

Specification for

Electrically-driven — Point-operating machines for railways

Co-operating organizations

The Electrical Industry Standards Committee,¹⁾ under whose supervision this British Standard was prepared, consists of representatives from the following Government departments and scientific and industrial organizations:—

- Admiralty
- Air Ministry
- Association of Consulting Engineers (Incorporated)
- Association of Supervising Electrical Engineers
- British Electrical and Allied Industries Research Association
- British Electrical and Allied Manufacturers' Association*
- British Electrical Development Association
- British Electricity Authority and Area Boards
- British Railways — Railway Executive*
- Cable Makers' Association
- Electric Lamp Manufacturers' Association
- Electric Light Fittings Association
- Electrical Contractors Association (Incorporated)
- Electrical Contractors Association of Scotland
- Engineering Equipment Users Association
- General Post Office
- Institution of Electrical Engineers*
- Ministry of Fuel and Power
- Ministry of Labour and National Service (Factory Department)
- Ministry of Supply
- Ministry of Works
- National Physical Laboratory
- North of Scotland Hydro-Electric Board
- Public Transport Association (Incorporated)
- Radio Industry Council

The Government department and scientific and industrial 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:—

- Crown Agents for the Colonies
- Federation of British Industries
- Institution of Railway Signal Engineers
- London Transport Executive
- Ministry of Transport
- Office of the High Commissioner for New Zealand
- Individual manufacturers of Railway Signalling Apparatus

¹⁾ The Electrical Industry Standards Committee is the British National Committee of the International Electrotechnical Commission.

This British Standard, having been approved by the Electrical Industry Standards Committee and endorsed by the Chairman of the Engineering Divisional Council, was published under the authority of the General Council on 13 December 1950

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Foreword

This standard requires reference to the following British Standards:—

BS 170, *Electrical performance of fractional horse-power electric motors and generators, with class A insulation.*

BS 442, *Terminals for electrical apparatus for railway signalling purposes.*

This British Standard is a revision of BS 581, published in 1934. The following are the main amendments:—

- a) Hand-generator machines are recognized as a standard type.
- b) The low-speed, low-voltage machine is no longer recognized as standard.
- c) The standard has been enlarged to cover different performance requirements for identical machines required for use with both bull-head and flat-bottom switches; for the latter condition the voltage rating for low voltage machines is increased from 30 to 40 volts.
- d) An insulation resistance test is now specified as a routine test.

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 6, 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.