

---

**Merjenje in nadzor v industrijskih procesih - Programirljivi krmilniki - 2. del:  
Zahteve za opremo in preskusi (IEC 61131-2:2017)**

Industrial-process measurement and control - Programmable controllers - Part 2:  
Equipment requirements and tests (IEC 61131-2:2017)

Industrielle Leittechnik - Speicherprogrammierbare Steuerungen - Teil 2:  
Betriebsmittelanforderungen und Prüfungen (IEC 61131-2:2017)

Mesurage et contrôle des processus industriels - Automates programmables - Partie 2:  
Exigences et essais des équipements (IEC 61131-2:2017)

**Ta slovenski standard je istoveten z: EN IEC 61131-2:2025**

[SIST EN IEC 61131-2:2026](https://standards.sist.si/categ/standards/sist/616198dc-ad95-4d86-ad50-4c44ac2033ad/sist-en-iec-61131-2-2026)

<https://standards.sist.si/categ/standards/sist/616198dc-ad95-4d86-ad50-4c44ac2033ad/sist-en-iec-61131-2-2026>

**ICS:**

25.040.40	Merjenje in krmiljenje industrijskih postopkov	Industrial process measurement and control
35.240.50	Uporabniške rešitve IT v industriji	IT applications in industry

**SIST EN IEC 61131-2:2026****en,fr,de**



EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN IEC 61131-2**

December 2025

ICS 25.040.40; 35.240.50

Supersedes EN 61131-2:2007

English Version

**Industrial-process measurement and control - Programmable  
controllers - Part 2: Equipment requirements and tests  
(IEC 61131-2:2017)**

Mesurage et contrôle des processus industriels - Automates  
programmables - Partie 2: Exigences et essais des  
équipements  
(IEC 61131-2:2017)

Industrielle Leittechnik - Speicherprogrammierbare  
Steuerungen - Teil 2: Betriebsmittelanforderungen und  
Prüfungen  
(IEC 61131-2:2017)

This European Standard was approved by CENELEC on 2025-10-30. 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

[SIST EN IEC 61131-2:2026](https://standards.iteh.ai/catalog/standards/sist/616198de-af95-4d86-ad50-4c44ac2033ad/sist-en-iec-61131-2-2026)

<https://standards.iteh.ai/catalog/standards/sist/616198de-af95-4d86-ad50-4c44ac2033ad/sist-en-iec-61131-2-2026>



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 61131-2:2025 (E)****European foreword**

The text of document 65B/1083/FDIS, future edition 4 of IEC 61131-2, prepared by SC 65B "Measurement and control devices" of IEC/TC 65 "Industrial-process measurement, control and automation" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61131-2:2025.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2026-12-31 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2030-12-31 document have to be withdrawn

This document supersedes EN 61131-2:2007 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 addressed to CENELEC by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

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**

SIST EN IEC 61131-2:2026

The text of the International Standard IEC 61131-2:2017 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 standard indicated:

IEC 60038	NOTE Approved as EN 60038
IEC 60068-2-78	NOTE Approved as EN IEC 60068-2-78
IEC 60721-3-0	NOTE Approved as EN IEC 60721-3-0
IEC 60721-3-1	NOTE Approved as EN IEC 60721-3-1
IEC 60721-3-2	NOTE Approved as EN IEC 60721-3-2
IEC 60721-3-3	NOTE Approved as EN IEC 60721-3-3
IEC 60721-3-7	NOTE Approved as EN 60721-3-7
IEC 60947-5-2	NOTE Approved as EN IEC 60947-5-2
IEC 60947-5-6	NOTE Approved as EN 60947-5-6
IEC 61300-3-2	NOTE Approved as EN 61300-3-2
IEC 61300-3-3	NOTE Approved as EN 61300-3-3

IEC 61000-4-29	NOTE Approved as EN 61000-4-29
IEC 61010-1:2010	NOTE Approved as EN 61010-1:2010 (not modified)
CISPR 14-1	NOTE Approved as EN IEC 55014-1

**iTeh Standards**  
**(<https://standards.iteh.ai>)**  
**Document Preview**

[SIST EN IEC 61131-2:2026](https://standards.iteh.ai/catalog/standards/sist/616198de-af95-4d86-ad50-4c44ac2033ad/sist-en-iec-61131-2-2026)

<https://standards.iteh.ai/catalog/standards/sist/616198de-af95-4d86-ad50-4c44ac2033ad/sist-en-iec-61131-2-2026>

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. 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.cencenelec.eu](http://www.cencenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-2-1	-	Environmental testing - Part 2-1: Tests - Test A: Cold	EN 60068-2-1	-
IEC 60068-2-2	-	Environmental testing - Part 2-2: Tests - Test B: Dry heat	EN 60068-2-2	-
IEC 60068-2-6	-	Environmental testing - Part 2-6: Tests - Test Fc: Vibration (sinusoidal)	EN 60068-2-6	-
IEC 60068-2-14	-	Environmental testing - Part 2-14: Tests - Test N: Change of temperature	EN IEC 60068-2-14	-
IEC 60068-2-27	-	Environmental testing - Part 2-27: Tests - Test Ea and guidance: Shock	EN 60068-2-27	-
IEC 60068-2-30	-	Environmental testing - Part 2-30: Tests - Test Db: Damp heat, cyclic (12 h + 12 h cycle)	EN 60068-2-30	-
IEC 60068-2-31	-	Environmental testing - Part 2-31: Tests - Test Ec: Rough handling shocks, primarily for equipment-type specimens	EN 60068-2-31	-
IEC 60417	1973	Graphical symbols for use on equipment. Index, survey and compilation of the single sheets.	-	-
IEC 60947-5-1	2016	Low-voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices	EN 60947-5-1	2017
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

**EN IEC 61131-2:2025 (E)**

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
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 61000-4-5	2014	Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test	EN 61000-4-5	2014
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 61000-4-8	2009	Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test	EN 61000-4-8	2010
IEC 61000-4-11	2004	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests	EN 61000-4-11	2004
IEC 61000-4-18	2006	Electromagnetic compatibility (EMC) - Part 4-18: Testing and measurement techniques - Damped oscillatory wave immunity test	EN 61000-4-18	2007
IEC 61000-6-1	2016	Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity standard for residential, commercial and light-industrial environments	EN IEC 61000-6-1	2019
IEC 61000-6-2	2016	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity standard for industrial environments	EN IEC 61000-6-2	2019
IEC 61000-6-4	-	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments	EN IEC 61000-6-4	-
IEC 61010-2-201	-	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-201: Particular requirements for control equipment	EN IEC 61010-2-201	-
IEC 61131-1	-	Programmable controllers - Part 1: General information	EN 61131-1	-
IEC 61131-3	-	Programmable controllers - Part 3: Programming languages	EN 61131-3	-
IEC 61131-9	-	Programmable controllers - Part 9: Single-drop digital communication interface for small sensors and actuators (SDCI)	EN IEC 61131-9	-
IEC/TR 61131-4	2004	Programmable controllers - Part 4: User guidelines	-	-
IEC 61158	series	Industrial communication networks - Fieldbus specifications	EN IEC 61158	series
IEC 61784	series	Industrial communication networks - Profiles	EN IEC 61784	series
ISO 7000	-	Graphical symbols for use on equipment - Registered symbols	-	-