



National Differences For

UL 60335-2-8

Household and Similar Electrical Appliances – Safety – Part 2-8: Particular Requirements for Shavers, Hair Clippers and Similar Appliances

**UL COPYRIGHTED MATERIAL –
NOT AUTHORIZED FOR FURTHER REPRODUCTION OR
DISTRIBUTION WITHOUT PERMISSION FROM UL**



Documents

Document Sharing Hub

National Differences For

UL 60335-2-8

Household and Similar Electrical Appliances – Safety – Part 2-8: Particular Requirements for Shavers, Hair Clippers and Similar Appliances

Sixth Edition

Edition Date: JUNE 25, 2018

This revision of ANSI/UL 60335-2-8 includes the following change in requirements:

Nonpolarized attachment plugs for Class II shavers

Please note that the national difference document incorporates all of the U.S. national differences for UL 60335-2-8.

This document provides a single listing of the National Differences included in the UL adoption of the corresponding IEC standard.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form by any means, electronic, mechanical photocopying, recording, or otherwise without prior permission of UL.

UL provides this standards document "as is" without warranty of any kind, either expressed or implied, including but not limited to, the implied warranties of merchantability or fitness for any purpose.

In no event will UL be liable for any special, incidental, consequential, indirect or similar damages, including loss of profits, lost savings, loss of data, or any other damages arising out of the use of or the inability to use this standards document, even if UL or an authorized UL representative has been advised of the possibility of such damage. In no event shall UL's liability for any damage ever exceed the price paid for this standards document, regardless of the form of the claim.

Users of the electronic versions of UL's Standards for Safety agree to defend, indemnify, and hold UL harmless from and against any loss, expense, liability, damage, claim, or judgment (including reasonable attorney's fees) resulting from any error or deviation introduced while purchaser is storing an electronic Standard on the purchaser's computer system.

Copyright © 2018 Underwriters Laboratories Inc.

**UL COPYRIGHTED MATERIAL –
NOT AUTHORIZED FOR FURTHER REPRODUCTION OR
DISTRIBUTION WITHOUT PERMISSION FROM UL**



Documents

Document Sharing Hub

Preface

This document provides a single listing of the technical National Differences included in the UL adoption of the corresponding IEC standard.

In its IEC-based standards, UL uses the notations indicated below to identify national difference type, and these types are additionally noted in this document. The standard may not use all types of these deviations.

D1 - These are deviations which are based on basic safety principles and requirements, elimination of which would compromise safety for U.S. consumers and users of products.

D2 - These are deviations based on safety practices. These are deviations for IEC requirements that may be acceptable, but adopting the IEC requirements would require considerable retesting or redesign on the manufacturer's part.

DC - These are deviations based on the component standards and will not be deleted until a particular component standard is harmonized with the IEC component standard.

DE - These are deviations based on editorial comments or corrections.

DR - These are deviations based on the national regulatory requirements.

Each national difference contains a description of what the national difference entails. Typically one of the following words is used to explain how the text of the national difference is to be applied to the base IEC text:

Addition / Add - An addition entails adding a complete new numbered clause, subclause, table, figure, or annex. Addition is not meant to include adding select words to the base IEC text.

Deletion / Delete - A deletion entails complete deletion of an entire numbered clause, subclause, table, figure, or annex without any replacement text.

Modification / Modify - A modification is an altering of the existing base IEC text such as the addition, replacement or deletion of certain words or the replacement of an entire clause, subclause, table, figure, or annex of the base IEC text.

National Differences

1DV.1 DR Modification of the second paragraph and Note 101 of the part 2 by replacement with the following:

This International Standard deals with the safety of electric shavers, hair clippers, epilators and similar appliances intended for household and similar purposes, their **RATED VOLTAGE** being not more than 250 V and intended to be installed or used in accordance with NFPA 70, National Electrical Code (NEC).

Hair clippers and shavers incorporating a suction feature to collect clippings or shavings during operation are also covered by this standard.

1DV.2 D2 Modification of Note 104 of the Part 2 by the addition of the following dashed items:

- lather makers (UL 499);
- barber shop vacuum cleaners for use on persons (UL 1017)
- manicure, pedicure, or personal grooming appliances used for similar purposes (UL 859). However, hair clipping and shaving appliances supplied with manicure, pedicure, or other similar attachments or accessories are investigated under these requirements and such additional requirements as are applicable to the appliance under consideration.
- lasers and intense light source hair removal devices (UL 60601).

3.1.9DV D2 Modification to replace the second paragraph and Note 101 with the following:

The appliance is held by appropriate means so as to have negligent effect on blade movement, temperature and load. It is held with its major axis and the major axis of the cutting head or other accessory positioned in a horizontal plane and operated without applying a load.

