

# INTERNATIONAL STANDARD

## AMENDMENT 1

**Household and similar electrical appliances – Safety –**  
**Part 2-103: Particular requirements for drives for gates, doors and windows**

IEC 60335-2-103:2015/AMD1:2017

<https://standards.iteh.ai/catalog/standards/sist/a0450a76-4fa9-471b-b9a0-4ac11bfdc790/iec-60335-2-103-2015-amd1-2017>



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**Warning! Make sure that you obtained this publication from an authorized distributor.**

## FOREWORD

This amendment has been prepared by IEC technical committee 61: Safety of household and similar electrical appliances.

The text of this amendment is based on the following documents:

CDV	Report on voting
61/5296/CDV	61/5382A/RVC

Full information on the voting for the approval of this amendment can be found in the report on voting indicated in the above table.

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

NOTE The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations may need a transitional period following publication of a new, amended or revised IEC publication in which to make products in accordance with the new requirements and to equip themselves for conducting new or revised tests.

It is the recommendation of the committee that the content of this publication be adopted for implementation nationally not earlier than 12 months or later than 36 months from the date of publication.

## 1 Scope

*In the second paragraph, replace "480" by "600".*

## 13 Leakage current and electric strength at operating temperature

*Replace the existing text by the following.*

This clause of Part 1 is applicable except as follows.

### 13.3 Addition:

*In Table 4, add the following to table footnote a:*

*The test voltage for 600 V multi-phase appliances is that specified for a **working voltage** > 250 V, where U is taken as the **rated voltage**.*

## 16 Leakage current and electric strength

*Replace the existing text by the following:*

This clause of Part 1 is applicable except as follows.

**16.3** In Table 7, add the following to table footnote a:

*The test voltage for 600 V multi-phase appliances is that specified for a **working voltage** > 250 V, where U is taken as the **rated voltage**.*

## 29 Clearances, creepage distances and solid insulation

*Replace the existing text by the following:*

This clause of Part 1 is applicable except as follows.

**29.1** Addition:

For a **rated voltage** > 300 V and ≤ 346 V, the rated impulse voltage is for

- overvoltage category I: 2 500 V;
- overvoltage category II: 4 000 V;
- overvoltage category III: 6 000 V.

**29.3.4** Addition:

For a **rated voltage** > 300 V and ≤ 346 V, the minimum thickness for accessible parts of **reinforced insulation** consisting of a single layer is for

- overvoltage category I: 0,6 mm;
- overvoltage category II: 1,2 mm;
- overvoltage category III: 2,0 mm.

## Annex DD – Drives for horizontally and vertically moving doors and gates

### 20 Stability and mechanical hazards

**DD.20.107.2** Replace the second dashed item of the second paragraph of the test specification by the following:

- if the **drive** is an **automatic drive**, or a **drive** that operates the **driven part** in at least one direction by a command that can be initiated via a connection to a telecommunication or communication network, the test of DD.20.107.2.3 is applied.

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