

# INTERNATIONAL STANDARD

## AMENDMENT 1

Household and similar electrical appliances – Safety –  
Part 2-50: Particular requirements for commercial electric bains-marie  
(standards.iteh.ai)

[IEC 60335-2-50:2002/AMD1:2007](https://standards.iteh.ai/catalog/standards/sist/e0ee4af-e627-4260-a115-07356b742993/iec-60335-2-50-2002-amd1-2007)

<https://standards.iteh.ai/catalog/standards/sist/e0ee4af-e627-4260-a115-07356b742993/iec-60335-2-50-2002-amd1-2007>



## THIS PUBLICATION IS COPYRIGHT PROTECTED

Copyright © 2007 IEC, Geneva, Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either IEC or IEC's member National Committee in the country of the requester.

If you have any questions about IEC copyright or have an enquiry about obtaining additional rights to this publication, please contact the address below or your local IEC member National Committee for further information.

IEC Central Office  
3, rue de Varembe  
CH-1211 Geneva 20  
Switzerland  
Email: [inmail@iec.ch](mailto:inmail@iec.ch)  
Web: [www.iec.ch](http://www.iec.ch)

### About the IEC

The International Electrotechnical Commission (IEC) is the leading global organization that prepares and publishes International Standards for all electrical, electronic and related technologies.

### About IEC publications

The technical content of IEC publications is kept under constant review by the IEC. Please make sure that you have the latest edition, a corrigenda or an amendment might have been published.

- Catalogue of IEC publications: [www.iec.ch/searchpub](http://www.iec.ch/searchpub)

The IEC on-line Catalogue enables you to search by a variety of criteria (reference number, text, technical committee,...). It also gives information on projects, withdrawn and replaced publications.

- IEC Just Published: [www.iec.ch/online\\_news/justpub](http://www.iec.ch/online_news/justpub)

Stay up to date on all new IEC publications. Just Published details twice a month all new publications released. Available on-line and also by email.

- Electropedia: [www.electropedia.org](http://www.electropedia.org)

The world's leading online dictionary of electronic and electrical terms containing more than 20 000 terms and definitions in English and French, with equivalent terms in additional languages. Also known as the International Electrotechnical Vocabulary online.

- Customer Service Centre: [www.iec.ch/webstore/custserv](http://www.iec.ch/webstore/custserv)

If you wish to give us your feedback on this publication or need further assistance, please visit the Customer Service Centre FAQ or contact us:

Email: [csc@iec.ch](mailto:csc@iec.ch)  
Tel.: +41 22 919 02 11  
Fax: +41 22 919 03 00



IEC 60335-2-50

Edition 4.0 2007-12

# INTERNATIONAL STANDARD

AMENDMENT 1

Household and similar electrical appliances – Safety –  
Part 2-50: Particular requirements for commercial electric bains-marie

[IEC 60335-2-50:2002/AMD1:2007  
https://standards.iteh.ai/catalog/standards/sist/e0ee4af-e627-4260-a115-07356b742993/iec-60335-2-50-2002-amd1-2007](https://standards.iteh.ai/catalog/standards/sist/e0ee4af-e627-4260-a115-07356b742993/iec-60335-2-50-2002-amd1-2007)

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

PRICE CODE

C

ICS 97.040.20

ISBN 2-8318-9515-4

## FOREWORD

This amendment has been prepared by subcommittee 61E: Safety of electrical commercial catering equipment, of IEC technical committee 61: Safety of household and similar electrical appliances.

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

FDIS	Report on voting
61E/588/FDIS	61E/593/RVD

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 maintenance result date indicated on the IEC web site 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.

