

Specification for

**Harmonized system of
quality assessment for
electronic
components —
Blank detail
specification —
Electromechanical
all-or-nothing
TELECOM relays of
assessed quality,
dual-in-line,
with 20 mm × 10 mm
base**

The European Standard EN 116502:1992 has the status of a British Standard.

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Committees responsible for this British Standard

The preparation of this British standard was entrusted to Technical Committee EPL/94, General purpose relays and reed contact units, upon which the following bodies were represented:

- Federation of the Electronics Industry
- Ministry of Defence
- National Supervising Inspectorate (BSI PC)

Amendments issued since publication

Amd. No.	Date	Comments

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National foreword

This British Standard has been prepared by Technical Committee EPL/94 and is the English language version of EN 116502:1992: *Blank detail specification: Electromechanical all-or-nothing TELECOM relays of assessed quality, dual-in-line, with 20 mm × 10 mm base*, published by the Electronic Components Committee (CECC) of the European Committee for Electrotechnical Standardization (CENELEC).

This standard lists the ratings, characteristics and inspection requirements which shall be included as mandatory requirements in any detail specification for this type of relay.

Detail specifications shall conform to the requirements of this blank detail specification and BS CECC 00111 *Rule of Procedure 11. Specifications — Part 4:1991 Regulations for CECC detail specifications*.

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

Cross-references

Publication referred to	Corresponding British Standard
CECC 00114-2:1994	BS CECC 00114 <i>Rule of procedure 14 Quality assessment procedures Part 2:1995 Qualification approval of electronic components</i>
EN 116000-1:1992 (CECC 16000-1:1990)	BS EN 116000-1 ^a <i>Harmonized system of quality assessment for electronic components. Generic specification: Electromechanical all-or-nothing relays. Part 1:1996 General</i>
EN 116500:1992	BS EN 116500:1995 ^a <i>Harmonized system of quality assessment for electronic components. Sectional specification: Electromechanical all-or-nothing TELECOM relays of assessed quality</i>
IEC 62:1992	BS EN 60062:1994 <i>Marking codes for resistors and capacitors</i>
IEC 68-2-17:1994	BS EN 60068-2-17:1995 <i>Environmental testing. Test Q. Sealing</i>
	BS 2011 <i>Environmental testing</i>
IEC 68-2-20:1979	Part 2.1T:1981 <i>Test T. Soldering</i>
IEC 68-2-47:1982	BS EN 60068-2-47:1993 <i>Environmental testing. Mounting of components, equipment and other articles for dynamic tests including shock (Ea), bump (Eb), vibration (Fc and Fd) and steady-state acceleration (Ga) and guidance</i>
IEC 255-14:1981	BS 5992 <i>Electrical relays</i> Part 4:1983 <i>Specification for contact loads of preferred values used in endurance tests for electrical relay contacts</i>

^a In preparation

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 to iv, the EN title page, pages 2 to 23 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, TELECOM relays

English version

**Blank detail specification:
Electromechanical all-or-nothing TELECOM relays
of assessed quality, dual-in-line, with 20×10 mm base**

Spécification particulière cadre:
Relais électromécaniques de tout-ou-rien
TELECOM dual-in-line avec une surface
d'encombrement de 20×10 mm, soumis au
régime d'assurance de la qualité

Vordruck für Bauartspezifikation:
Gütebestätigte elektromechanische
Dual-in-line TELEKOM-Relais
mit 20×10 mm Grundfläche

This European Standard was approved by the CENELEC Electronic Components Committee (CECC) on 13 February 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

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Preface

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 specification has been formally approved by the CECC, and has been prepared for those countries taking part in the System who wish to issue national harmonized specifications for ELECTROMECHANICAL ALL-OR-NOTHING RELAYS. It should be read in conjunction with the current regulations for the CECC System.

Foreword

This specification was prepared by CECC WG 16 “Relays”.

It is based, wherever possible, on the Publications of the International Electrotechnical Commission (IEC).

The CECC voting procedure has been concluded on draft prEN 116502:1992 circulated as document CECC(Secretariat)2779/4.91 and has resulted in a positive vote.

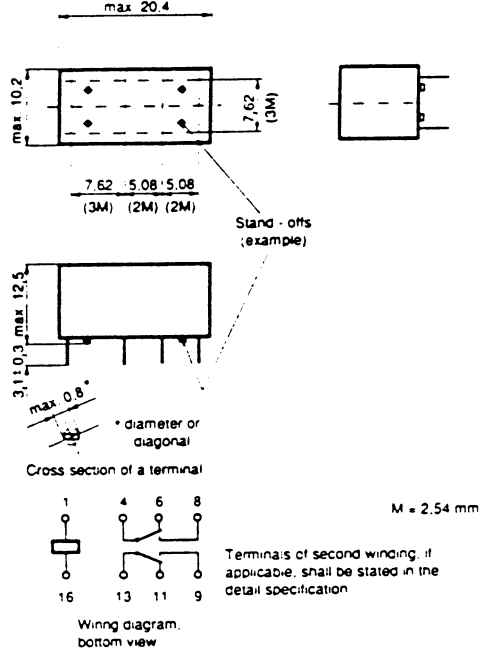
The voting report [document CECC(Secretariat)3011/1.92] has been submitted for formal approval and has been accepted. The reference document was approved by CECC as EN 116502:1992 on 13 February 1992.

The following dates were fixed:

- latest date of announcement of the EN at national level (doa) 1993-02-05
- latest date of publication of an identical national standard (dop) 1993-08-05
- latest date of withdrawal of conflicting national standards (dow) 1993-08-05

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Electronic components of assessed quality in accordance with: (3) EN 116000-1:1992 (CECC 16000-I:1990) EN 116500:1992	(4)
Detail specification for electromechanical all-or-nothing TELECOM relays of assessed quality, dual-in-line, with 20×10 mm base, 2 change-over contacts	
Type: 2 change-over contacts (5)	
Construction: Dual-in-line, with 20×10 mm base (6)	
Plastic sealed case, overall height of 12,5 mm max.	
Relay properties RT III	
For conventional assembling techniques of printed circuit boards using mounting holes and soldering	
Outline drawing resp. wiring diagram (7) Dimensions in mm 	Application: (8) Relays according to this standard are provided for the operation in telecommunication applications. However, as printed circuit board relays they are suitable also for particular industrial and other applications.
Coil data (9) Rated voltages: V d.c. Rated power: mW	
Contact data (10) Change-over break-before-make contacts Rated contact voltage: 125 V d.c./110 V a.c. current: 1,25 A power: 30 W/50 VA	
Component climatic category: 25/70/21 (11) Temperature range — operating ambient temperature: — 25 to + 70 °C — storage temperature: — 40 to + 85 °C	
Information about manufacturers who have components qualified to this detail specification is available in the current CECC 00200.	