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Irish Standard
I.S. EN 50548:2011&A1:2013&A2:2014

Junction boxes for photovoltaic modules

I.S. EN 50548:2011&A1:2013&A2:2014

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Údarás um Chaighdeáin Náisiúnta na hÉireann

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 50548:2011/A2

November 2014

ICS 27.160

English Version

Junction boxes for photovoltaic modules

Boîtes de jonction pour modules photovoltaïques

Anschlussdosen für Photovoltaik-Module

This amendment A2 modifies the European Standard EN 50548:2011; it was approved by CENELEC on 2014-10-13. 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.

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Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Contents

1	Modification to Clause 2	4
2	Modification to 4.4	4
3	Modification to 4.4.1	4
4	Modification to 4.4.2	5
5	Modification to 4.17.1	5
6	Modification to 5.3.9.1	5
7	Modification to 5.3.19	6
8	Modification to Table 10	7
9	Supplement of Figure 5	8

Foreword

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 50548/A1

June 2013

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English version

Junction boxes for photovoltaic modules

Boîtes de jonction pour modules
photovoltaïques

Anschlussdosen für Photovoltaik-Module

This amendment A1 modifies the European Standard EN 50548:2011; it was approved by CENELEC on 2013-04-15. 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.

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 50548

June 2011

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English version

Junction boxes for photovoltaic modules

Boîtes de jonction pour modules
photovoltaïques

Anschlussdosen für Photovoltaik-Module

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Contents

Foreword	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	6
4 Constructional requirements and performance	10
4.1 General	10
4.2 Marking and identification	11
4.3 Protection against electric shock	12
4.4 Terminations and connection methods	12
4.5 Connectors	12
4.6 Cable	13
4.7 Resistance to ageing	13
4.8 General design	13
4.9 Degree of protection (IP)	13
4.10 Dielectric strength	13
4.11 Range of ambient temperature	14
4.12 Cable anchorage	14
4.13 Mechanical strength	14
4.14 Clearances and creepage distances	14
4.15 Insulation	15
4.16 Insulation parts	16
4.17 Current carrying parts and resistance against corrosion	16
4.18 Sealing	17
4.19 Bypass-diode	17
4.20 Knock-out inlets (outlets) intended to be removed by mechanical impact	17
5 Tests	17
5.1 General	17
5.2 Preparation of specimens	18
5.3 Performance of tests	20
5.4 Test schedule	30
Annex A (normative) Symbol "Do not disconnect under load"	39
Bibliography	40

Figures

Figure 1 – Thermal cycling test	37
Figure 2 – Humidity-freeze cycle	37
Figure 3 – Typical arrangement for the cable anchorage pull test	38
Figure 4 – Typical arrangement for torsion test	38
Figure A.1 – Symbol "Do not disconnect under load"	39

Tables

Table 1 – Rated impulse voltage	15
Table 2 – Number of specimen	18
Table 3 – Values of torque for screw-type clamping units	19
Table 4 – Pull forces for cord anchorage	28
Table 5 – Values for torsion test	29
Table 6 – Marking, information, documentation, test group A	30
Table 7 – Material test, test group B (single tests)	31
Table 8 – Constructional requirements, test group C (single tests)	32
Table 9 – Mechanical tests, test group D (single tests)	33
Table 10 – Test sequence I, test group E (tests to be performed consecutively in this order)	34
Table 11 – Test sequence II, test group F (tests to be performed consecutively in this order)	35
Table 12 – Test sequence III, test group G (tests to be performed consecutively in this order)	35
Table 13 – Test sequence IV, test group H (tests to be performed consecutively in this order)	36
Table 14 – Reverse current test, test group I	36

Foreword

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1 Scope

This European Standard applies to junction boxes up to 1 500 V DC for use on photovoltaic modules according to application class A of EN 61730-1:2007.

NOTE For junction boxes according to application classes B and C of EN 61730-1:2007 in photovoltaic-systems, this standard can be used as a guideline.

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.

EN 50521, *Connectors for photovoltaic systems — Safety requirements and tests*

EN 60060-1, *High-voltage test techniques — Part 1: General definitions and test requirements* (IEC 60060-1)

EN 60068-1, *Environmental testing — Part 1: General and guidance* (IEC 60068-1)

EN 60068-2-14:2009, *Environmental testing — Part 2—14: Tests — Test N: Change of temperature* (IEC 60068-2-14:2009)

EN 60068-2-70, *Environmental testing — Part 2: Tests — Test Xb: Abrasion of markings and letterings caused by rubbing of fingers and hands* (IEC 60068-2-70)

EN 60068-2-75, *Environmental testing — Part 2—75: Tests — Test Eh: Hammer tests* (IEC 60068-2-75)

EN 60068-2-78, *Environmental testing — Part 2—78: Tests — Test Cab: Damp heat, steady state* (IEC 60068-2-78)

EN 60228, *Conductors of insulated cables* (IEC 60228)

EN 60352-2, *Solderless connections — Part 2: Crimped connections — General requirements, test methods and practical guidance* (IEC 60352-2)

EN 60512-12-1, *Connectors for electronic equipment — Tests and measurements — Part 12—1: Soldering tests — Test 12a: Solderability, wetting, solder bath method* (IEC 60512-12-1)

EN 60512-12-2, *Connectors for electronic equipment — Tests and measurements — Part 12-2: Soldering tests — Test 12b: Solderability, wetting, soldering iron method* (IEC 60512-12-2)

EN 60529, *Degrees of protection provided by enclosures (IP Code)* (IEC 60529)

EN 60664-1:2007, *Insulation coordination for equipment within low-voltage systems — Part 1: Principles, requirements and tests* (IEC 60664-1:2007)

EN 60695-2-11, *Fire hazard testing — Part 2-11: Glowing/hot-wire based test methods — Glow-wire flammability test method for end-products* (IEC 60695-2-11)

EN 60695-11-10, *Fire hazard testing — Part 11-10: Test flames — 50 W horizontal and vertical flame test methods* (IEC 60695-11-10)

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