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IEC 60335-1 ed5.0 (2010) Introduction

IEC 60335-1:2010 deals with the safety of electrical appliances for household and similar purposes, their rated voltage being not more than 250V for single-phase appliances and 480V for other appliances. Battery-operated appliances and other d.c. supplied appliances are within the scope of this standard.

The principal changes in this edition as compared with the fourth edition (IEC 60335-1:2001) are as follows:

- updated the text of the standard to align with the most recent editions of the dated normative references
- modified the functional safety requirements using programmable electronic circuits including software validation requirements
- updated Clause 29 to cover insulation requirements subjected to high frequency voltages as in switch mode power supply circuits
- updated Sub-clause 30.2 to further align the pre-selection option with the end-product test option
- deleted some notes and converted many other notes to normative text
- clarified requirements for class III constructions

IEC 60335-1, 是涉及单相电压不超过 250V, 多相电压不超过 480V 家用或类似用途电器安全标准。与第 4 版即 IEC 60335-1: 2001 相比, 第 5 版有以下更改:

- 更新了标准的正文, 协调了关于引用标准的最新版本号
- 修改了关于保护电子线路的安全要求以及软件评估的内容
- 更新了第 29 章关于开关电源中高频电压的绝缘要求
- 更新了第 30.2 章内容, 进一步协调了终端测试样品的选取
- 删除或者替换了一些标准叙述条文
- 澄清了关于 3 类结构的要求

Contact us at: info@tuv-sud.cn

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|-------------|-------------------------|------------|-------------------------|-------------|------------------------|
| ▪ Shanghai | Tel.: +86 21 6141 0123 | ▪ Shenzhen | Tel.: +86 755 8828 6998 | ▪ Xiamen | Tel.: +86 592 3116 068 |
| ▪ Beijing | Tel.: +86 10 6590 6186 | ▪ Ningbo | Tel.: +86 574 2786 6658 | ▪ Chongqing | Tel.: +86 23 8980 9513 |
| ▪ Wuxi | Tel.: +86 510 8820 3737 | ▪ Tianjin | Tel.: +86 22 8319 2258 | ▪ Hong Kong | Tel.: +852 2776 1323 |
| ▪ Guangzhou | Tel.: +86 20 3832 0668 | ▪ Qingdao | Tel.: +86 532 8503 0106 | ▪ Taiwan | Tel.: +886 2 2898 6818 |

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