

Electrical relays —

Part 26: Electromagnetic compatibility requirements for measuring relays and protection equipment

The European Standard EN 60255-26:2005 has the status of a British Standard

ICS 29.120.70

National foreword

This British Standard is the official English language version of EN 60255-26:2005. It is identical with IEC 60255-26:2004. It supersedes BS EN 50263:2000 which is withdrawn.

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

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its 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, the EN title page, pages 2 to 15 and a back cover.

The BSI copyright notice displayed in this document indicates when the document was last issued.

Amendments issued since publication

Amd. No.	Date	Comments

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 17 February 2005

© BSI 17 February 2005

ISBN 0 580 45471 1

Electrical relays
Part 26 : Electromagnetic compatibility requirements
for measuring relays and protection equipment
(IEC 60255-26:2004)

Relais électriques
Partie 26: Exigences de compatibilité
électromagnétique pour les relais de
mesure et dispositifs de protection
(CEI 60255-26:2004)

Elektrische Relais
Teil 26: Anforderungen an die
elektromagnetische Verträglichkeit
für Messrelais und Schutzeinrichtungen
(IEC 60255-26:2004)

This European Standard was approved by CENELEC on 2004-11-01. 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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 95/162/FDIS, future edition 1 of IEC 60255-26, 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 60255-26 on 2004-11-01.

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) | 2005-08-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn | (dow) | 2007-11-01 |

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60255-26:2004 was approved by CENELEC as a European Standard without any modification.

CONTENTS

INTRODUCTION.....	4
1 Scope and object.....	5
1.1 Emission	5
1.2 Immunity	5
2 Normative references	6
3 Definitions	7
4 Test requirements and procedures	8
4.1 Emission tests	8
4.2 Immunity tests	8
5 Criteria for acceptance	8
5.1 Emission tests	8
5.2 Immunity tests	8
6 Test report.....	8
Annex ZA (normative) Normative references to international publications with their corresponding European publications	14
Figure 1 – Ports for measuring relays and protection equipment	7
Table 1 – Emission tests – Enclosure port	9
Table 2 – Emission tests – Auxiliary power supply port	9
Table 3 – Immunity tests – Enclosure port	9
Table 4 – Immunity tests – Auxiliary power supply port	10
Table 5 – Immunity tests – Communication port	11
Table 6 – Immunity tests – Input and output ports	12
Table 7 – Immunity tests – Functional earth port	13

INTRODUCTION

This part of IEC 60255 specifies all of the requirements for electromagnetic compatibility in a single document. As such, it is considered as an overview document for measuring relays and protection equipment. The detailed test procedures are given in other referenced standards.