



National Differences For

UL 60320-1

Appliances Couplers for Household and Similar General Purposes - Part 1: General Requirements

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Appliances Couplers for Household and Similar General Purposes - Part 1: General Requirements

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Adoption of the Second Edition of the Standard for Appliance Couplers for Household and Similar General Purposes - Part 1: General Requirements, IEC 60320-1 with Harmonized National Differences. Although this the original publication, it is being published as a second edition so that the numbering of subsequent editions will be synchronized with the number of the IEC standard on which it is based.

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

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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 D1 *Modify the first paragraph by replacing with the Clauses 1DV.1 and 1DV.2:*

1DV.1 These requirements are applicable to two-pole appliance couplers for a.c. only, and with or without earthing contact, with a rated voltage not exceeding 250 V and a rated current not exceeding 20 A, for household and similar general purposes and intended for the connection of a supply cord to electrical appliances or other electrical equipment for 50 Hz or 60 Hz supply.

1DV.2 This standard does not apply directly to the following devices, but supplements the standards applying to such devices:

– devices produced integrally with flexible cord or cable, which are covered by CSA C22.2 No. 21 and UL 817.

1DV.3 Delete Note 1, Note 2, Note 3, Note 4, and Note 5

2DV.1 D2 *Delete the following IEC publications in Clause 2:*

Delete IEC 60050

Delete IEC 60227

Delete IEC 60245

Delete IEC 60730

Delete IEC 61058

Delete IEC 61140

2DV.2 D2 *Add the following Canadian, IEC, and USA reference publications to Clause 2:*

Canada

CSA C22.2 No. 21-95 (R2009),
Cord Sets and Power Supply Cords

CSA C22.2 No. 49-10,
Flexible Cord and Cables

CAN/CSA-C22.2 No. 0.17-00 (R2009),
Evaluation of Properties of Polymeric Materials

IEC**IEC 60695-11-10: 2003*****Fire hazard testing – Part 11-10: Test flames – 50 W horizontal and vertical flame test methods*****USA****UL 62*****Flexible Cords and Cables*****UL 817*****Cord Sets and Power-Supply Cords*****UL 746A*****Polymeric Materials – Short Term Property Evaluations*****3.9DV D1 Modify 3.9 as follows:****Replace "by the manufacturer" with "according to North American Ratings Table 6DV.1".****3.10DV D1 Modify 3.10 as follows:****Replace "by the manufacturer" with "according to North American Ratings Table 6DV.1".****3.23DV DE Add the following definitions to Clause 3:****3.23DV.1 core – an individual insulated conductor of a cord or cable assembly.****3.23DV.2 Class I equipment – accessories with provision for an equipment ground.****3.23DV.3 Class II equipment – accessories without provision for an equipment ground****4DV D1 Add the following to clause 4:****4DV.1 New product evaluation (in Canada)**

A product that contains features, characteristics, components, materials, or systems new or different from those covered by the requirements in this standard, and that involve a risk of fire, electric shock, or injury to persons, shall be evaluated using the appropriate additional component and end-product requirements as determined necessary to maintain the acceptable level of safety as originally anticipated by the intent of this standard. A product whose features, characteristics, components, materials, or systems conflict with specific requirements or provisions of this standard cannot be judged to comply with this standard. Where considered appropriate, revision of requirements shall be proposed and adopted in conformance with the methods employed for development, revision, and implementation of this standard.

5.7DV D1 Delete Clause 5.7:**This clause is not applicable.**

6DV D1 Modification of Clause 6 by replacing it with the following:

6DV.1 The standard rated voltage and current shall be the North American rating in accordance with the following table. Furthermore, references throughout this standard to configuration sheets shall be associated with the North American ratings in the following table. This applies to all standard sheets and figures.

Table 6DV.1 - North American Ratings

Configuration	IEC Rating Reference	North American Rating		
		Non-rewirable Connector	Re-Wirable Connector	Inlet
C1 & C2	0.2 A, 250 V	0.2 A, 125 V, or 250 V	N/A	0.2 A, 250 V
C5 & C6	2.5 A, 250 V	7 A, 125 V, or 2.5 A, 250 V	N/A	7 A, 125 V, or 2.5 A, 250 V
C7 & C8	2.5 A, 250 V	7 A, 125 V, or 2.5 A, 250 V	N/A	7 A, 125 V, or 2.5 A, 250 V
C9 & C10	6 A, 250 V	6 A, 250 V	N/A	6 A, 250 V
C13 & C14	10 A, 250 V	15 A, 125 V, or 250 V	15 A, 250 V	15 A, 250 V
C15 & C16	10 A, 250 V	15 A, 125 V, or 250 V	15 A, 250 V	15 A, 250 V
C15A & C16A	10 A, 250 V	15 A, 125 V, or 250 V	15 A, 250 V	15 A, 250 V
C17 & C18	10 A, 250 V	15 A, 125 V, or 250 V	N/A	15 A, 250 V
C19 & C20	16 A, 250 V	20 A, 125 V, or 250 V	20 A, 250 V	20 A, 250 V
C21 & C22	16 A, 250 V	20 A, 125 V, or 250 V	20 A, 250 V	20 A, 250 V
C23 & C24	16 A, 250 V	20 A, 125 V, or 250 V	N/A	20 A, 250 V

See informative Annex DVA for illustrations of configurations in this table.

Compliance with this requirement shall be determined by visual inspection of the marking.

NOTE 1 Throughout the standard, references to 2.5, 10 A and 16 A shall be changed to 7A, 15 A and 20 A, respectively.

NOTE 2 The North American ampacities in the above table are based on the use of AWG conductor size.

7.1.2DV.1 D1 Modification of Clause 7.1.2 by adding the following dashed items:

- appliance couplers for class I equipment in sheet C5, C6, C13, C14, C15, C16, C15A, C16A, C19, C20, C21 and C22 configurations;
- appliance couplers for class II equipment in C1, C2, C7, C8, C8A, C8B, C9, C10, C17, C18, C23 and C24 configurations.

7.1.2DV.2 D1 Deletion of note in Clause 7.1.2:

This NOTE does not apply.

7.2DV D1 Modification of NOTE 2 as follows:

Replace “0,2 A appliance couplers” with “Sheet C1 and C2 configurations”.