

Electrical relays —

Part 6: Specification for the basic modules for the dimensions of general purpose all-or-nothing relays

UDC 621.318.5-544

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- British Telecommunications
- Electricity Supply Industry in England and Wales
- Electronics Components Industry Federation
- Institution of Electrical Engineers
- Ministry of Defence
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This British Standard, having been prepared under the direction of the General Electrotechnical Engineering Standards Committee, was published under the authority of the Board of BSI and comes into effect on 31 May 1984

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The following BSI references relate to the work on this standard:
Committee reference GEL/5
Draft for comment 77/22764 DC

ISBN 0 580 13861 5

Amendments issued since publication

Amd. No.	Date of issue	Comments

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Foreword

This Part of this British Standard, which has been prepared under the direction of the General Electrotechnical Engineering Standards Committee, is technically equivalent to IEC Publication 255-18 “Electrical relays, Part 18: Dimensions for general purpose all-or-nothing relays”, published in 1982 by the International Electrotechnical Commission (IEC). Most of the text is identical to the international document. Where changes have been made this has been done to clarify the meaning of the text and to render the scope of the document more precise.

Those Parts of IEC Publication 255 “Electrical relays” which are concerned primarily with protection relays are incorporated where required into BS 142 “*Electrical protection relays*”. Other Parts of IEC Publication 255 which are implemented as British Standards form, or will form, Parts of this British Standard¹⁾.

Some Parts of IEC Publication 255 are designated first level documents, i.e. they cover the requirements of all relays within the scope of IEC Technical Committee No. 41, Electrical relays. Other Parts of IEC Publication 255 are designated lower level documents, i.e. they are concerned with the requirements of a family of relays (second level) and of smaller and more specialized groups of relays within such a family (third and fourth level).

According to this system of classification this is a third level document.

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, pages 1 to 8, 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.

¹⁾ Parts of IEC 255 that form part of the IEC Q Quality Assurance System will also carry a QC series number beginning with the digits 16. The corresponding British Standards will then become Parts of BS 9916.

1 Scope

This Part of BS 5992 specifies the basic dimensional modules to be used in determining the external dimensions of general purpose all-or-nothing relays and the location of their terminal and fixing centres. It applies equally to all such relays regardless of their type of construction (e.g. electromechanical, electronic, reed, etc.) and includes the height of the socket when the relay is socket-mounted.

It also defines the external dimensions and gives preferred values for these in terms of multiples of the specified modules.

This standard does not apply to relays standardized by the International Organization for Standardization (ISO) (TC 20, Aircraft and space vehicles) or to the internal construction of relays or to the size of fixing arrangements and terminals (see flow-chart).

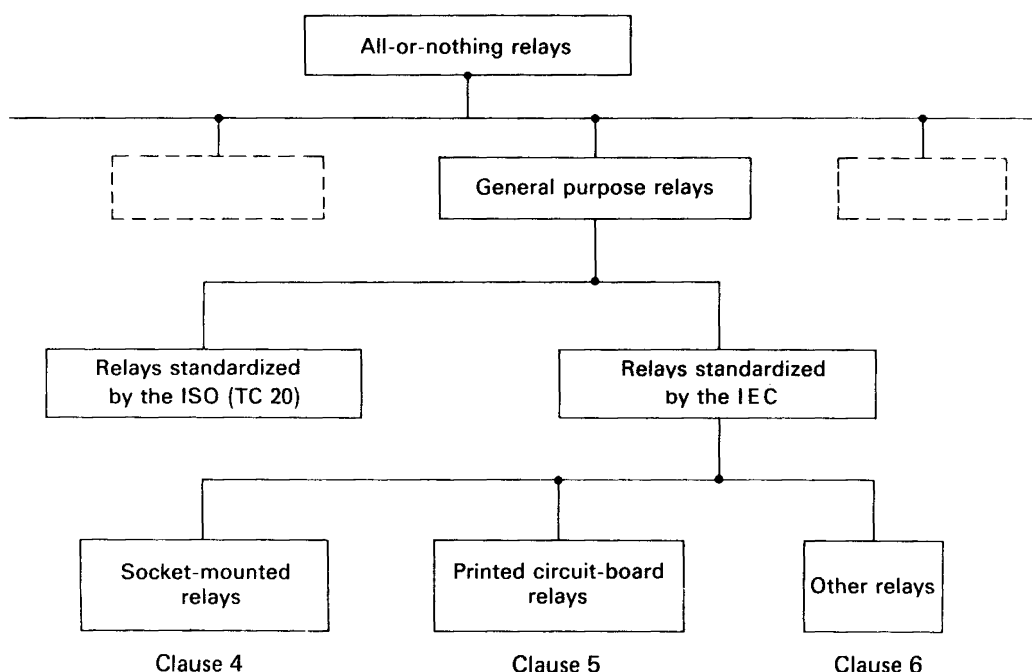
The object of this standard is to state the following for the external dimensions and location of terminal and fixing centres for general purpose all-or-nothing relays:

- a) definitions (clause 2);
- b) basic module and recommended multipliers (clause 3) for:
 - 1) socket-mounted relays (clause 4);
 - 2) relays for printed circuit boards (clause 5);
 - 3) other relays (clause 6).

All dimensions given in this standard are in millimetres.

External dimensions are given in integer multiples of the basic module whose value is specified for the various types of relay.

NOTE The titles of the publications referred to in this standard are listed on the inside back cover.



2 Definitions

For the purposes of this Part of BS 5992 the following definitions apply.

2.1

general purpose relays

general purpose relays are all types of electrical relays, independent of application, with fixing devices and terminals