

Electrical relays —

Part 5: Specification for test equipment used in endurance tests for electrical relay contacts

UDC 621.318.5:620.169.1.05

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Committees responsible for this British Standard

This British Standard was published under the direction of the General Electrotechnical Engineering Standards Committee GEL/-. Its preparation was entrusted to Technical Committee GEL/5 upon which the following bodies were represented:

- BEAMA Transmission and Distribution Association
- British Telecommunications
- Electricity Supply Industry in England and Wales
- Electronic Components Industry Federation
- Institution of Electrical Engineers
- Ministry of Defence
- Telecommunications Engineering and Manufacturing Association (TEMA)

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

- Association of Consulting Engineers
- Association of Manufacturers Allied to the Electrical and Electronic Industry (BEAMA)
- Association of Control Manufacturers TACMA (BEAMA)
- Cinematograph Exhibitors' Association of Great Britain and Ireland
- Control and Automation Manufacturers' Association (BEAMA)
- Electronic Engineering Association
- ERA Technology Ltd
- Greater London Council
- National Supervising Inspectorate
- Society of British Aerospace Companies Limited
- South of Scotland Electricity Board

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 29 April 1983

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The following BSI references relate to the work on this standard:
Committee reference GEL/5
Draft for comment 78/27227 DC

ISBN 0 580 11944 0

Amendments issued since publication

Amd. No.	Date of issue	Comments

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National foreword

This Part of this British Standard, which has been prepared under the direction of the General Electrotechnical Engineering Standards Committee, is identical with IEC Publication 255-15 “*Electrical relays, Part 15 Endurance tests for electrical relay contacts — Specification for the characteristics of test equipment*”, published in 1981 by the International Electrotechnical Commission (IEC).

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*”. All other Parts of IEC Publication 255 which are implemented as British Standards form, or will form, Parts of this British Standard¹⁾.

Classification of relay standards. 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 first level document.

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

Cross-references

International Standard	Corresponding British Standard
IEC 255-0-20:1974 (first level document)	BS 5992 <i>Electrical relays</i> Part 1:1980 <i>Specification for contact performance of electrical relays</i> (Identical)
IEC 255-1-00:1975 (second level document)	BS 5992 <i>Electrical relays</i> Part 2:1980 <i>Specification for all-or-nothing electrical relays</i> (Identical)
IEC 255-14:1981 (first level document)	BS 5992 <i>Electrical relays</i> Part 4:1983 <i>Specification for contact loads of preferred values used in endurance tests for electrical relay contacts</i> (Identical)

The relevant related British Standard for the International Electrotechnical Vocabulary Chapter 446 is BS 4727 “*Glossary of electrotechnical, power, telecommunication, electronics, lighting and colour terms, Part 1: Group 03 Relay terminology*”.

¹⁾ Parts of IEC 255 that form part of the IEC Q Quality Assurance System will also carry a QC series number. The method of numbering British Standards identical to IEC Q Standards is under consideration.