UL 4248-5

STANDARD FOR SAFETY

Fuseholders – Part 5: Class G

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UL Standard for Safety for Fuseholders – Part 5: Class G, UL 4248-5

Second Edition, Dated March 31, 2022

Summary of Topics

This reaffirmation of ANSI/UL 4248-5 dated June 29, 2026 is issued to update the title page to reflect the most recent designation as a Reaffirmed American National Standard (ANS). No technical changes have been made.

As noted in the Commitment for Amendments statement located on the back side of the title page, ULSE and CSA are committed to updating this harmonized standard jointly. However, the revision pages dated June 29, 2026 will not be jointly issued by ULSE and CSA as these revision pages address removal of the ANSI logo and approval.

Text that has been changed in any manner or impacted by ULSE's electronic publishing system is marked with a vertical line in the margin.

The requirements are substantially in accordance with Proposal(s) on this subject dated May 8, 2026.

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This Standard is subject to review within five years from the date of publication, and suggestions for its improvement will be referred to the appropriate committee. To submit a proposal for change, please send the following information to inquiries@csagroup.org and include "Proposal for change" in the subject line: Standard designation (number); relevant clause, table, and/or figure number; wording of the proposed change; and rationale for the change.

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This ANSI/UL Standard for Safety consists of the Second Edition including revisions through June 29, 2026.

The most recent designation of ANSI/UL 4248-5 as a Reaffirmed American National Standard (ANS) occurred on June 29, 2026. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page (front and back), or the Preface.

Comments or proposals for revisions on any part of the Standard may be submitted to ULSE at any time. Proposals should be submitted via a Proposal Request in the Collaborative Standards Development System (CSDS) at https://csds.ul.com.

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PREFACE

This is the harmonized CSA Group and ULSE Standard for Fuseholders – Part 5: Class G. It is the second edition of CSA C22.2 No. 4248.5 and the second edition of UL 4248-5. This edition of CSA C22.2 No. 4248.5 supersedes the first edition published in 2007. This edition of UL 4248-5 supersedes the first edition published in 2007.

This harmonized standard was prepared by CSA Group and ULSE. The efforts and support of the Technical Harmonization Subcommittee, 32B, Fuses, Fuseholders, on the Harmonization of Electrotechnical Standards of the Nations of the Americas (CANENA), are gratefully acknowledged.

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

While ANCE continues to participate in the technical development of this trinational standard, the ANCE logo has been removed from the title page as standards cannot be formally published in Mexico at this time.

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 developed in compliance with Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

Application of Standard

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 CSA Group and ULSE.

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 and basic safety principles and requirements. 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.

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Fuseholders – Part 5: Class G

1 Scope

1.1 This Part is intended to be read together with the Standard for Fuseholders – Part 1: General Requirements, hereafter referred to as Part 1. The titles of the Clauses in this Part correspond to the similarly titled Clauses in Part 1. The requirements of Part 1 apply unless modified by this Part. For the Part 1 requirements, refer to the Standard for Fuseholders – Part 1: General Requirements, NMX-J-009-4248-ANCE / CSA C22.2 No. 4248.1 / UL 4248-1.

1.2 These requirements cover fuseholders intended for use with Class G Fuses as described in the Standard for Low-Voltage Fuses – Part 5: Class G Fuses, NMX-J-009/248/5-ANCE / CSA C22.2 No. 248.5 / UL 248-5.

2 Referenced Publications

2.1 Any undated reference to a code or standard appearing in the requirements of this Standard shall be interpreted as referring to the latest edition of that code or standard.

2.2 When a reference is made to a code or standard, the product shall comply with the code or standard of the country in which the product is intended to be used.

2.3 Throughout this Standard, the CSA standard references apply to products intended for use in Canada, the ANCE NMX standard references apply to products intended for use in Mexico, and the UL standard references apply to products intended for use in the United States. Combined references are separated by a slash (“ / ”) to denote the difference between the applicable requirements specified for use in Canada, Mexico, and the United States.

2.4 The following publications are referenced in this Standard:

United States	Canada	Mexico
NFPA 70, National Electrical Code	CSA C22.1, Canadian Electrical Code, Part I	NOM-001, Mexican Electrical Code
	CSA C22.2 No. 0, General Requirements – Canadian Electrical Code, Part II	
UL 248-5, Low-Voltage Fuses – Part 5: Class G Fuses *(Trinational Standard)*	CSA C22.2 No. 248.5, Low-Voltage Fuses – Part 5: Class G Fuses *(Trinational Standard)*	NMX-J-009/248/5-ANCE, Low-Voltage Fuses – Part 5: Class G Fuses *(Trinational Standard)*
UL 4248-1, Fuseholders – Part 1: General Requirements *(Trinational Standard)*	CSA C22.2 No. 0.17, Evaluation of Properties of Polymeric Materials	
	CSA C22.2 No. 4248.1, Fuseholders – Part 1: General Requirements *(Trinational Standard)*	NMX-J-009-4248-ANCE, Fuseholders – Part 1: General Requirements *(Trinational Standard)*

3 Units of Measurement

3.1 The values given in SI (metric) shall be normative. Any other values given shall be for information purposes only.

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