



NSAI
Standards

Irish Standard Recommendation
S.R. HD 60364-5-557:2013&A11:2016

Low-voltage electrical installations - Part 5-557: Selection and erection of electrical equipment - Auxiliary circuits

S.R. HD 60364-5-557:2013&A11:2016

Incorporating amendments/corrigenda/National Annexes issued since publication:

HD 60364-5-557:2013/A11:2016

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I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):

NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.

This document is based on:

HD 60364-5-557:2013

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National Foreword

S.R. HD 60364-5-557:2013&A11:2016 is the adopted Irish version of the European Document HD 60364-5-557:2013, Low-voltage electrical installations - Part 5-557: Selection and erection of electrical equipment - Auxiliary circuits

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In line with international standards practice the decimal point is shown as a comma (,) throughout this document.

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HARMONIZATION DOCUMENT
DOCUMENT D'HARMONISATION
HARMONISIERUNGSDOKUMENT

HD 60364-5-557:2013/A11

March 2016

ICS 91.140

English Version

**Low-voltage electrical installations -
Part 5-557: Selection and erection of electrical equipment -
Auxiliary circuits**

Installations électriques à basse tension -
Partie 5-557: Choix et mise en œuvre des matériels
électriques - Circuits auxiliaires

Errichten von Niederspannungsanlagen -
Teil 5-557: Auswahl und Errichtung elektrischer
Betriebsmittel - Hilfsstromkreise

This amendment A11 modifies the Harmonization Document HD 60364-5-557:2013; it was approved by CENELEC on 2015-05-18. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for implementation of this amendment at national level.

Up-to-date lists and bibliographical references concerning such national implementations 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).

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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

HD 60364-5-557:2013/A11:2016

European foreword

This document (HD 60364-5-557:2013/A11:2016) has been prepared by CLC/TC 64, "Electrical installations and protection against electric shock".

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2016-09-04
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2019-03-04

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HARMONIZATION DOCUMENT
DOCUMENT D'HARMONISATION
HARMONISIERUNGSDOKUMENT

HD 60364-5-557

December 2013

ICS 91.140

English version

**Low-voltage electrical installations -
Part 5-557: Selection and erection of electrical equipment -
Auxiliary circuits
(IEC 60364-5-55:2011/A1:2012 (Clause 557))**

Installations électriques à basse tension -
Partie 5-557: Choix et mise en œuvre des
matériels électriques -
Circuits auxiliaires
(CEI 60364-5-55:2011/A1:2012
(Article 557))

Errichten von Niederspannungsanlagen -
Teil 5-557: Auswahl und Errichtung
elektrischer Betriebsmittel -
Hilfsstromkreise
(IEC 60364-5-55:2011/A1:2012
(Abschnitt 557))

This Harmonization Document was approved by CENELEC on 2013-10-16. 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.

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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

Foreword

The text of document 64/1831/FDIS, future IEC 60364-5-55:2011/A1:2012 (Clause 557), prepared by IEC/TC 64 "Electrical installations and protection against electric shock" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as HD 60364-5-557:2013.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2014-07-16
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2016-10-16

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Endorsement notice

The text of the International Standard IEC 60364-5-55:2011/A1:2012 (Clause 557) was approved by CENELEC as a European Standard without any modification.

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

IEC 60079	NOTE	Harmonized in EN 60079 series.
IEC 60155:1993	NOTE	Harmonized as EN 60155:1995 (not modified).
IEC 60204	NOTE	Harmonized in EN 60204 series.
IEC 60309	NOTE	Harmonized in EN 60309 series.
IEC 60332-1-1:2004	NOTE	Harmonized as EN 60332-1-1:2004 (not modified).
IEC 60332-1-2:2004	NOTE	Harmonized as EN 60332-1-2:2004 (not modified).
IEC 60364-1:2008	NOTE	Harmonized as HD 60364-1:2008 (modified)
IEC 60364-5-52:2009	NOTE	Harmonized as HD 60364-5-52:2011 (modified)
IEC 60598-1:2008	NOTE	Harmonized as EN 60598-1:2008 (modified)
IEC 60598-2-14	NOTE	Harmonized as EN 60598-2-14.
IEC 61140	NOTE	Harmonized as EN 61140.
IEC 61241	NOTE	Harmonized in EN 61241 series.

