



**NSAI**  
Standards

Irish Standard  
I.S. EN 61496-1:2013&AC:2015

# Safety of machinery - Electro-sensitive protective equipment - Part 1: General requirements and tests

**I.S. EN 61496-1:2013&AC:2015**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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

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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.*

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## National Foreword

I.S. EN 61496-1:2013&AC:2015 is the adopted Irish version of the European Document EN 61496-1:2013, Safety of machinery - Electro-sensitive protective equipment - Part 1: General requirements and tests

This document does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

**Compliance with this document does not of itself confer immunity from legal obligations.**

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

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 61496-1**

November 2013

ICS 13.110; 29.260.99

Supersedes EN 61496-1:2004

English version

**Safety of machinery -  
Electro-sensitive protective equipment -  
Part 1: General requirements and tests  
(IEC 61496-1:2012)**

Sécurité des machines -  
Equipements de protection électro-  
sensibles -  
Partie 1: Prescriptions générales et essais  
(CEI 61496-1:2012)

Sicherheit von Maschinen -  
Berührungslos wirkende  
Schutzeinrichtungen -  
Teil 1: Allgemeine Anforderungen und  
Prüfungen  
(IEC 61496-1:2012)

This European Standard was approved by CENELEC on 2012-05-10. 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.

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 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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**CENELEC**

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 44/615/CDV, future edition 3 of IEC 61496-1, prepared by IEC/TC 44 "Safety of machinery - Electrotechnical aspects" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61496-1:2013.

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) 2014-05-29
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2015-05-10

This document supersedes EN 61496-1:2004.

EN 61496-1:2013 includes the following significant technical changes with respect to EN 61496-1:2004:

The design, test and verification requirements have been updated to make them consistent with the latest standards for functional safety and EMC.

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 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.

## Endorsement notice

The text of the International Standard IEC 61496-1:2012 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 60812                      NOTE Harmonized as EN 60812.

IEC 61025                      NOTE Harmonized as EN 61025.

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