



BSI Standards Publication

Safety requirements for electrical equipment for measurement, control, and laboratory use

Part 2-011: Particular requirements for refrigerating equipment

National foreword

This British Standard is the UK implementation of EN IEC 61010-2-011:2021+A11:2021. It is derived from IEC 61010-2-011:2019. It supersedes BS EN 61010-2-011:2017, which will be withdrawn on 19 November 2024.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to text carry the number of the CENELEC amendment. For example, text altered by CENELEC amendment A11 is indicated by A11 A11.

The UK participation in its preparation was entrusted to Technical Committee EPL/66, Safety of measuring, control and laboratory equipment.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Amendments/corrigenda issued since publication

Date	Text affected
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EUROPEAN STANDARD

EN IEC 61010-2-011+A11

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2021

ICS 19.080

Supersedes EN 61010-2-011:2017 and all of its
amendments and corrigenda (if any)

English Version

**Safety requirements for electrical equipment for measurement,
control, and laboratory use - Part 2-011: Particular requirements
for refrigerating equipment
(IEC 61010-2-011:2019)**

Exigences de sécurité pour appareils électriques de
mesurage, de régulation et de laboratoire - Partie 2-011:
Exigences particulières pour appareils de réfrigération
(IEC 61010-2-011:2019)

Sicherheitsbestimmungen für elektrische Mess-, Steuer-,
Regel- und Laborgeräte - Teil 2-011: Besondere
Anforderungen für Kühlgeräte
(IEC 61010-2-011:2019)

This European Standard was approved by CENELEC on 2019-04-26. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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This European Standard 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

European foreword

The text of document 66/676/CDV, future edition 2 of IEC 61010-2-011, prepared by IEC/TC 66 "Safety of measuring, control and laboratory equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61010-2-011:2021.

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) 2022-05-19
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2024-11-19

This document supersedes EN 61010-2-011:2017 and all of its amendments and corrigenda (if any).

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 Standardization Request given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s) / Regulation(s).

For the relationship with EU Directive(s) / Regulation(s), see informative Annex ZZ, which is an integral part of EN IEC 61010-2-011:2021/A11:2021.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

Endorsement notice

The text of the International Standard IEC 61010-2-011:2019 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 60079-20-1	NOTE	Harmonized as EN 60079-20-1
IEC 60204-1	NOTE	Harmonized as EN 60204-1
IEC 61010-2-020	NOTE	Harmonized as EN 61010-2-020
ISO 4126-1	NOTE	Harmonized as EN ISO 4126-1
ISO 4126-2	NOTE	Harmonized as EN ISO 4126-2

European foreword to amendment A11

This document (EN IEC 61010-2-011:2021/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 (dop) 2022-05-19
implemented at national level by publication of
an identical national standard or by
endorsement
- latest date by which the national standards (dow) 2024-11-19
conflicting with this document have to be
withdrawn

This document amends EN IEC 61010-2-011:2021.

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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 Where 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 additions:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60079-15	2010	Explosive atmospheres - Part 15: Equipment protection by type of protection “n”	EN 60079-15	2010
IEC 60335-2-34	2012	Household and similar electrical appliances - Safety - Part 2-34: Particular requirements for motor-compressors	EN 60335-2-34	2013
+ AMD1	2015		+ AMD1	2015
+ AMD2	2017		+ AMD2	2016
ISO 7010	-	Graphical symbols - Safety colours and safety signs - Registered safety signs	EN ISO 7010	2020
		Pumps and pump units for liquids - Common safety requirements	EN 809 +A1	1998 2009
		Pressure gauges - Part 1: Bourdon tube pressure gauges - Dimensions, metrology, requirements and testing	EN 837-1	1996
		Pressure gauges - Part 2: Selection and installation recommendations for pressure gauges	EN 837-2	1997
		Pressure gauges - Part 3: Diaphragm and capsule pressure gauges - Dimensions, metrology, requirements and testing	EN 837-3	1996
		Refrigerating systems and heat pumps - Flexible pipe elements, vibration isolators, expansion joints and non-metallic tubes - Requirements, design and installation	EN 1736	2008
		Non-destructive testing - Leak testing - Criteria for method and technique selection	EN 1779 +A1	1999 2003
		Refrigerating systems and heat pumps - Liquid level indicating devices - Requirements, testing and marking	EN 12178	2016
		Refrigerating systems and heat pumps - Safety switching devices for limiting the pressure - Requirements and tests	EN 12263	1998