

**Harmonized system of quality
assessment for electronic components**

Generic specification: Sockets for use with electrical relays of assessed quality

The European Standard EN 147000:1993 has the status of a
British Standard

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Finland	Norway
France	Portugal
Germany	Spain
Greece	Sweden
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This British Standard, having been prepared under the direction of the Electrotechnical Sector Board, was published under the authority of the Standards Board and comes into effect on 15 January 1995

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The following BSI references relate to the work on this standard:
Committee reference ECL/1
Special announcement in *BSI News* August 1994

ISBN 0 580 23499 1

Amendments issued since publication

Amd. No.	Date	Comments

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National foreword

This British Standard has been prepared under the direction of the Electrotechnical Sector Board and is the English language version of EN 147000:1993 *Generic specification: Sockets for use with electrical relays of assessed quality*, published by the European Committee for Electrotechnical Standardization (CENELEC) Electronic Components Committee (CECC).

The British Standard which implements the CECC Rules of Procedure is BS 9000-2:1991 *General requirements for a system for electronic components of assessed quality — Part 2. Specification for the national implementation of the CECC system*.

The foreword of EN 147000 makes reference to the “date of withdrawal”, dow, of the conflicting national standard. In this case there is no existing conflicting national standard.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 22, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

UDC

Descriptors: Quality, electronic components, sockets

English version

Generic specification: Sockets for use with electrical relays of assessed quality

Spécification générique:
Supports pour relais sous assurance de la
qualité

Fachgrundspezifikation:
Gütebestätigte Fassungen Für die Verwendung
mit elektischen Schaltrelais

This European Standard was approved by the CENELEC Electronic Components Committee (CECC) on 10 August 1992. 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.

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. The membership of the CECC is identical, with the exception of the national electrotechnical committees of Greece, Iceland and Luxembourg.

CECC

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

Central Secretariat: rue de Stassart 35, B-1050 Brussels

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Foreword

The CENELEC Electronic Components Committee (CECC) is composed of those member countries of the European Committee for Electrotechnical Standardization (CENELEC) who wish to take part in a harmonized System for electronic components of assessed quality.

The object of the System is to facilitate international trade by the harmonization of the specifications and quality assessment procedures for electronic components, and by the granting of an internationally recognized Mark, or Certificate, of Conformity. The components produced under the System are thereby acceptable in all member countries without further testing.

This specification was prepared by CECC WG 16 Relays.

The text of the draft based on document CECC (Secretariat)2780 was submitted to the formal vote; together with the voting report, circulated as document CECC(Secretariat)3140, it was approved by CECC as EN 147000 on 10 August 1992.

The following dates were fixed:

- latest date of announcement of the EN at national level (doa) 1993-02-11
- latest date of publication of an identical national standard (dop) 1993-08-11
- latest date of declaration of national standards obsolescence 1993-08-11
- latest date of withdrawal of conflicting national standards (dow) 2003-02-11

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1 Scope

This specification covers the general requirements for sockets used with plug in electrical relays of assessed quality.

2 General

2.1 Order of precedence

In the event of any conflict between documents, the order of precedence shall be:

- 1) the detail specification
- 2) the sectional specification
- 3) the generic specification
- 4) The Internal Regulations of the FEN e.V., or any other international documents (for example of the IEC) to which reference is made.

The same order of precedence shall apply to equivalent national documents.

2.2 Related documents

Reference to the following documents is made in this specification.

- | | | |
|------------|--------|---|
| ISO 1000 | (1981) | <i>SI units and recommendations for the use of their multiples and of certain other units.</i> |
| IEC 27-1 | (1971) | <i>Letter symbols to be used in electrical technology. General.</i>
(Amendment 4, 1983) |
| IEC 50 | — | <i>International Electrotechnical Vocabulary.</i> |
| IEC 60 | — | <i>High voltage test techniques.</i> |
| IEC 68-1 | (1988) | <i>Environmental testing. Part 1: General and guidance.</i>
(Amendment 1, 1992) |
| IEC 617 | — | <i>Graphical symbols for diagrams.</i> |
| IEC 947-1 | (1988) | <i>Degrees of protection of enclosures for low-voltage switchgear and controlgear.</i> |
| IEC 255 | — | <i>Electrical relays.</i> |
| IEC 410 | (1973) | <i>Sampling plans and procedures for inspection by attributes.</i>
(See CECC 00007, 1973) |
| IEC 443 | (1974) | <i>Stabilised supply apparatus for measurement.</i> |
| CECC 00109 | (1974) | <i>Certified test records.</i> |
| CECC 00114 | — | <i>Quality assessment procedures/Part II (1992): Qualification approval of electronic components.</i> |

SECRETARIAT'S NOTE: At the date of publication of this specification the publication state of IEC 60 and IEC 255 is:

- | | | |
|--------------|--------|--|
| IEC 60-1 | (1988) | <i>General definitions and test requirements.</i> |
| IEC 60-2 | (1973) | <i>Test procedures.</i> |
| IEC 60-3 | (1976) | <i>Measuring devices.</i> |
| IEC 60-4 | (1977) | <i>Application guide for measuring devices.</i> |
| IEC 255-0-20 | (1974) | <i>Contact performance of electrical relays.</i> |
| IEC 255-1-00 | (1975) | <i>All-or-nothing electrical relays.</i> |
| IEC 255-3 | (1989) | <i>Single input energizing quantity measuring relays with non-specified time or with independent specified time.</i> |
| IEC 255-5 | (1977) | <i>Insulation tests for electrical relays.</i> |
| IEC 255-6 | (1978) | <i>Measuring relays with more than one input energizing quantity.</i> |
| IEC 255-7 | (1991) | <i>Test and measurement procedures for electromechanical all-or nothing relays.</i> |