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(reaffirmed 2020)

Low-voltage fuses — Part 10: Class L fuses

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The following revisions have been formally approved and are marked by a vertical line in the margin on the attached replacement pages:

Revised	Title page, copyright page, and Clause 1
New	None
Deleted	None

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May 13, 2011

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ANSI/UL 248-10-2011 (R2015)

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Preface

This is the harmonized ANCE, CSA, and UL standard for Low-Voltage Fuses – Part 10: Class L Fuses. It is the second edition of NMX-J-009/248/10-ANCE, the third edition of CSA C22.2 No. 248.10-11, and the third edition of UL 248-10. This edition of NMX-J-009-248/10-ANCE cancels the previous edition published in 2000. This edition of CSA C22.2 No. 248.10-11 supersedes the previous edition published in 2000.

This harmonized standard was prepared by the Association of Standardization and Certification (ANCE), the Canadian Standards Association (CSA), and Underwriters Laboratories Inc., (UL).

This Standard is considered suitable for use for conformity assessment within the stated scope of the Standard.

The present Mexican Standard was developed by the CT 32 from the Comite de Normalizacion de la Asociacion de Normalizacion y Certificacion, A.C., CONANCE, with the collaboration of the fuse manufacturers and users.

This standard was reviewed by the CSA Subcommittee on Fuses and Fuseholders, under the jurisdiction of the CSA Technical Committee on Industrial Products and the CSA Strategic Steering Committee on Requirements for Electrical Safety, and has been formally approved by the CSA Technical Committee.

This standard has been approved by the American National Standards Institute (ANSI) as an American National Standard.

A UL standard is current only if it incorporates the most recently adopted revisions, all of which are itemized on the transmittal notice that accompanies the latest set of revised requirements.

Where reference is made to a specific number of samples to be tested, the specified number is to be considered a minimum quantity.

Note: Although the intended primary application of this standard is stated in its scope, it is important to note that it remains the responsibility of the users of the standard to judge its suitability for their particular purpose.

Level of Harmonization

This standard is published as an identical standard for ANCE, CSA, and UL. An identical standard is a standard that is exactly the same in technical content except for national differences resulting from conflicts in codes and governmental regulations. Presentation is word for word except for editorial changes.

Interpretations

The interpretation by the standards development organization of an identical or equivalent standard is based on the literal text to determine compliance with the standard in accordance with the procedural rules of the standards development organization. If more than one interpretation of the literal text has been identified, a revision is to be proposed as soon as possible to each of the standards development organizations to more accurately reflect the intent.

Low-Voltage Fuses – Part 10: Class L Fuses

1 General

NOTE –

This Part is intended to be read together with the Standard for Low-Voltage Fuses – Part 1: General Requirements, hereafter referred to as Part 1. The numbering of the clauses in this Part corresponds to like numbered Clauses in Part 1. The requirements of Part 1 apply unless modified by this Part. For Clauses not shown below, refer to the Standard for Low-Voltage Fuses – Part 1: General Requirements, NMX-J-009/248/1-ANCE ♦ CSA C22.2 No. 248.1-11 ♦ UL 248-1.

1.1 Scope

This Part applies to Class L fuses rated 100 – 6000 A and 600 V ac. DC ratings are optional.

4 Classification

Class L fuses are non-renewable, current-limiting bolt-in type with an interrupting rating of 200,000 A, or at the manufacturer's option 300,000 A . Class L fuses are divided into nine body sizes with the maximum current rating I_n for each size specified in this part. Time-delay ratings are optional.

5 Characteristics

5.2 Voltage rating

For AC, the rating shall be 600 V ac.

The DC voltage rating may be different from the AC rating.

5.3 Current rating

Refer to Figure A for the range of current ratings in each body size.

5.5 Interrupting rating

For AC, 200,000 A or 300,000 A at the manufacturer's option (300,000 A not applicable in Mexico).

For DC, the preferred ratings are 20,000, 50,000, 100,000, 150,000, 200,000, or 300,000 A.