

Rules for the preparation of
Detail specifications for

Printed board programming switches

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, pages 1 to 8 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.

Amendments issued since publication

Amd. No.	Date	Comments

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1 Scope

This document prescribes the rules for the drafting of detail specifications for printed circuit board mounted programming switches of assessed quality at the basic assessment level and full assessment level and should be read in conjunction with BS 9565:1981 “*Specification for printed mounted programming switches of assessed quality: generic data and methods of test*”.

2 Basic information

The purpose of these rules is to indicate the manner in which the information contained in the generic specification shall be incorporated in the individual detail specifications. In addition they specify the tests which are required for each assessment level [see 1.1.1 a) of BS 9565] together with recommended AQLs and inspection levels.

The object of a detail specification is to describe a particular type of printed circuit board mounted programming switch in such a way that its physical, electrical and mechanical parameters are fully defined. It shall also state the tests which are necessary to determine that the switch meets these parameters and the subsequent inspection procedures which shall be adopted to ensure that the item continues to comply with the original standard. Additionally, see Circular Letter 15.

The front pages of the specification shall contain as a minimum the information required by 2.1 to 2.9 inclusive.

2.1 Originator of the detail specification. The name of the originator of the detail specification, i.e. British Standards Institution or an individual manufacturer, shall be stated.

2.2 Detail specification number. The number of the detail specification, the issue number, and the date of the issue shall be quoted. Specification numbers will be allocated by BSI in accordance with 6.3 of BS 9000-1:1981.

If a detail specification is re-issued, the issue number and the date of issue of the superseded document shall be given in addition to information relating to the re-issue. All changes shall be clearly marked by an arrow or by a marginal line. When a detail specification is issued by a manufacturer, the manufacturer's part number (or the part designation number) shall also be given in the pertinent box on the front cover of the “F” specification (see BS 9000-1).

2.3 Description of the component and assessment level. A brief description of the switch shall be given and the assessment level (i.e. basic plus additional, full or full plus additional) shall be stated.

2.4 Outline drawing. There shall be an illustration of the switch as an aid to easy recognition and for comparison of the switch with other switches. Code names, and symbols shall, where applicable, be in accordance with the relevant British Standard or IEC publication.

Dimensions affecting interchangeability shall be shown. The detail specification shall also include a detail drawing and dimensions incorporating, where appropriate, board piercing and mounting details and switch circuits shall be shown.

2.5 Ratings (including limiting conditions of use). The following parameters shall be quoted, if applicable. Additional ratings may be included at the manufacturer's discretion but in all cases the values of the ratings with any limiting conditions under which they apply shall be stated. Any interdependence of ratings shall be stated.

- a) Related maximum and minimum current and voltages.
- b) Environmental categories.

The ratings shall be selected whenever possible from the preferred values given in 1.1.12 of BS 9565.

2.6 Characteristics. The characteristics stated in 1.1.12 of BS 9565 shall be listed in the detail specification.

Additional characteristics may be included at the manufacturer's discretion, but in all cases the values of the characteristics and conditions under which they apply shall be stated.

2.7 Related documents. The detail specification shall refer to the governing generic specification and to any other relevant British Standard or IEC publication which is directly called up and not covered by the generic specification.

2.8 Additional information. Additional information such as drawings, notes, application data, etc. may be given. This information is not required to be verified by the inspection procedure.

Where the following items are not fully covered in the generic specification then additional information shall be given in the detail specification.

- a) Terms and definitions.
- b) Letter symbols.
- c) Test procedure.
- d) Outline drawings.