

Specification for

High voltage fuse-links for motor circuit applications

The European Standard EN 60644:1993 has the status of a
British Standard

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Cooperating organizations

The Power Electrical Engineering Standards Committee, under whose direction this British Standard was prepared, consists of representatives from the following Government department and scientific and industrial organizations:

- Associated Offices Technical Committee
- Association of Short Circuit Testing Authorities*
- British Electrical and Allied Manufacturers' Association (BEAMA)
- British Railways Board
- British Steel Corporation
- Department of Energy (Electricity)
- Electrical Contractors' Association
- Electrical Contractors' Association of Scotland
- Electrical Research Association*
- Electricity Supply Industry in England and Wales*
- Engineering Equipment Users' Association*
- Institute of Purchasing and Supply
- Institution of Electrical Engineers
- Ministry of Defence*
- National Coal Board
- National Economic Development Office

The organizations marked with an asterisk in the above list, together with the following, were directly represented on the committee entrusted with the preparation of this British Standard:

- Association of Consulting Engineers
- Electrical Installation Equipment Manufacturers' Association (BEAMA)

This British Standard, having been prepared under the direction of the Power Electrical Engineering Standards Committee, was published under the authority of the Executive Board and comes into effect on 31 March 1980

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The following BSI references relate to the work on this standard:
Committee reference PEL/78
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Amendments issued since publication

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6687	April 1991	
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National foreword

This British Standard has been prepared under the direction of the Power Electrical Engineering Standards Committee. It is identical with IEC 644 “*Specification for high-voltage fuse-links for motor circuit applications*” published by the International Electrotechnical Commission (IEC).

In 1993 the European Committee for Electrotechnical Standardization (CENELEC) accepted IEC 644:1979 as European Standard designated as EN 60644:1993. As a consequence of implementing the European Standard this British Standard is renumbered as BS EN 60644 and any reference to BS 5907 should be read as a reference to BS EN 60644.

Terminology and conventions. The text of the International Standard has been approved as suitable for publication, without deviation, as a British Standard. Some terminology and certain conventions are not identical with those used in British Standards.

NOTE It is BSI's policy to exclude requirements from scope clauses but, for the purposes of this British Standard, the final sentence of the scope clause should be considered as mandatory.

Cross-references. The technical committee has reviewed the provisions of ISO 282-1, to which references are made in several clauses, and has decided that they are acceptable for use in conjunction with this standard.

The related British Standard for IEC 282-1 is BS 2692-1. It should be noted that subclause **C.3.3.2** in the British Standard relates to subclause **22.3.2** in the International Standard. The other clauses and subclauses are numbered the same in both standards.

Fuses within the scope of this standard are not sensitive to normal electromagnetic disturbances, and therefore no immunity tests are required.

Significant electromagnetic disturbance generated by a fuse is limited to the instant of its operation. Provided that the maximum arc voltages during operation in the type test comply with the requirements of the clause in this standard specifying maximum arc voltage, the requirements for electromagnetic compatibility are deemed to be satisfied.

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, pages 2 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.

Descriptors: High-voltage fuse-links, motor protection and control, standardized time-current characteristics

English version

Specification for high-voltage fuse-links for motor circuit applications

(IEC 644:1979)

Spécification relative aux éléments de remplacement à haute tension destinés à des circuits comprenant des moteurs
(CEI 644:1979)

Anforderungen an Hochspannungs-Sicherungseinsätze für Motorstromkreise
(IEC 644:1979)

This European Standard was approved by CENELEC on 1992-12-09. CENELEC members are bound to comply with the 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 Central Secretariat 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 Central 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.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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