



SLOVENSKI STANDARD
SIST EN 50090-2-2:1998/A2:2007

01-oktober-2007

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Home and Building Electronic Systems (HBES) -- Part 2-2: System overview - General technical requirements

Elektrische Systemtechnik für Heim und Gebäude (ESHG) - Teil 2-2: Systemübersicht - Allgemeine technische Anforderungen

Systemes électroniques pour les foyers domestiques et les bâtiments (HBES) - Partie 2-2: Vue d'ensemble du systeme - Exigences techniques générales

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Ta slovenski standard je istoveten z: EN 50090-2-2:1996/A2:2007

ICS:

97.120	Avtomatske krmilne naprave za dom	Automatic controls for household use
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SIST EN 50090-2-2:1998/A2:2007 **en,de**

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English version

**Home and Building Electronic Systems (HBES) -
Part 2-2: System overview -
General technical requirements**

Systèmes électroniques
pour les foyers domestiques
et les bâtiments (HBES) -
Partie 2-2: Vue d'ensemble du système -
Exigences techniques générales

Elektrische Systemtechnik
für Heim und Gebäude (ESHG) -
Teil 2-2: Systemübersicht -
Allgemeine technische Anforderungen

iTeh STANDARD PREVIEW

This amendment A2 modifies the European Standard EN 50090-2-2:1996; it was approved by CENELEC on 2006-11-01. 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.

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, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the 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 50090-2-2:1996 was prepared by the Technical Committee CENELEC TC 205, Home and Building Electronic Systems (HBES).

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as amendment A2 to EN 50090-2-2:1996 on 2006-11-01.

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) 2007-11-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2011-11-01

The main reasons for this amendment are

- to update EMC references,
- to modify Clause 7 of A1 including references to powerline standards,
- to modify Subclause 5.3 in replacing the requirement for functional safety by reference to EN 50090-2-3.

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1 Scope

Delete the note.

2 Normative references

Replace EN 50081-1 by:

EN 61000-6-3 2007 Electromagnetic compatibility (EMC) – Part 6-3: Generic standards – Emission standard for residential, commercial and light-industrial environments (IEC 61000-6-3:2006)

Replace EN 50082-1 by:

EN 61000-6-1 2007 Electromagnetic compatibility (EMC) – Part 6-1: Generic standards – Immunity for residential, commercial and light-industrial environments (IEC 61000-6-1:2005)

Replace R205-002 by:

EN 50090-9-1 2004 Home and Building Electronic Systems (HBES) – Part 9-1: Installation requirements – Generic cabling for HBES Class 1 Twisted Pair

Replace EN 50065, Series by: standards.iteh.ai

EN 50065-1 2001 Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz – Part 1: General requirements, frequency bands and electromagnetic disturbances

EN 50065-2-1 2003 Part 2-1: Immunity requirements for mains communications equipment and systems operating in the range of frequencies 95 kHz to 148,5 kHz and + A1 2005 intended for use in residential, commercial and light industrial environments

Add the following reference:

EN 50090-2-3 2005 Home and Building Electronic Systems (HBES) – Part 2-3: System overview – General functional safety requirements for products intended to be integrated in HBES

Delete the following reference:

EN 60742 Isolating transformers and safety isolating transformers – Requirements (IEC 60742, mod.)

4.1.1 Topology of control cables

Replace in the last sentence “R205-002” by “EN 50090-9-1”.

4.2.1 Planning

Replace in the last sentence “R205-002” by “EN 50090-9-1”.

4.2.2 Control cables

Replace in the first and last sentences “R205-002” by “EN 50090-9-1”.

5.2.4.3 Protective separation

Delete “or EN 60742” in the second paragraph.

5.2.6 Installation

Replace “R205-002” by “EN 50090-9-1”.

5.3 Functional safety

Replace the subclause by:

For functional safety requirements standard EN 50090-2-3 applies.

7 Electromagnetic compatibility requirements for devices connected to Twisted Pair or coaxial media

Replace in the first paragraph “the series EN 50065 applies” by “EN 50065-1 and EN 50065-2-1 apply”.

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7.1 Application area

Replace in the first paragraph “EN 50082-1 and EN 50081-1” by “EN 61000-6-1 and EN 61000-6-3”.

7.2 Performance criteria

Replace in the first paragraph “EN 50082-1” by “EN 61000-6-1”.

7.3 Immunity test requirements

Replace in the first paragraph “EN 50082-1” by “EN 61000-6-3”.