

Electrical relays —

Part 25: Electromagnetic emission tests for measuring relays and protection equipment

The European Standard EN 60255-25:2000 has the status of a
British Standard

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National foreword

This British Standard is the official English language version of EN 60255-25:2000. It is identical with IEC 60255-25:2000.

The UK participation in its preparation was entrusted to Technical Committee PEL/95, Measuring relays and protection systems, which has the responsibility to:

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- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
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Cross-references

Attention is drawn to the fact that CEN and CENELEC Standards normally include an annex which lists normative references to international publications with their corresponding European publications. The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 14, an inside back cover and a back cover.

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(CEI 60255-25:2000)

Elektrische Relais
Teil 25: Prüfungen der
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(IEC 60255-25:2000)

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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.

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CENELEC

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Foreword

The text of document 95/87/FDIS, future edition 1 of IEC 60255-25, prepared by IEC TC 95, Measuring relays and protection equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60255-25 on 2000-06-01.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2001-03-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2003-06-01

Annexes designated "normative" are part of the body of the standard.

Annexes designated "informative" are given for information only.

In this standard, annex ZA is normative and annexes A and B are informative.

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60255-25:2000 was approved by CENELEC as a European Standard without any modification.

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ELECTRICAL RELAYS –

Part 25: Electromagnetic emission tests for measuring relays and protection equipment

1 Scope and object

This part of IEC 60255 specifies the general requirements for the measurement of radio-frequency emissions emanating from measuring relays and protection equipment for power system protection, including the control, monitoring and process interface equipment used with such systems. It is based on CISPR 22 (see annex A).

The limits of acceptable conducted and radiated emissions are specified and test procedures described.

The object of the tests is to confirm that the equipment being tested will not cause conducted or radiated emissions above specified levels which might affect the satisfactory operation of other equipment.

Any equipment or part of equipment which has the primary function of radio transmission and/or reception is excluded from this standard.

The requirements specified in this document are applicable to measuring relays and protection equipment in a new condition, and all tests specified are type tests only.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of IEC 60255. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of IEC 60255 are encouraged to investigate the possibility of applying the most recent editions of the normative documents listed below. For undated references, the latest edition of the normative document referred to applies. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 60050(161):1990, *International Electrotechnical Vocabulary (IEV) – Chapter 161: Electromagnetic compatibility*

IEC 60050(446):1983, *International Electrotechnical Vocabulary (IEV) – Chapter 446: Electrical relays*

IEC 60050(448):1995, *International Electrotechnical Vocabulary (IEV) – Chapter 448: Power system protection*

IEC 60255-6:1988, *Electrical relays – Part 6: Measuring relays and protection equipment*

CISPR 16-1:1993, *Specification for radio disturbance and immunity measuring apparatus and methods – Part 1: Radio disturbance and immunity measuring apparatus*

CISPR 22:1997, *Information technology equipment – Radio disturbance characteristics – Limits and methods of measurement*