**iTeh STANDARD PREVIEW**  
([standards.iteh.ai](http://standards.iteh.ai))

[IEC 60335-2-50:2002/AMD1:2007](https://standards.iteh.ai/catalog/standards/sist/e0ee4af-e627-4260-a115-07356b742993/iec-60335-2-50-2002-amd1-2007)

<https://standards.iteh.ai/catalog/standards/sist/e0ee4af-e627-4260-a115-07356b742993/iec-60335-2-50-2002-amd1-2007>

## 6 Classification

*Add the following:*

### 6.2 Addition:

Appliances normally used on a table shall be at least IPX3. Other appliances shall be at least IPX4.

## 22 Construction

**22.101** *Replace the text by the following:*

**22.101** For 3-phase appliances, **thermal cut-out** protecting circuits with heating elements, and those for motors of which the unexpected starting may cause a hazard, shall be of the non-self-resetting, trip-free type and shall provide **all-pole disconnection** from related supply circuits.

For single-phase appliances and for single-phase heating elements and/or motors connected between one phase and neutral or between phase and phase, thermal cut-out protecting circuits with heating elements, and those for motors of which the unexpected starting may cause a hazard, shall be of the non-self-resetting trip-free type and shall provide at least one-pole disconnection.

If the **non-self-resetting thermal cut-out** is only accessible after removing parts with the aid of a **tool**, the trip-free type is not required.

NOTE 1 **Thermal cut-outs** of the trip-free type have an automatic action, with a reset actuating member, so constructed that the automatic action is independent of manipulation or position of the reset mechanism.

**Thermal cut-outs** of the bulb and capillary type that operate during the tests of Clause 19 shall be such that rupture of the capillary tube shall not impair compliance with the requirements of 19.13.

*Compliance is checked by inspection and by manual test, and by rupturing the capillary tube.*

NOTE 2 Care must be taken to ensure that the rupture does not seal the capillary tube.

**22.103** *Replace the text of the last paragraph of the test specification with the following text:*

The appliance, fully loaded in accordance with the manufacturer's instructions, is placed on a rigid plane coated with aluminium oxide paper (grain size 80) and inclined at 10° to the horizontal, with the locking mechanism applied. The appliance shall not move by more than 100 mm.

---

## iTeh STANDARD PREVIEW (standards.iteh.ai)

[IEC 60335-2-50:2002/AMD1:2007](https://standards.iteh.ai/catalog/standards/sist/e0ee4af-e627-4260-a115-07356b742993/iec-60335-2-50-2002-amd1-2007)

<https://standards.iteh.ai/catalog/standards/sist/e0ee4af-e627-4260-a115-07356b742993/iec-60335-2-50-2002-amd1-2007>

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[IEC 60335-2-50:2002/AMD1:2007](https://standards.iteh.ai/catalog/standards/sist/e0ee4af-e627-4260-a115-07356b742993/iec-60335-2-50-2002-amd1-2007)

<https://standards.iteh.ai/catalog/standards/sist/e0ee4af-e627-4260-a115-07356b742993/iec-60335-2-50-2002-amd1-2007>

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[IEC 60335-2-50:2002/AMD1:2007](https://standards.iteh.ai/catalog/standards/sist/e0ee4af-e627-4260-a115-07356b742993/iec-60335-2-50-2002-amd1-2007)

<https://standards.iteh.ai/catalog/standards/sist/e0ee4af-e627-4260-a115-07356b742993/iec-60335-2-50-2002-amd1-2007>

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

ITU STANDARD PREVIEW  
(standards.iteh.ai)

3, rue de Varembé

P.O. Box 131

CH-1211 Geneva 20

Switzerland

[IEC 60335-2-50:2002/AMD1:2007](https://standards.iteh.ai/catalog/standards/sist/e0ee4af-e627-4260-a115-07356b742993/iec-60335-2-50-2002-amd1-2007)

<https://standards.iteh.ai/catalog/standards/sist/e0ee4af-e627-4260-a115-07356b742993/iec-60335-2-50-2002-amd1-2007>

Tel: + 41 22 919 02 11

Fax: + 41 22 919 03 00

[info@iec.ch](mailto:info@iec.ch)

[www.iec.ch](http://www.iec.ch)