

LIFTIDE KONSTRUKTSIOONI JA PAIGALDUSE
OHUTUSEESKIRJAD. INIMESTE JA KAUPADE
TRANSPORDIKS MÕELDUD LIFTID. OSA 28: SÕIDU- JA
KAUBALIFTIDE KAUGHÄIRESÜSTEEM

Safety rules for the construction and installation of lifts
- Lifts for the transport of persons and goods - Part 28:
Remote alarm on passenger and goods passenger lifts

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 81-28:2022 sisaldab Euroopa standardi EN 81-28:2022 ingliskeelset teksti.	This Estonian standard EVS-EN 81-28:2022 consists of the English text of the European standard EN 81-28:2022.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 08.06.2022.	Date of Availability of the European standard is 08.06.2022.
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ICS 13.320, 91.140.90

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English Version

**Safety rules for the construction and installation of lifts -
Lifts for the transport of persons and goods - Part 28:
Remote alarm on passenger and goods passenger lifts**

Règles de sécurité pour la construction et l'installation
des élévateurs - Élévateur pour le transport de
personnes et d'objets - Partie 28 : Téléalarme pour
ascenseurs et ascenseurs de charge

Sicherheitsregeln für die Konstruktion und den Einbau
von Aufzügen - Aufzüge für den Personen- und
Gütertransport - Teil 28: Fern-Notruf für Personen-
und Lastenaufzüge

This European Standard was approved by CEN on 20 April 2022.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN 81-28:2022) has been prepared by Technical Committee CEN/TC 10 “Lifts, escalators and moving walks”, the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 2022, and conflicting national standards shall be withdrawn at the latest by June 2024.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 81-28:2018+AC:2019.

In comparison with EN 81-28:2018+AC:2019, the following significant changes have been made:

- normative references have been updated;
- Annex ZA has been modified.

No technical changes have been made in Clause 4 during this revision.

This document is intended to be used in conjunction with the EN 81-20:2020, which gives the basic requirements for passenger and goods passenger lifts.

This document is part of the EN 81 series of standards. The structure of the EN 81 series is described in CEN/TR 81-10:2008.

This document has been prepared under a Standardization Request given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s) / Regulation(s).

For relationship with EU Directive(s) / Regulation(s), see informative Annex ZA, which is an integral part of this document.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Introduction

This document is a type-C standard as stated in EN ISO 12100.

This document is of relevance, in particular, for the following stakeholder groups representing the market players with regard to machinery safety:

- machine manufacturers (small, medium and large enterprises);
- health and safety bodies (regulators, accident prevention organizations, market surveillance etc.).

Others can be affected by the level of machinery safety achieved with the means of the document by the above-mentioned stakeholder groups:

- machine users/employers (small, medium and large enterprises);
- machine users/employees (e.g. trade unions, organizations for people with special needs);
- service providers, e.g. for maintenance (small, medium and large enterprises);
- consumers (in case of machinery intended for use by consumers).

The above-mentioned stakeholder groups have been given the possibility to participate in the drafting process of this document.

The machinery concerned and the extent to which hazards, hazardous situations or hazardous events are covered are indicated in the Scope of this document.

When requirements of this type-C standard are different from those which are stated in type-A or type-B standards, the requirements of this type-C standard take precedence over the requirements of the other standards for machines that have been designed and built according to the requirements of this type-C standard.

1 Scope

This document specifies the technical requirements for the alarm systems for passenger and goods passenger lifts, as described in the EN 81 series.

This includes:

- activation of the alarm,
- transmission of the alarm,
- information for use and maintenance,
- site testing to verify the requirements of this document have been met before the lift is used.

Excluded are:

- the failure of the communication network (see Annex A), including mobile network signal strength or similar;
- the failure of the network power supply such that all the lifts in a geographical area create entrapment simultaneously.

This document deals with the following significant hazards, hazardous situations or hazardous events relevant to lift, when it is used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer:

- risk of entrapment of users in the car and in the well.

This document is not applicable to alarm systems for lifts installed before the date of its publication.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 81-20:2020, *Safety rules for the construction and installation of lifts — Lifts for the transport of persons and goods — Part 20: Passenger and goods passenger lifts*

EN ISO 12100:2010, *Safety of machinery — General principles for design — Risk assessment and risk reduction (ISO 12100:2010)*

ISO 4190-5:2006, *Lift (Elevator) installation — Part 5: Control devices, signals and additional fittings*