



**NSAI**  
Standards

Irish Standard  
I.S. EN 61326-3-1:2017

Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 3-1: Immunity requirements for safety-related systems and for equipment intended to perform safety-related functions (functional safety) - General industrial applications

**I.S. EN 61326-3-1:2017**

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

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*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):*

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Údarás um Chaighdeáin Náisiúnta na hÉireann

## National Foreword

I.S. EN 61326-3-1:2017 is the adopted Irish version of the European Document EN 61326-3-1:2017, Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 3-1: Immunity requirements for safety-related systems and for equipment intended to perform safety-related functions (functional safety) - General industrial applications

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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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EUROPEAN STANDARD

**EN 61326-3-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2017

ICS 25.040.40; 33.100.20

Supersedes EN 61326-3-1:2008

English Version

**Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 3-1: Immunity requirements for safety-related systems and for equipment intended to perform safety-related functions (functional safety) - General industrial applications  
(IEC 61326-3-1:2017)**

Matériel électrique de mesure, de commande et de laboratoire - Exigences relatives à la CEM - Partie 3-1: Exigences d'immunité pour les systèmes relatifs à la sécurité et pour les matériels destinés à réaliser des fonctions relatives à la sécurité (sécurité fonctionnelle) - Applications industrielles générales  
(IEC 61326-3-1:2017)

Elektrische Mess-, Steuer-, Regel- und Laborgeräte - EMV-Anforderungen - Teil 3-1: Störfestigkeitsanforderungen für sicherheitsbezogene Systeme und für Geräte, die für sicherheitsbezogene Funktionen vorgesehen sind (Funktionale Sicherheit) - Allgemeine industrielle Anwendungen  
(IEC 61326-3-1:2017)

This European Standard was approved by CENELEC on 2017-06-20. 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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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**

**EN 61326-3-1:2017****European foreword**

The text of document 65A/819/FDIS, future edition 2 of IEC 61326-3-1, prepared by SC 65A "System aspects", of IEC/TC 65 "Industrial-process measurement, control and automation" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61326-3-1:2017.

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) 2018-03-20
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2020-06-20

This document supersedes EN 61326-3-1:2008.

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.

**Endorsement notice**

The text of the International Standard IEC 61326-3-1:2017 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 60204-1:2005	NOTE	Harmonized as EN 60204-1:2006.
IEC 61000 (series)	NOTE	Harmonized as EN 61000 (series).
IEC 61000-1-2:2005	NOTE	Harmonized as EN 60204-1:2006.
IEC 61000-6-5	NOTE	Harmonized as EN 61000-6-5.
IEC 61000-6-7	NOTE	Harmonized as EN 61000-6-7.
IEC 61326-2-1:2012	NOTE	Harmonized as EN 61326-2-1:2013.
IEC 61326-2-2:2012	NOTE	Harmonized as EN 61326-2-2:2013.
IEC 61326-2-3:2012	NOTE	Harmonized as EN 61326-2-3:2013.
IEC 61326-2-4:2012	NOTE	Harmonized as EN 61326-2-4:2013.
IEC 61326-2-5:2012	NOTE	Harmonized as EN 61326-2-5:2013.
IEC 61326-3-1:2008	NOTE	Harmonized as EN 61326-3-1:2008.
IEC 61508 (series)	NOTE	Harmonized as EN 61508 (series).

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