

Specification for

**Harmonized system of
quality assessment for
electronic
components —
Blank detail
specification —**

**Ambient rated photocouplers with
phototransistor output**

The European Standard EN 120004:1992 has the status of a
British Standard.

Amendments issued since publication

Amd. No.	Date of issue	Comments
8003	October 1993	Indicated by a sideline in the margin

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National foreword

This British Standard has been prepared under the direction of the Electronic Components Standards Committee. It is identical with CENELEC Electronic Components Committee (CECC) 20004:1987 “*Harmonized system of quality assessment for electronic components. Blank detail specification: Ambient rated photocouplers with phototransistor output*”.

Terminology and conventions. The text of the CECC specification has been approved as suitable for publication as a British Standard without deviation. Some terminology and certain conventions are not identical with those used in British Standards; attention is drawn especially to the following.

In 1992 the CENELEC Electronics Components Committee (CECC) accepted CECC 20004:1987 as European Standard EN 120004:1992.

The comma has been used throughout as a decimal marker. In British Standards it is current practice to use a full point on the baseline as the decimal marker.

Cross-references. The British Standard which implements CECC 00100 is BS 9000 “*General requirements for a system for electronic components of assessed quality*” Part 2:1983 “*Specification for national implementation of CECC basic rules and rules of procedure*”.

International Standard ^a	Corresponding British Standard
CECC 20000:1982	BS CECC 20000:1983 <i>Harmonized system of quality assessment for electronic components: Generic specification: Semiconductor optoelectronic and liquid crystal devices</i> (Identical)

^a Undated in text.

The Technical Committee has reviewed the provisions of IEC 191-2, to which reference is made in the text, and has decided that they are acceptable for use in conjunction with this standard. A related British Standard for IEC 191-2, published by the International Electrotechnical Commission, is BS 3934 “*Specification for dimensions of semiconductor devices and integrated electronic circuits*”.

Scope. This standard lists the ratings, characteristics and inspection requirements which shall be included as mandatory requirements in accordance with BS CECC 20000 in any detail specification for these devices.

With respect to Issue 1, the most important changes are the additional requirements for photocouplers specified to bridge basic or supplementary insulation or to bridge double or reinforced insulation.

Detail specification layout. The front page layout of detail specifications released to BS CECC family or blank detail specifications will be in accordance with BS 9000 Circular Letter No. 15.

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.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, page 2, the CECC title page, pages ii to iv, pages 1 to 14 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.

Blank Detail Specification: Ambient rated photocouplers with phototransistor output

Spécification Particulière Cadre:
Photocoupleurs à température
ambiante spécifiée, avec
phototransistor en sortie

Vordruck für Bauartspezifikation:
Umgebungsbezogene
Optokoppler mit
Fototransistor-Ausgang

This European Standard was approved by the CENELEC Electronic Components Committee (CECC) on 27 January 1992. CENELEC members are bound to comply with 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 General Secretariat of the CECC 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 CECC General 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

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 grant 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 European Standard was prepared by CECC WG 20, "Opto-Electronic Components and Liquid Crystal Devices".

The text of the draft based on document CECC 20004 Issue 2:1987 was submitted to the formal vote for conversion to a European Standard; together with the voting report, circulated as document CECC(Secretariat)3006 the following documents were approved by CECC as EN 120004 on 27 January 1992:

CECC 20004 Issue 1:1987 with Amendment 1

The following dates were fixed:

- latest date of announcement of the EN at national level (doa) 1992-12-22
- latest date of publication of an identical national standard (dop) 1993-06-22
- latest date of declaration of national standards obsolescence 1993-06-22
- latest date of withdrawal of conflicting national standards (dow) 2002-12-22

English version

Harmonized System of Quality Assessment for
Electronic Components

BLANK DETAIL SPECIFICATION:
**AMBIENT RATED
PHOTOCOUPPLERS WITH
PHOTOTRANSISTOR OUTPUT**

Système Harmonisé d'Assurance de la Qualité
des Composants Electroniques

SPECIFICATION PARTICULIERE CADRE:
**PHOTOCOUPLEURS
A TEMPERATURE AMBIANTE
SPECIFIEE, AVEC
PHOTOTRANSTISOR EN SORTIE**

Harmonisiertes Gütebestätigungssystem für
Bauelemente der Elektronik

VORDRUCK
FÜR BAUARTSPEZIFIKATION:
**UMGEBUNGSBEZOGENE
OPTOKOPPLER MIT
PHOTOTRANSISTOR-AUSGANG**



2 Edition
Issue
Ausgabe

CECC 20 004

1987

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