

<b>STN</b>	<b>Nízkonapäťové spínacie a riadiace zariadenia Rozhrania regulátor-prístroj (CDI) Časť 2: Rozhranie ovládač-snímač (AS-i) Zmena A1</b>	<b>STN EN 62026-2/A1</b>  35 4112
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Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 03/20

STN EN 62026-2 zo septembra 2013 sa bez zmeny A1 môže používať do 13. 12. 2022.

Obsahuje: EN 62026-2:2013/A1:2019, IEC 62026-2:2008/AMD1:2019

**130650**



EUROPEAN STANDARD

**EN 62026-2:2013/A1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2019

ICS 29.130.20

English Version

**Low-voltage switchgear and controlgear - Controller-device interfaces (CDIs) - Part 2: Actuator sensor interface (AS-i) (IEC 62026-2:2008/A1:2019)**

Appareillage à basse tension - Interfaces appareil de commande-appareil (CDI) - Partie 2: Interface capteur-actionneur (AS-i)  
(IEC 62026-2:2008/A1:2019)

Niederspannungsschaltgeräte - Steuerung-Geräte-Netzwerke (CDIs) - Teil 2: Aktuator Sensor Interface (AS-i)  
(IEC 62026-2:2008/A1:2019)

This amendment A1 modifies the European Standard EN 62026-2:2013; it was approved by CENELEC on 2019-08-14. 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 62026-2:2013/A1:2019 (E)****European foreword**

The text of document 121A/297/FDIS, future IEC 62026-2:2008/A1, prepared by SC 121A "Low-voltage switchgear and controlgear" of IEC/TC 121 "Switchgear and controlgear and their assemblies for low voltage" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62026-2:2013/A1:2019.

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) 2020-06-13
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-12-13

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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 62026-2:2008/A1:2019 was approved by CENELEC as a European Standard without any modification.

## 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](http://www.cenelec.eu)

*Annex ZA of EN 62026-2:2013 applies except as follows:*

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
<i>In Annex ZA of EN 62026-2:2013 replace the existing references to the following publications as follows:</i>				
IEC 60068-2-6	-	Environmental testing – Part 2-6: Tests – Test Fc: Vibration (sinusoidal)	–EN 60068-2-6	2008
IEC 60068-2-27	-	Environmental testing – Part 2-27: Tests – Test Ea and guidance: Shock	–EN 60068-2-27	2009
IEC 60204-1	2016	Safety of machinery - Electrical equipment of machines - Part 1: General requirements(modified)	EN 60204-1	2018
IEC 60364-4-41	-	Low-voltage electrical installations	HD 60364-4-41 (modified)	2017
			+A11	2017
IEC 60529	-	Degrees of protection provided by enclosures (IP Code)	byEN 60529	1991
			+A1	2000
			+A2	2013
IEC 60947-1	2007	Low-voltage switchgear and controlgear Part 1: General rules	–EN 60947-1	2007
	+A1		2010	+A1
IEC 60947-4-1	2018	Low-voltage switchgear and controlgear Part 4-1: Contactors and motor-starters	–EN 60947-4-1	2019
IEC 60947-4-2	2011	Low-voltage switchgear and controlgear Part 4-2: Contactors and motor-starters - AC semiconductor motor controllers and starters	–EN 60947-4-2	2012
IEC 60947-5-2	2007	Low-voltage switchgear and controlgear Part 5-2: Control circuit devices and switching elements - Proximity switches	–EN 60947-5-2	2007
	+ A1		2012	+ A1

**EN 62026-2:2013/A1:2019 (E)**

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61000-4-2	2008	Electromagnetic compatibility (EMC) Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test	-EN 61000-4-2	2009
IEC 61000-4-3	2006	Electromagnetic compatibility (EMC) Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test	-EN 61000-4-3	2006
+A1	2007		+A1	2008
+A2	2010		+A2	2010
IEC 61000-4-4	2012	Electromagnetic compatibility (EMC) Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test	-EN 61000-4-4	2012
IEC 61131-2	-	Industrial-process measurement and control - Programmable controllers - Part 2: Equipment requirements and tests	EN 61131-2	2007
IEC 61140	-	Protection against electric shock - Common aspects for installation and equipment	-EN 61140	2016
IEC 61800-2	-	Adjustable speed electrical power drive systems - Part 2: General requirements - Rating specifications for low voltage adjustable speed a.c. power drive systems	EN 61800-2	2015
CISPR 11	2015	Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement	EN 55011 (modified)	2016
+ A1	2016		+ A1	2017
<i>In Annex ZA of EN 62026-2:2013, delete the existing reference to the following publications</i>				
IEC/TS 61915	2003	Low-voltage switchgear and controlgear — Principles for the development of device profiles for networked industrial devices		-
<i>Insert the following new references in Annex ZA:</i>				
IEC 61000-4-6	2013	Electromagnetic compatibility (EMC) – Part 4-6: Testing and measurement techniques – Immunity to conducted disturbances, induced by radio-frequency fields	EN 61000-4-6	2014
IEC 61915	series	Low-voltage switchgear and controlgear Device profiles for networked industrial devices	+ AC -EN 61915	2015 series

## Annex ZZ (informative)

### Relationship between this European standard and the essential requirements of Directive 2014/30/EU [2014 OJ L96] aimed to be covered

This European standard has been prepared under the European Commission standardisation request C(2016) 7641 final of 30.11.2016<sup>1</sup>, ('M/552'), as regards harmonised standards in support of Directive 2014/30/EU relating to electromagnetic compatibility, to provide one voluntary means of conforming to essential requirements of Directive 2014/30/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility [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 essential requirements of that Directive, and associated EFTA regulations.

