
Električni merilni pretvorniki za pretvarjanje izmeničnih električnih veličin v analogne ali digitalne signale – Dopnilo A1 (IEC 60688:1992/A1:1997, spremenjen)

Electrical measuring transducers for converting a.c. electrical quantities to analogue or digital signals

Elektrische Messumformer zur Umwandlung von Wechselstromgrößen in analoge oder digitale Signale

Transducteurs électriques de mesure convertissant les grandeurs électriques alternatives en signaux analogiques ou numériques

Ta slovenski standard je istoveten z: EN 60688:1992/A1:1999

ICS:

17.220.20	Merjenje električnih in magnetnih veličin	Measurement of electrical and magnetic quantities
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SIST EN 60688:1995/A1:2001

en

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English version

**Electrical measuring transducers for converting
a.c. electrical quantities to analogue or digital signals
(IEC 60688:1992/A1:1997, modified)**

Transducteurs électriques de mesure
convertissant les grandeurs électriques
alternatives en signaux analogiques ou
numériques
(CEI 60688:1992/A1:1997, modifiée)

Meßumformer für die Umwandlung von
Wechselstromgrößen in analoge oder
digitale Signale
(IEC 60688:1992/A1:1997, modifiziert)

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This amendment A1 modifies the European Standard EN 60688:1992; it was approved by CENELEC on 1999-04-01. 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.

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

The text of amendment 1:1997 to the International Standard IEC 60688:1992, prepared by IEC TC 85, Measuring equipment for electrical and electromagnetic quantities, together with common modifications prepared by Reporting Secretariat SR 85, was submitted to the formal vote and was approved by CENELEC as amendment A1 to EN 60688:1992 on 1999-04-01.

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) 2000-04-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2002-10-01

Annexes designated "normative" are part of the body of the standard.
In this standard, annex ZA is normative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of amendment 1:1997 to the International Standard IEC 60688:1992 was approved by CENELEC as an amendment to the European Standard with agreed common modifications as given below.

COMMON MODIFICATIONS

<https://standards.iteh.ai/catalog/standards/sist/3e616931-7ce1-4a68-9956-7ecf009f73b/sist-en-60688-1995-a1-2001>

7.1 Marking on the case

Add, to the list, the following new line:

- q) Overvoltage category (see IEC 61010-1/A2, subclause 5.1.5)

The requirements for the overvoltage tests have to be reduced to the following test conditions 2 times 10 s and 10 times 3 s.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE: When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Delete the reference to:

- IEC 60414:1973.

Replace the reference to IEC 60521 by:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60521	1988	Class 0,5, 1 and 2 alternating-current watt-hour meters	EN 60521 corr. December	1995 1997

Addition:

IEC 61010-1 (mod)	1990	Safety requirements for electrical equipment for measurement, control and laboratory use Part 1: General requirements	EN 61010-1 ¹⁾	1993
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1) EN 61010-1 includes A1:1992 to IEC 61010-1.

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NORME
INTERNATIONALE
INTERNATIONAL
STANDARD

CEI
IEC
60688

1992

AMENDEMENT 1
AMENDMENT 1

1997-10

Amendement 1

**Transducteurs électriques de mesure
convertissant les grandeurs électriques
alternatives en signaux analogiques
ou numériques**

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Amendment 1

[SIST EN 60688:1995/A1:2001](https://standards.iteh.ai/catalog/standards/sist/en-60688-1995/a1-2001)

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**Electrical measuring transducers
for converting a.c. electrical quantities
to analogue or digital signals**

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International Electrotechnical Commission
Telefax: +41 22 919 0300

3, rue de Varembé Geneva, Switzerland
e-mail: inmail@iec.ch IEC web site <http://www.iec.ch>



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE

C

*Pour prix, voir catalogue en vigueur
For price, see current catalogue*

FOREWORD

This amendment has been prepared by IEC technical committee 85: Measuring equipment for electromagnetic quantities.

The text of this amendment is based on the following documents:

FDIS	Report on voting
85/165/FDIS	85/176/RVD

Full information on the voting for the approval of this amendment can be found in the report on voting indicated in the above table.

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2 Normative references

Delete the reference to IEC 60414.

Add the following new reference after IEC 60521:

IEC 61010-1:1990, *Safety requirements for electrical equipment for measurement, control and laboratory use – Part 1: General requirements*

<https://standards.iteh.ai/catalog/standards/sist/3e616931-7ce1-4a68-9956-7ecfc009f73b/sist-en-60688-1995-a1-2001>

Page 61

6.20.1

Replace the last sentence in the third paragraph by the following:

Any flashover (capacitance discharge) shall be considered a criterion of failure unless occurring in a component designed for such.

Page 63

7.1 Marking on the case

Delete item k).

Add, on page 65, the following new items:

- p) Common mode voltage (note).
- q) Overvoltage category (see IEC 61010-1, amendment 2, subclause 5.1.5).
- r) Pollution degree according to IEC 61010-1.
- s) Other required safety symbols according to IEC 61010-1.