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Alarm systems - Intrusion systems Part 2-6: Requirements for opening contacts (magnetic)

Systèmes d'alarme -Systèmes de détection d'intrusion Partie 2-6: Exigences pour contacts magnétiques Alarmanlagen -Einbruchmeldeanlagen Teil 2-6: Anforderungen an Öffnungsmelder (Magnetkontakte)

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

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Foreword

This Technical Specification was prepared by the Technical Committee CENELEC TC 79, Alarm systems.

The text of the draft was submitted to the vote at the meeting of TC 79 in Madrid and was approved by CENELEC as CLC/TS 50131-2-6 on 2004-05-04. Standstill is maintained.

The following date was fixed:

- latest date by which the existence of the TS (doa) 2004-11-04 A suc and a set of the has to be announced at national level
- NOTE Latest date by which the TS has to be voted as EN: 2 years maximum after dav of TS.

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Introduction

This Technical Specification is a specification for opening contacts (magnetic) used as part of intrusion detection systems installed in buildings. It provides for four security grades and the first three environmental classes.

The purpose of an opening contact (magnetic) is to detect a displacement of a door or window from a closed position. A signal or message is generated when the detector registers a displacement of the door or window from the closed position. The detector shall provide the necessary range of signals or messages to be used by the rest of the intrusion detection system.

This specification is only concerned with the requirements and tests for opening contacts (magnetic). Other types of detector are covered by other documents identified as CLC/TS 50131-2-x.

1 Scope

This Technical Specification provides for security grades 1 to 4 (see EN 50131-1) specific or non-specific wired or wire-free opening contacts (magnetic), and is covered by environmental classes I to III (see EN 50130-5).

A function designated in the specification as not required for a particular grade may be provided by the manufacturer. If provided, it will be tested, and shall meet all relevant requirements of any higher grade. If it passes, the manufacturer may claim it as an extra feature, which does not alter the overall grading.

The opening contact (magnetic) shall be referred to in the body of this specification as the detector.

This specification does not apply to system interconnections.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 50130-4:1995	Alarm systems - Part 4: Electromagnetic compatibility - Product family standard: Immunity requirements for components of fire, intruder and socialalarm systems
EN 50130-5:1998	Alarm systems - Part 5: Environmental test methods
EN 50131-1:1997	Alarm Systems – Intrusion systems - Part 1: General requirements
EN 50131-6:1997	Alarm systems - Intrusion systems - Part 6: Power supplies
EN 60529:1991	Degree of protection provided by enclosures (IP code)

3 Definitions and abbreviations

For the purpose of this specification. the following definitions and abbreviations apply in addition to those given in EN 50131-1:

3.1

alert/set mode

state of operation in which a detector is ready to generate an intrusion signal or message

3.2

approach distance/make distance

the separation distance between the two components of a detector, which are being brought together, at which an intruder signal or message is reset