3.101DV D2 Modification to replace the definition for animal shearer with the following:

ANIMAL SHEARER: appliance for commercial use for shearing the fleece of an animal such as a sheep, in which the distance between the stationary blade teeth is typically large enough to introduce a risk of personal injury.

3.103DV D2 Modification to replace 3.103 with the following:

WASHABLE APPLIANCE: appliance, the hand-held part of which can be cleaned under water

NOTE: Where the term washable shaver is used throughout the standard, this is also applicable to other washable appliances.

3.104DV D2 Modification to replace 3.104 with the following:

WET APPLIANCE: appliance, the hand-held part of which may be used in a bath or shower

NOTE: Where the term wet shaver is used throughout the standard, this is also applicable to other wet appliances.

5.8.2DV D2 Modification to add the following:

During the required tests for a CLASS III APPLIANCE, each USB connection shall be connected to an independent 5,25 V dc, 8 A capacity DC source of supply unless otherwise indicated. If the appliance has a USB power delivery connection, the voltage shall instead be 21,5 V or 1,05 times the declared operating voltage if less than 20 V. When it is stated that the supply voltage is the RATED VOLTAGE multiplied by a factor, this is disregarded for a CLASS III APPLIANCE.

6.1DV.1 D2 Replacement of the second paragraph of 6.1 of the Part 2 with the following:

WASHABLE SHAVERS and WET SHAVERS shall be CLASS I, CLASS II or CLASS III.

6.1DV.2 D2 Modification to add the following:

CLASS III APPLIANCES are allowed for appliances powered or charged via a USB connection.

7.1DV.101 DR Modification to add the following:

A CLASS 0, CLASS I or CLASS II appliance shall be rated for use on a 120 V branch circuit. The RATED VOLTAGE shall be 115, 120 or 125 V or the RATED VOLTAGE RANGE shall include 120 V.

7.10DV D2 Modification to add the following to 7.10 of the UL part 1:

A manually operated motor-control switch for an appliance that indicates disconnection from the mains, as required by 22.40DV, shall have a plainly identified OFF POSITION.

7.12DV.1 D2 Modification to replace the first, second, third, and fourth paragraphs of 7.12 of the Part 2 addition with the following:

The instructions shall state whether the appliance is intended for household or commercial use.

If the blade temperatures exceed the limit for handles held for short periods only in Table 3, the instructions for ANIMAL CLIPPERS for commercial use and ANIMAL SHEARERS shall include the substance of the following.

WARNING: Cutting blades may become hot after prolonged use.

If a symbol is used in place of required marking text, such as for the OFF POSITION in 7.10DV, WET SHAVERS or WASHABLE SHAVERS in 7.1, its meaning shall be explained.

7.12DV.2 D2 Modification to replace the sixth paragraph of 7.12 of the Part 1 with the following:

The instructions for CLASS III APPLIANCES shall include the substance of the following and shall warn against using unapproved sources:

Use only with a USB Power Source on a certified product, such as on a computer, receptacle, lamp, class 2 power supply or automotive adaptor.

7.12DV.3 D2 Addition of 7.12DV.3.1 – 7.12DV.3.4 to the part 2:

7.12DV.3.1 The instructions shall include the substance of the items in the following list, as applicable, and any other instructions that the manufacturer requires for the appliance. The statement "Read all instructions before using" shall precede the list of items following the word "DANGER." The items are not required to be numbered.

IMPORTANT SAFETY INSTRUCTIONS

When using an electrical appliance, basic precautions are required to always be followed, including the following:

Read all instructions before using (this appliance)

DANGER – To reduce the risk of electric shock:

1. Do not reach for an appliance that has fallen into water. Unplug immediately from receptacle. (This statement is not needed for a wet shaver, or other appliances intended for use in a bath or shower.)
2. Do not use while bathing or in a shower. (This statement is not needed for a wet shaver, or other appliances intended for use in a bath or shower.)
3. Do not place or store appliance where it is able to fall or be pulled into a tub or sink. Do not place in or drop into water or other liquid. (This statement is not needed for a wet shaver, or other appliances intended for use in a bath or shower.)
4. Except when charging, always unplug this appliance from the electrical outlet immediately after using.
5. Unplug this appliance before cleaning.

WARNING – To reduce the risk of burns, fire, electric shock, or injury to persons:

1. An appliance shall never be left unattended when plugged in. (This statement need not be included for a battery-operated appliance that must be recharged.)
2. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

UL COPYRIGHTED MATERIAL –

NOT AUTHORIZED FOR FURTHER REPRODUCTION OR
DISTRIBUTION WITHOUT PERMISSION FROM UL



Documents

Document Sharing Hub