
Varnostne zahteve za električno opremo za meritve, nadzor in laboratorijsko uporabo - 2-030. del: Posebne zahteve za opremo s preskusnimi ali z merilnimi vezji- Dopolnilo 11

Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-030: Particular requirements for equipment having testing or measuring circuits

Sicherheitsbestimmungen für elektrische Mess-, Steuer-, Regel- und Laborgeräte - Teil 2-030: Besondere Anforderungen für Geräte mit Prüf- oder Messstromkreis

Exigences de sécurité pour appareils électriques de mesurage, de régulation et de laboratoire - Partie 2-030: Exigences particulières pour les appareils équipés de circuits d'essai ou de mesure

Ta slovenski standard je istoveten z: EN IEC 61010-2-030:2021/A11:2021

ICS:

19.080	Električno in elektronsko preskušanje	Electrical and electronic testing
71.040.10	Kemijski laboratoriji. Laboratorijska oprema	Chemical laboratories. Laboratory equipment

SIST EN IEC 61010-2-030:2021/A11:2021 en,fr,de

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EUROPEAN STANDARD

EN IEC 61010-2-030:2021/A11

NORME EUROPÉENNE

EUROPÄISCHE NORM

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ICS 19.080; 71.040.10

English Version

Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-030: Particular requirements for equipment having testing or measuring circuits

Exigences de sécurité pour appareils électriques de mesure, de régulation et de laboratoire - Partie 2-030: Exigences particulières pour les appareils équipés de circuits d'essai ou de mesure

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This amendment A11 modifies the European Standard EN 61010-2-030:2016; it was approved by CENELEC on 2021-03-08. 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.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 61010-2-030:2021/A11:2021 (E)**European foreword**

This document (EN IEC 61010-2-030:2021/A11:2021) has been prepared by CLC/TC 66X "Safety of measuring, control, and laboratory equipment".

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) 2021-10-02
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2024-04-02

This document amends EN IEC 61010-2-030:2021.

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

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).

For the relationship with EU Directive(s) see Informative Annex ZZ, which is an integral part of this document.

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1 Modification to 6.8.3.1, “The a.c. voltage test”

Replace the first sentence of the first paragraph with the following sentence:

“The voltage tester shall have a regulated output capable of maintaining the test voltage throughout the test within $\pm 5\%$ of the specified value.”

2 Modification to 6.8.3.2, “The d.c. voltage test”

Add a new sentence at the beginning of the first paragraph:

“The voltage tester shall have a regulated output capable of maintaining the test voltage throughout the test within $\pm 5\%$ of the specified value.”

3 Modifications to K.101.4.1, “General”

Replace the second paragraph with the following note:

“

NOTE 1 The manufacturer is supposed to take the expected life of the equipment into account when selecting insulating materials.”

As a result of this, renumber the existing note as NOTE 2.

4 Addition of Annex ZA, “Normative references to international publications with their corresponding European publications”

Add the following Annex ZA:

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“

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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 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

Annex ZA of EN 61010-1:2010/A1:2019 is applicable, with the following addition:

Publication	Year	Title	EN/HD	Year
IEC 61010-2-032	-	Safety requirements for electrical equipment for measurement, control and laboratory use – Part 032: Particular requirements for hand-held and hand-manipulated current sensors for electrical test and measurement	EN 61010-2-032	2012

“

EN IEC 61010-2-030:2021/A11:2021 (E)

5 Addition of Annex ZZ, “Relationship between this European standard and the safety objectives of Directive 2014/35/EU [2014 OJ L96] aimed to be covered”

Add the following Annex ZZ:

“

Annex ZZ (informative)

Relationship between this European standard and the safety objectives of Directive 2014/35/EU [2014 OJ L96] aimed to be covered

This European Standard has been prepared under a Commission’s standardization request relating to harmonized standards in the field of the Low Voltage Directive, M/511, to provide one voluntary means of conforming to safety objectives of Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonization of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits [2014 OJ L96].

Once this standard is cited in the Official Journal of the European Union under that Directive, compliance with the normative clauses of this standard given in Table ZZ.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding safety objectives of that Directive, and associated EFTA regulations.

Table ZZ.1 — Correspondence between this European standard and Annex I of Directive 2014/35/EU [2014 OJ L96]

Safety objectives of Directive 2014/35/EU (Annex I)	Clause(s) / subclause(s) of this EN	Remarks / Notes
1. General conditions		
1 (a) the essential characteristics, the recognition and observance of which will ensure that electrical equipment will be used safely and in applications for which it was made, shall be marked on the electrical equipment, or, if this is not possible, on an accompanying document	5	
1 (b) the electrical equipment, together with its component parts, shall be made in such a way as to ensure that it can be safely and properly assembled and connected	5.4, 6.6, 6.10, 6.11, 101 Annex F	
1 (c) the electrical equipment shall be so designed and manufactured as to ensure that protection against the hazards set out in points 2 and 3 is ensured, providing that the equipment is used in applications for which it was made and is adequately maintained	5.4, 17 (for hazards not covered by Clauses 6–16) Annex F	See also the details in points 2 and 3