

SLOVENSKI STANDARD
SIST EN 50065-1:1997/A2:1998
01-september-1998

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 - Amendment A2

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

Signalübertragung auf elektrischen Niederspannungsnetzen im Frequenzbereich 3 kHz bis 148,5 kHz -- Teil 1: Allgemeine Anforderungen, Frequenzbänder und elektromagnetische Verträglichkeit

Transmission de signaux sur les réseaux électriques basse tension dans la bande de fréquences de 3 kHz à 148,5 kHz -- Partie 1: Règles générales, bandes de fréquences et perturbations électromagnétiques

Ta slovenski standard je istoveten z: EN 50065-1:1991/A2:1995

ICS:

33.040.30	Komutacijski in signalizacijski sistem	Switching and signalling systems
33.100.01	Elektromagnetna združljivost na splošno	Electromagnetic compatibility in general

SIST EN 50065-1:1997/A2:1998 **en**

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EUROPEAN STANDARD

EN 50065-1/A2

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 1995

UDC 621.394.45
ICS 33.040.30

Descriptors: Supply mains, low voltage, transmission, frequency, signal, quality

English version

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frequency range 3 kHz to 148,5 kHz
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and electromagnetic disturbances**

Transmission de signaux sur les réseaux
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This amendment A2 modifies the European Standard EN 50065-1:1991; it was approved by CENELEC on 1994-12-06. 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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



REPUBLIKA SLOVENIJA
MINISTRSTVO ZA ZNANOST IN TEHNOLOGIJO
Urad RS za standardizacijo in meroslovje
LJUBLJANA

SIST... EN 50065-1/A2
PREVZET PO METODI RAZGLASITVE

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

-09- 1998

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Ref. No. EN 50065-1:1991/A2:1995 E

1995-08-25

Foreword

The difficulties caused by the bandwidth of the measuring instrument for the measurement of signals above 150 kHz are mentioned in CLC/SC 105A(Secretariat)47. The basic difficulty, as discussed at the eleventh and twelfth meeting of SC 105A, is that the measuring instrument defined by the minimum requirements of CISPR 16 is unsuitable for the measurement of mains signalling equipment that uses a signalling frequency not far below 150 kHz, due to the wide variation in attenuation allowed and also that the attenuation is not specified beyond 20dB. At its thirteenth meeting SC 105A agreed that the proper solution would be to specify the attenuation characteristic of the measuring receiver more closely, receivers of this specification being known to be available on the market. The attached amendment gives the attenuation characteristics of a suitable receiver.

This amendment was prepared by SC 105A, Mains communicating systems, of Technical Committee CENELEC TC 105, 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 50065-1:1991 on 1994-12-06.

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) 1995-10-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 1995-10-01

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7 Disturbance Limits

At the end of the first paragraph after "...shall conform to CISPR 16 second edition." add "For the measurement above 150 kHz refer to additional information in annex E"

After annex D, add:

Annex E (Normative)

Attenuation characteristics of measuring instrument above 150 kHz

For the measurement of out-of-band signals above 150 kHz a measuring instrument complying with CISPR 16 with the following attenuation characteristics shall be used.

Deviation from mid band (kHz)	Attenuation (dB)
0	0
4	≤ 6
5	≤ 6
10	≤ 34
20	≤ 81

