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| <b>STN</b> | <b>Elektrické spotrebiče pre domácnosť a na podobné účely. Bezpečnosť. Časť 2-95: Osobitné požiadavky na pohony vertikálne sa pohybujúcich garážových brán používaných v obytných oblastiach.</b> | <b>STN<br/>EN 60335-2-95</b><br><br>36 1055 |
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Household and similar electrical appliances - Safety - Part 2-95: Particular requirements for drives for vertically moving garage doors for residential use

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 06/15

Obsahuje: EN 60335-2-95:2015, IEC 60335-2-95:2011

Oznámením tejto normy sa od 29.09.2017 ruší  
STN EN 60335-2-95 (36 1055) z októbra 2005

**120884**

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Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, odbor SÚTN, 2015  
Podľa zákona č. 264/1999 Z. z. v znení neskorších predpisov sa môžu slovenské technické normy rozmnožovať a rozširovať iba so súhlasom Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.

EUROPEAN STANDARD

**EN 60335-2-95**

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2015

ICS 13.120; 29.120.01; 91.090

Supersedes EN 60335-2-95:2004

English Version

**Household and similar electrical appliances - Safety - Part 2-95:  
Particular requirements for drives for vertically moving garage  
doors for residential use  
(IEC 60335-2-95:2011 , modified)**

Appareils électrodomestiques et analogues - Sécurité -  
Partie 2-95: Règles particulières pour les motorisations de  
portes de garage à ouverture verticale, pour usage  
résidentiel  
(CEI 60335-2-95:2011 , modifiée)

Sicherheit elektrischer Geräte für den Hausgebrauch und  
ähnliche Zwecke - Teil 2-95: Besondere Anforderungen für  
Antriebe von Garagentoren mit Senkrechtbewegung zur  
Verwendung im Wohnbereich  
(IEC 60335-2-95:2011 , modifiziert)

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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 CEN-CENELEC Management Centre has the same status as the official versions.

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

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

## Foreword

The text of document 61/4103/CDV, future edition 3 of IEC 60335-2-95, prepared by IEC/TC 61 "Safety of household and similar electrical appliances" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60335-2-95:2015.

A draft amendment, which covers common modifications to IEC 60335-2-95, was prepared by CLC/TC 61, "Safety of household and similar electrical appliances" and approved by CENELEC.

The following dates are fixed:

- latest date by which this document has (dop) 2015-09-29  
to be implemented at national level  
by publication of an identical  
national standard or by endorsement
- latest date by which the national (dow) 2017-09-29  
standards conflicting with this document  
have to be withdrawn

This document is to be used in conjunction with EN 60335-1:2012 including its amendments.

When this standard states "addition", "modification" or "replacement" it is to be understood as addition or modification or replacement to the published IEC Part 2, unless the introductory sentence mentions Part 1.

NOTE The following numbering system is used:

- subclauses, tables and figures that are numbered starting from 101 are additional to those in Part 1;
- unless notes are in a new subclause or involve notes in Part 1, they are numbered starting from 101, including those in are placed clause or subclause;
- additional annexes are lettered AA, BB, etc.;

Clauses, subclauses, notes, tables, figures and annexes that are additional to those in the IEC standard are prefixed with the letter Z.

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

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

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

## Endorsement notice

The text of the International Standard IEC 60335-2-95:2011 was approved by CENELEC as a European Standard with agreed common modifications.

## COMMON MODIFICATIONS

## Introduction

*Add:*

This European Standard has been prepared to provide a means of conforming to essential safety requirements of the Machinery Directive 2006/42/EC. Other requirements and other EU Directives may be applicable to the drives falling within the scope of this standard.

The relevant requirements of Annex ZE of Part 1 have been incorporated in the text of this part 2.

Therefore, compliance with the requirements of EN 60335-1 and of this Part 2 gives presumption of conformity of the product with the Essential Health and Safety Requirements (EHSR) of Directive 2006/42/EC as stated in Annex ZZ.

Drives put on the market as machines may be installed by the final user. The requirements of this standard also cover the foreseeable misuse of the power operated garage door.

Drives put on the market as partly completed machines should not be installed by the final user. In case of partly completed machines, reference should be made to the specific procedures of the Machinery Directive 2006/42/EC; this standard can, anyhow, be used as guidance.

## 1 Scope

### *Replacement:*

This clause of part 1 is replaced by the following.

This European Standard deals with the safety of electric **drives** for garage doors for residential use that open and close in a vertical direction, the **rated voltage** of the **drives** being not more than 250 V for single-phase appliances and 480 V for other appliances. It also covers the hazards associated with the movement of these electrically driven garage doors.

NOTE Z101 Examples of garage doors are shown in Figure 101.

NOTE Z102 The **drive** may be supplied with a garage door.

NOTE Z103 This standard also applies to **entrapment protection devices** for use with **drives**.

NOTE Z104 Within the standard the terms **drive** and appliance are interchangeable.

This standard deals with the reasonably foreseeable hazards presented by drives that are encountered by all persons in and around the installation place. However, in general, it does not take into account:

- **children** playing with the appliance;
- the use of the appliance by **very young children**;
- the use of the appliance by **young children** without supervision.

It is recognized that **very vulnerable people** may have needs beyond the level addressed in this standard.

NOTE Z105 Attention is drawn to the fact that in many countries additional requirements are specified by the national authorities responsible for the protection of labour and similar authorities.

This standard also covers **automatic drives**.

NOTE Z106 This standard does not apply to **drives**

- for rolling shutters, awnings, blinds and similar equipment (EN 60335-2-97);
- for garage doors for use by more than one household (EN 60335-2-103);
- for commercial and industrial purposes;
- intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas).

This European Standard does not deal with any specific requirements on noise emitted from these drives as the generated noise is not considered to be a relevant hazard. Thus the emission sound pressure level  $L_{pA}$  is considered to be  $L_{pA} \leq 70$  dB(A).

## 2 Normative references

### *Add the following reference:*

EN 12978, *Industrial, commercial and garage doors and gates - Safety devices for power operated doors and gates - Requirements and test methods*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**