

Fixed inductors for use in electronic and telecommunication equipment — Marking codes

The European Standard EN 61605:2005 has the status of a
British Standard

ICS 29.100.10

National foreword

This British Standard is the official English language version of EN 61605:2005. It is identical with IEC 61605:2005. It supersedes BS EN 61605:1997 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee EPL/51, Transformers, inductors, magnetic components and ferrite materials, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 10, an inside back cover and a back cover.

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Amendments issued since publication

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English version

**Fixed inductors for use in electronic and
telecommunication equipment –
Marking codes
(IEC 61605:2005)**

Inductances fixes utilisées
dans les équipements électroniques
et de télécommunications –
Codes pour le marquage
(CEI 61605:2005)

Festinduktivitäten für elektrische und
nachrichtentechnische Einrichtungen -
Kennzeichnungen
(IEC 61605:2005)

This European Standard was approved by CENELEC on 2005-07-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard 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 European Standard 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.

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CENELEC

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

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Foreword

The text of document 51/819/FDIS, future edition 2 of IEC 61605, prepared by IEC TC 51, Magnetic components and ferrite materials, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61605 on 2005-07-01.

This European Standard supersedes EN 61605:1997.

It includes the following significant technical changes:

- a) some new letter codes for tolerances of inductance values have been added;
- b) the date code system for fixed inductors has been updated.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2006-04-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2008-07-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61605:2005 was approved by CENELEC as a European Standard without any modification.

FIXED INDUCTORS FOR USE IN ELECTRONIC AND TELECOMMUNICATION EQUIPMENT – MARKING CODES

1 Scope

This International Standard specifies marking codes for fixed inductors.

The colour code specified in Clause 3 gives a colour coding for fixed inductors. It is intended for use with the values of the E 3 to E 24 series as specified in IEC 60063.

The code specified in Clause 4 gives a system for marking inductance values by means of digits and letters.

The code specified in Clause 5 gives a system for marking the tolerance on inductance values by means of letters.

The code specified in Clause 6 gives a system for marking of date codes on fixed inductors by means of letters and digits.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60063, *Preferred number series for resistors and capacitors*

ISO 8601:2004, *Data elements and interchange formats – Information interchange – Representation of dates and times*

3 Colour code for fixed inductors

3.1 General rules

Colour codes for fixed inductors should be expressed in “bands”. If other shapes than bands are applied, the relevant specification shall prescribe their configuration, placement and identification.

Colour codes for fixed inductors shall consist of four bands. The first three bands shall indicate inductance values and the last band shall indicate tolerances.

Inductance values shall be expressed by two significant figures and another figure expressing multipliers.