						

ltem	Clause	Common modifications						
64.	Annex ZA	Add the following new modifications:						
		"Annex ZA (normative) Normative references to international publications with their corresponding European publications						
		Delete the reference	to IEC	60051.				
		Add the following new references to the existing list:						
		<u>Publication</u>	<u>Year</u>	<u>Title</u>	EN/HD	Year		
		IEC 60228	2004	Conductors of insulated cables	EN 60228 + corr. May	2005 2005		
		IEC 60364-4-44 (mod) + corr. May	2007 2010	Low-voltage electrical installations Part 4-44: Protection for safety - Protection against voltage disturbances and electromagnetic disturbances	HD 60364-4-444 + corr. July + AC:2012	2010 2010 2012		
		IEC 60664-3	-	Insulation coordination for equipment within low-voltage systems Part 3: Use of coating, potting or moulding for protection against pollution	EN 60664-3	-		
		IEC 60695-2-10	-	Fire hazard testing Part 2-10: Glowing/hot-wire based test methods - Glow-wire apparatus and common test procedure	EN 60695-2-10 <sup>1)</sup>	-		
		IEC 60695-2-11 + corr. January	2000 2001	Fire hazard testing Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end- products	EN 60695-2-11	2001		
		Poplace the reference	o to IE(	2 61542 by the following:				
		IEC 61543	1995	C 61543 by the following:  Residual current-operated	EN 61543	1995		
		- + A1 (mod) -	2004 -	protective devices (RCDs) for household and similar use - Electromagnetic compatibility	+ corr. December + A11 + corr. May	1997 2003 2004		
		+ A2 - "	2005		+ A2 + A12	2006 2005		
65.	Annex ZD	Add a new modificat	ion:					
		"Annex ZD (normat including 63A into	-	ssification of RCBOs Type B limiting classes	and C up to and	I		
		Replace the first sen	tence a	fter Table ZD.2 by:				
		"The maximum I²t va		easured during the test sequend reference the classification.""	ce F <sub>0</sub> or F <sub>1</sub> as app	licable		

\_

 $<sup>^{1)}{\</sup>rm EN}$  60695-2-10 is superseded by EN 60695-2-10:2013, which is based on IEC 60695-2-10:2013.

Item	Clause	Common modifications					
66.	Annex ZXX	Add a new modification:					
		"Annex ZXX (informative) List of clauses that require retesting					
		Replace the contents of Annex ZXX by					
		"Based on EN 61009-1:2012, the following tests and/or requirements have been technically modified and may require retesting or inspection as applicable:					
		<ul> <li>9.5 Test of reliability of screw-type terminals for external copper conductors</li> </ul>					
		<ul> <li>9.7.7.5 Verification of the behaviour of components bridging the basic insulation</li> </ul>					
		<ul> <li>9.15 Test of resistance to abnormal heat and to fire" "</li> </ul>					
67.	Bibliography	<b>Delete</b> "IEC 60228".					
		Replace					
		"IEC 60664-5"					
		by					
		"EN 60664-5".					
		<b>Delete</b> "IEC 60695-2-11:2000".					



## IEC 61009-1

Edition 3.0 2012-04

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

**AMENDMENT 1** 

**AMENDEMENT 1** 

Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) –

Part 1: General rules

Interrupteurs automatiques à courant différentiel résiduel avec dispositif de protection contre les surintensités incorporé pour usages domestiques et analogues (DD) –

Partie 1: Règles générales





## THIS PUBLICATION IS COPYRIGHT PROTECTED Copyright © 2012 IEC, Geneva, Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either IEC or IEC's member National Committee in the country of the requester.

If you have any questions about IEC copyright or have an enquiry about obtaining additional rights to this publication, please contact the address below or your local IEC member National Committee for further information.

Droits de reproduction réservés. Sauf indication contraire, aucune partie de cette publication ne peut être reproduite ni utilisée sous quelque forme que ce soit et par aucun procédé, électronique ou mécanique, y compris la photocopie et les microfilms, sans l'accord écrit de la CEI ou du Comité national de la CEI du pays du demandeur.

Si vous avez des questions sur le copyright de la CEI ou si vous désirez obtenir des droits supplémentaires sur cette publication, utilisez les coordonnées ci-après ou contactez le Comité national de la CEI de votre pays de résidence.

IEC Central Office Tel.: +41 22 919 02 11 3, rue de Varembé Fax: +41 22 919 03 00

CH-1211 Geneva 20 info@iec.ch Switzerland www.iec.ch

#### About the IEC

The International Electrotechnical Commission (IEC) is the leading global organization that prepares and publishes International Standards for all electrical, electronic and related technologies.

#### **About IEC publications**

The technical content of IEC publications is kept under constant review by the IEC. Please make sure that you have the latest edition, a corrigenda or an amendment might have been published.

