



**SLOVENSKI STANDARD**  
**SIST EN 61131-2:1998/A12:2001**  
**01-julij-2001**

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**Amendment A12:2000 to EN 61131-2:1994**

Programmable controllers -- Part 2: Equipment requirements and tests

Speicherprogrammierbare Steuerungen -- Teil 2: Betriebsmittelanforderungen und Prüfungen

Automates programmables -- Partie 2: Spécifications et essais des équipements

**STANDARD PREVIEW**  
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**Ta slovenski standard je istoveten z: EN 61131-2:1994/A12:2000**

<https://standards.iteh.ai/catalog/standards/sist/86ac6a58-893e-45ef-ba71-ac7d02985c38/sist-en-61131-2-1998-a12-2001>

**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 61131-2:1998/A12:2001**                      **en**

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EUROPEAN STANDARD

**EN 61131-2/A12**

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2000

ICS 35.060; 35.240.50

English version

**Programmable controllers  
Part 2: Equipment requirements and tests**

Automates programmables  
Partie 2: Spécifications et essais des  
équipements

Speicherprogrammierbare Steuerungen  
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**iTeh STANDARD PREVIEW**

This amendment A12 modifies the European Standard EN 61131-2:1994; it was approved by CENELEC on 2000-04-01. 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.

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[SIST EN 61131-2:1998/A12:2001](http://standards.iteh.ai)

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat 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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

**CENELEC**

European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

**Central Secretariat: rue de Stassart 35, B - 1050 Brussels**

## Foreword

This amendment to the European Standard EN 61131-2:1994 was prepared by CENELEC Reporting Secretariat SR 65B.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as amendment A12 to EN 61131-2:1994 on 2000-04-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented  
at national level by publication of an identical  
national standard or by endorsement (dop) 2001-01-01
  - latest date by which the national standards conflicting  
with the amendment have to be withdrawn (dow) 2003-01-01
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**2 Service conditions and physical environment related requirements**2.1.1.3 **Replace** by:2.1.1.3 *Relative humidity*

The equipment shall be suited for a relative humidity range from 10 % to 95 %, non-condensing (see Table 33 – Cyclic (12 + 12) damp heat withstand test).

2.1.2.2 **Delete** the third paragraph 'For electrostatic discharge ... classes of installation.'**Delete** Table 3.**Table 16 Electrical noise immunity requirements for PC-system and stand-alone peripherals (notes 1 and 2)****Delete** the column 'Maximum surge energy – Minimum source impedance' completely.**Replace** the lines '- For level RH-1: ESD-3' and '- For level RH-2: ESD-4' and their corresponding values by:

- Contact	4 kV	4 kV	4 kV
- Air	8 kV	8 kV	8 kV

**Table 43 Electrostatic discharge immunity test****Replace** the lines 'RH-1 / ESD-3' and 'RH-2 / ESD-4' and their corresponding values by:

- Contact	4 kV
- Air	8 kV

**Annex C**[SIST EN 61131-2:1998/A12:2001](https://standards.iteh.ai/catalog/standards/sist/86ac6a58-893e-45ef-ba71-ae7d02985c38/sist-en-61131-2-1998-a12-2001)In the third paragraph **replace** "IEC 801" by "IEC 61000-4".**Table C.1 Electrical noise tests for PC-system and stand-alone peripherals (notes 1 and 2)****Delete** the column 'Maximum surge energy - Minimum source impedance' completely.**Replace** the line 'Level RH-2: ESD-4' and its corresponding values by:

- Air discharge	15 kV	15 kV	15 kV
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