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Specification for

Miniature cartridge fuse links for use on printed wiring boards

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Power Electrical Engineering Standards Committee (PEL/-) to Technical Committee PEL/78, upon which the following bodies were represented:

- Association of Supervisory and Executive Engineers
- ERA Technology Ltd.
- Electrical Installation Equipment Manufacturers Association (BEAMA Ltd.)
- Electrical Power Engineers' Association
- Electricity Supply Industry in England and Wales
- Engineering Equipment and Materials Users Association
- London Regional Transport

The following bodies were also represented in the drafting of the standard, through subcommittees and panels:

- British Telecommunications plc
- Electrical Contractors' Association
- Electronic Components Industry Federation
- Institution of Electrical Engineers
- Ministry of Defence

This British Standard, having been prepared under the direction of the Power Electrical Engineering Standards Committee, was published under the authority of the Board of BSI and comes into effect on 31 August 1988

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Foreword

This British Standard has been prepared under the direction of the Power Electrical Engineering Standards Committee. It covers type tests and requirements for miniature cartridge fuse links for use primarily on printed wiring boards. Other miniature cartridge fuse links are covered in BS 4265 which has, wherever possible, been used as a basis for the present 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, pages 1 to 10, 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.

Section 1. General

0 Introduction

The automated assembly of electrical and electronic circuits on printed wiring boards has led to a requirement for miniature cartridge fuse-links which have the performance level of existing 5 mm × 20 mm types and are of a form suitable for automatic insertion into printed wiring boards. These new types have dimensions comparable with other passive components and may be provided with axial leads for packaging on reels.

Section 1 of this British Standard covers the general requirements and tests applicable to all types of miniature cartridge fuse-links covered by this British Standard. Section 2 consists of a standard sheet giving the requirements applicable to the type of fuse-link.

1 Scope

This British Standard specifies dimensions and performance characteristics for miniature cartridge fuse-links primarily for use on printed wiring boards, for the protection of electric appliances, electronic equipment and component parts thereof, normally intended for use indoors.

It does not apply to fuses for appliances intended to be used under special conditions, such as in corrosive or explosive atmospheres.

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

2 Object

The object of this British Standard is to:

- a) establish uniform requirements for cartridge fuse-links for use on printed wiring boards so as to protect appliances or parts of appliances in the most suitable way;
- b) define the performance of the fuse-links so as to give guidance to the designers of electric appliances and electronic equipment;
- c) define methods of test.

3 Definitions

For the purposes of this British Standard, the definitions given in clause 3 of BS 4265:1977 apply.

4 General requirements

The requirements of clause 4 of BS 4265:1977 shall apply.

5 Standard ratings

The requirements of clause 5 of BS 4265:1977 shall apply.

6 Markings

The requirements of clause 6 of BS 4265:1977 shall apply except that the information given in 6.4 is replaced by the following:

6.4 Colour coding of miniature fuses. Further identification of the current rating and time/current characteristic by means of colour bands may be used.

Such additional marking shall be in accordance with Appendix A of BS 6885.