IEC 61347-1:2007	NOTE	Harmonized as EN 61347-1:2008 (modified)
IEC 61508-4:2010	NOTE	Harmonized as EN 61508-4:2010 (not modified).
IEC 61557-12	NOTE	Harmonized as EN 61557-12.
IEC 61558-2-6:2009	NOTE	Harmonized as EN 61558-2-6:2009 (not modified).
IEC 61936	NOTE	Harmonized in EN 61936 series.
IEC 61995	NOTE	Harmonized in EN 61995 series

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60038	-	IEC standard voltages	EN 60038	-
IEC 60364	series	Electrical installations of buildings / Low-voltage electrical installations	HD 384 / HD 60364	series
IEC 60364-1 (mod) + corr. August	2005 2009	Low-voltage electrical installations Part 1: Fundamental principles, assessment of general characteristics, definitions	HD 60364-1	2008
IEC 60364-4-41 (mod)	2005	Low-voltage electrical installations Part 4-41: Protection for safety - Protection against electric shock	HD 60364-4-41 + corr. July	2007 2007
IEC 60364-4-42	-	Low voltage electrical installations Part 4-42: Protection for safety - Protection against thermal effects	HD 60364-4-42	-
IEC 60364-4-43 (mod) + corr. October	2008 2008	Low voltage electrical installations Part 4-43: Protection for safety - Protection against overcurrent	HD 60364-4-43	2010
IEC 60364-4-44	2007	Low-voltage electrical installations Part 4-44: Protection for safety - Protection against voltage disturbances and electromagnetic disturbances	-	-
IEC 60364-5-52 (mod) + corr. February	2009 2011	Low-voltage electrical installations Part 5-52: Selection and erection of electrical equipment - Wiring systems	HD 60364-5-52	2011
IEC 60364-5-53	2001	Electrical installations of buildings Part 5-53: Selection and erection of electrical equipment - Isolation, switching and control	-	-
IEC 60364-7-712	-	Electrical installations of buildings Part 7-712: Requirements for special installations or locations - Solar photovoltaic (PV) power supply systems	HD 60364-7-712	-
IEC 60364-7-717	-	Low-voltage electrical installations Part 7-717: Requirements for special installations or locations - Mobile or transportable units	HD 60364-7-717	-

IEC 61439-1	2011	Low-voltage switchgear and controlgear assemblies Part 1: General rules	EN 61439-1	2011
IEC 61508	series	Functional safety of electrical/electronic/programmable electronic safety-related systems	EN 61508	series
IEC 61557-8	-	Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures Part 8: Insulation monitoring devices for IT systems	EN 61557-8	-
IEC 61557-9	-	Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures Part 9: Equipment for insulation fault location in IT systems	EN 61557-9	-

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IEC 60364-5-55

Edition 2.0 2012-10

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

**Electrical installations of buildings –
Part 5-55: Selection and erection of electrical equipment – Other equipment**

**Installations électriques des bâtiments –
Partie 5-55: Choix et mise en oeuvre des matériels électriques – Autres matériels**





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IEC 60364-5-55

Edition 2.0 2012-10

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

**Electrical installations of buildings –
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**Installations électriques des bâtiments –
Partie 5-55: Choix et mise en oeuvre des matériels électriques – Autres matériels**

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FOREWORD

This amendment has been prepared by IEC technical committee 64: Electrical installations and protection against electric shock.

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

FDIS	Report on voting
64/1831/FDIS	64/1863/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.

Insert the following new references into Clause 550.2, Normative references:

IEC 60038, *IEC standard voltages*

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

IEC 60364-5-52:2009, *Low-voltage electrical installations – Part 5-52: Selection and erection of electrical equipment – Wiring systems*

IEC 61439-1:2011, *Low-voltage switchgear and controlgear assemblies – Part 1: General rules*

IEC 61508 (all parts), *Functional safety of electrical/electronic/programmable electronic safety-related systems*

IEC 61557-8, *Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 8: Insulation monitoring devices for IT systems*

IEC 61557-9, *Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 9: Equipment for insulation fault location in IT systems*

Replace "IEC 60364-4-43" by "IEC 60364-4-43:2008.

Insert the following new Clause 557 after Clause 551.8 and before Clause 559:

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