**Table ZZ.1 – Correspondence between this European standard and the Essential Requirements set out in Directive 2014/30/EU [2014 OJ L96]**

Essential requirements of Directive 2014/30/EU	Clause(s) / sub-clause(s) of this EN	Remarks / Notes
Annex I. 1(a) (electromagnetic disturbances)	8.6.1, 8.6.3, 9.1.2, 9.5.9.1, 9.5.9.5	
Annex I. 1(b) (electromagnetic immunity)	8.6.1, 8.6.2, 9.1.2, 9.5.9.1, 9.5.9.2, 9.5.9.3, 9.5.9.4	

**WARNING 1:** Presumption of conformity stays valid only as long as a reference to this European standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

**WARNING 2:** Other Union legislation may be applicable to the product(s) falling within the scope of this standard.

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<sup>1</sup> COMMISSION IMPLEMENTING DECISION C(2016) 7641 final of 30.11.2016 on a standardisation request to the European Committee for Standardisation, to the European Committee for Electrotechnical Standardisation and to the European Telecommunications Standards Institute as regards harmonised standards in support of Directive 2014/30/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility.



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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

AMENDMENT 1  
AMENDEMENT 1

**Low-voltage switchgear and controlgear – Controller-device interfaces (CDIs) –  
Part 2: Actuator sensor interface (AS-i)**

**Appareillage à basse tension – Interfaces appareil de commande-appareil (CDI) –  
Partie 2: Interface capteur-actionneur (AS-i)**





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Edition 2.0 2019-07

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

AMENDMENT 1  
AMENDEMENT 1

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**Low-voltage switchgear and controlgear – Controller-device interfaces (CDIs) –  
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## FOREWORD

This amendment has been prepared by subcommittee 121A: Low-voltage switchgear and controlgear, of IEC technical committee 121: Switchgear and controlgear and their assemblies for low voltage.

The text of this amendment is based on the following documents:

FDIS	Report on voting
121A/297/FDIS	121A/304/RVD

Full information on the voting for the approval of this amendment can be found in the report on voting indicated in the above table.

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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## 2 Normative references

*Replace the existing normative references concerned by the following updated normative references:*

IEC 60068-2-6, *Environmental testing – Part 2-6: Tests – Test Fc: Vibration (sinusoidal)*

IEC 60068-2-27, *Environmental testing – Part 2-27: Tests – Test Ea and guidance: Shock*

IEC 60204-1:2016, *Safety of machinery – Electrical equipment of machines – Part 1: General requirements*

IEC 60364-4-41, *Low-voltage electrical installations – Part 4-41: Protection for safety – Protection against electric shock*

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

IEC 60947-1:2007, *Low-voltage switchgear and controlgear – Part 1: General rules*  
IEC 60947-1:2007/AMD1:2010

IEC 60947-4-1:2018, *Low-voltage switchgear and controlgear – Part 4-1: Contactors and motor-starters – Electromechanical contactors and motor-starters*

IEC 62026-2:2008/AMD1:2019

– 3 –

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IEC 60947-4-2:2011, *Low-voltage switchgear and controlgear – Part 4-2: Contactors and motor-starters – AC semiconductor motor controllers and starters*

IEC 60947-5-2:2007, *Low-voltage switchgear and controlgear – Part 5-2: Control circuit devices and switching elements – Proximity switches*

IEC 60947-5-2:2007/AMD1:2012

IEC 61000-4-2:2008, *Electromagnetic compatibility (EMC) – Part 4-2: Testing and measurement techniques – Electrostatic discharge immunity test*

IEC 61000-4-3:2006, *Electromagnetic compatibility (EMC) – Part 4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test*

IEC 61000-4-3:2006/AMD1:2007

IEC 61000-4-3:2006/AMD2:2010

IEC 61000-4-4:2012, *Electromagnetic compatibility (EMC) – Part 4-4: Testing and measurement techniques – Electrical fast transient/burst immunity test*

IEC 61131-2, *Industrial-process measurement and control – Programmable controllers – Part 2: Equipment requirements and tests*

IEC 61140, *Protection against electric shock – Common aspects for installation and equipment*

IEC 61800-2, *Adjustable speed electrical power drive systems – Part 2: General requirements – Rating specifications for low voltage adjustable speed a.c. power drive systems*

CISPR 11:2015, *Industrial, scientific and medical (ISM) equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement*

CISPR 11:2015/AMD1:2016

*Delete the following existing normative reference:*

IEC TS 61915:2003, *Low-voltage switchgear and controlgear – Principles for the development of device profiles for networked industrial devices*

*Add the following new normative references:*

IEC 61000-4-6:2013, *Electromagnetic compatibility (EMC) – Part 4-6: Testing and measurement techniques – Immunity to conducted disturbances, induced by radio-frequency fields*

IEC 61915 (all parts), *Low-voltage switchgear and controlgear – Device profiles for networked industrial devices*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**