#### **Useful links:**

IEC publications search - www.iec.ch/searchpub

The advanced search enables you to find IEC publications by a variety of criteria (reference number, text, technical committee,...).

It also gives information on projects, replaced and withdrawn publications.

IEC Just Published - webstore.iec.ch/justpublished

Stay up to date on all new IEC publications. Just Published details all new publications released. Available on-line and also once a month by email.

#### Electropedia - www.electropedia.org

The world's leading online dictionary of electronic and electrical terms containing more than 30 000 terms and definitions in English and French, with equivalent terms in additional languages. Also known as the International Electrotechnical Vocabulary (IEV) on-line.

Customer Service Centre - webstore.iec.ch/csc

If you wish to give us your feedback on this publication or need further assistance, please contact the Customer Service Centre: csc@iec.ch.

#### A propos de la CEI

La Commission Electrotechnique Internationale (CEI) est la première organisation mondiale qui élabore et publie des Normes internationales pour tout ce qui a trait à l'électricité, à l'électronique et aux technologies apparentées.

#### A propos des publications CEI

Le contenu technique des publications de la CEI est constamment revu. Veuillez vous assurer que vous possédez l'édition la plus récente, un corrigendum ou amendement peut avoir été publié.

#### Liens utiles:

Recherche de publications CEI - www.iec.ch/searchpub

La recherche avancée vous permet de trouver des publications CEI en utilisant différents critères (numéro de référence, texte, comité d'études,...).

Elle donne aussi des informations sur les projets et les publications remplacées ou retirées.

Just Published CEI - webstore.iec.ch/justpublished

Restez informé sur les nouvelles publications de la CEI. Just Published détaille les nouvelles publications parues. Disponible en ligne et aussi une fois par mois par email.

#### Electropedia - www.electropedia.org

Le premier dictionnaire en ligne au monde de termes électroniques et électriques. Il contient plus de 30 000 termes et définitions en anglais et en français, ainsi que les termes équivalents dans les langues additionnelles. Egalement appelé Vocabulaire Electrotechnique International (VEI) en ligne.

Service Clients - webstore.iec.ch/csc

Si vous désirez nous donner des commentaires sur cette publication ou si vous avez des questions contactez-nous: csc@iec.ch.



## IEC 61009-1

Edition 3.0 2012-04

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) – Part 1: General rules

Part 1: General rules

Interrupteurs automatiques à courant différentiel résiduel avec dispositif de protection contre les surintensités incorporé pour usages domestiques et analogues (DD) –

Partie 1: Règles générales

INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ELECTROTECHNIQUE INTERNATIONALE

PRICE CODE CODE PRIX

ICS 29.120.50 ISBN 978-2-83220-019-3

Warning! Make sure that you obtained this publication from an authorized distributor.

Attention! Veuillez vous assurer que vous avez obtenu cette publication via un distributeur agréé.

#### **FOREWORD**

This amendment has been prepared by subcommittee 23E: Circuit-breakers and similar equipment for household use, of IEC technical committee 23: Electrical accessories.

The text of this amendment is based on the following documents:

FDIS	Report on voting
23E/741/FDIS	23E/745/RVD

Full information on the voting for the approval of this amendment can be found in the report on voting indicated in the above table.

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- · amended.

\_\_\_\_

#### 1 Scope

Delete Note 8 and replace it by the following paragraph and new Note 8:

For RCBOs incorporated in, or intended only for association with socket-outlets, the requirements of this standard may be used, as far as applicable, in conjunction with the requirements of IEC 60884-1 or the national requirements of the country where the product is placed on the market.

NOTE 8 Residual current-operated protective devices (RCDs) incorporated in, or intended only for association with socket-outlets, can either meet IEC 62640 or this standard.

#### 2 Normative references

Delete the reference to IEC 60051.

Add to the existing list, the following new references:

IEC 60228:2004, Conductors of insulated cables

IEC 60364-4-44:2007, Low-voltage electrical installations – Part 4-44: Protection for safety – Protection against voltage disturbances and electromagnetic disturbances

IEC 60664-3, Insulation coordination for equipment within low-voltage systems – Part 3: Use of coating, potting or moulding for protection against pollution

61009-1 Amend.1 © IEC:2012

- 3 -

IEC 60695-2-10, Fire hazard testing – Part 2-10: Glowing/hot-wire based test methods – Glow-wire apparatus and common test procedure

IEC 60695-2-11:2000, Fire hazard testing – Part 2-11: Glowing /hot-wire based test methods – Glow-wire flammability test method for end-products

Replace the reference to IEC 61543:1995 by the following new reference:

IEC 61543:1995, Residual current -operated protective devices (RCDs) for household and similar use – Electromagnetic compatibility
Amendment 1:2004
Amendment 2:2005

koniec náhľadu – text ďalej pokračuje v platenej verzii STN