

SLOVENSKI
STANDARD

**SIST EN 50065-4-
2:2003/A2:2005**

september 2005

Signalizacija po nizkonapetostnih električnih napeljavah v frekvenčnem območju od 3 kHz do 148,5 kHz – 4-2. del: Nizkonapetostni ločilni filtri – Varnostne zahteve

Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz - Part 4-2: Low voltage decoupling filters - Safety requirements

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ICS 31.160; 33.040.30

Referenčna številka
SIST EN 50065-4-2:2003/A2:2005(en)

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**Signalling on low-voltage electrical installations
in the frequency range 3 kHz to 148,5 kHz and 1,6 MHz to 30 MHz
Part 4-2: Low voltage decoupling filters –
Safety requirements**

Transmission de signaux sur les réseaux électriques basse tension dans la bande de fréquences de 3 kHz à 148,5 kHz et de 1,6 MHz à 30 MHz
Partie 4-2: Filtres basse tension de découplage - Exigences de sécurité

Signalübertragung auf elektrischen Niederspannungsnetzen im Frequenzbereich 3 kHz bis 148,5 kHz und 1,6 MHz zu 30 MHz
Teil 4-2: Niederspannungs-Entkopplungsfilter - Sicherheitsanforderungen

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This amendment A2 modifies the European Standard EN 50065-4-2:2001; it was approved by CENELEC on 2005-03-01. 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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

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Foreword

This amendment to the European Standard EN 50065-4-2:2001 was prepared by SC 205A, Mains communicating systems, of 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 50065-4-2:2001 on 2005-03-01.

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) 2006-03-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2008-03-01

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Title

Replace the title by:

Signalling on low voltage electrical installations in the frequency range 3 kHz to 148,5 kHz and 1,6 MHz to 30 MHz – Part 4-2: Low voltage decoupling filters - Safety requirements

Foreword

Add the following paragraph:

This safety standard EN 50065-4-2 has no frequency dependent content. It was originally conceived as a safety document within the EN 50065 set of standards, which have a frequency of 3 kHz to 148,5 kHz. When the scope of SC 205A was extended to 30 MHz, SC 205A agreed that the scope of the published safety standard, Part 4-2 "Low voltage decoupling filters – Safety requirements" should be amended to include the band 1,6 MHz to 30 MHz in order to cover the additional set of standards for 1,6 MHz to 30 MHz. This required no technical changes to the body of the document. In addition, it was agreed that Part 4-7 "Portable low voltage decoupling filters – Safety requirements" should also cover both frequency ranges. For this reason the title of this part of EN 50065 covers the extended frequency ranges 3 kHz to 148,5 kHz and 1,6 MHz to 30 MHz.

10 Protection against electric shock

Add at the end of Clause 10:

10.2.3 If the filter contains capacitors in excess of 0,1 µF connected between line conductors, the voltage resulting from static charges shall fall below DC 120 V in less than 5 s after disconnection from the power supply.

15 Insulation resistance and dielectric strength

15.1 Add at the end of the third paragraph:

, electronic components connected between live parts of different polarity being disconnected for the test.

At the beginning of the fourth and fifth paragraphs, **replace** "is measured" by "measured" (English version only).

15.2.2 Delete Note 1.

23 Components

23.1 Add at the end:

It is proposed to consider for filters with rated currents equal to or higher than 40 A a minimum prospective fault current of 6 000 A.

25 Protection against short-circuit

Add at the end:

It is proposed to consider for filters with rated currents equal to or higher than 40 A a minimum prospective fault current of 6 000 A.