



CSA C22.2 No. 94.2:20
National Standard of Canada



Enclosures for electrical equipment, environmental considerations



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Revision History

CSA C22.2 No. 94.2:20, Enclosures for electrical equipment,
environmental considerations — originally published October 2020

Update No. 1 — April 2024	Revision symbol (in margin)
Cover, Copyright page, Preface, Clauses 5A, 7.8, 7.8.1, 8.15.2.1, 8.15.2.2, 8.16.1.1, 8.17.2, 8.18, and Figures 4–8 Note: <i>Only revised pages have been provided.</i>	

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UL Standard for Safety for Enclosures for Electrical Equipment, Environmental Considerations, UL 50E
Third Edition, Dated October 15, 2020

Summary of Topics

This revision of ANSI/UL 50E dated April 30, 2024 includes the following changes in requirements:

- Sealing Compound at Joints or Seams; [7.8.1](#)***
- Adhesives that Bond Surfaces; [8.17.2](#)***
- Addition of Alternate Test Method of Water Exposure and Immersion; [8.16.1.1](#)***
- Ancillary Rating for Power Wash – PW; Clause [5A](#), Clause [8.18](#), [Figure 4](#) - [Figure 8](#)***
- Revision of [8.15.2](#) by Adding Additional References***

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 new and revised requirements are substantially in accordance with Proposal(s) on this subject dated December 16, 2022, June 23, 2023 and February 9, 2024.

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Association of Standardization and Certification
NMX-J-235/2-ANCE-2020
Fourth Edition



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CSA C22.2 No. 94.2:20
Third Edition



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UL 50E
Third Edition

Enclosures for Electrical Equipment | Environmental Considerations

October 15, 2020

(Title Page Reprinted: April 30, 2024)



ANSI/UL 50E-2024

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This ANSI/UL Standard for Safety consists of the Third Edition including revisions through April 30, 2024.

The most recent designation of ANSI/UL 50E as an American National Standard (ANSI) occurred on April 30, 2024. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page (front and back), or the Preface.

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Preface

This is the harmonized ANCE, CSA Group, and ULSE standard for Enclosures for Electrical Equipment, Environmental Considerations. It is the fourth edition of NMX-J-235/2-ANCE-2020, the third edition of CSA C22.2 No. 94.2:20, and the third edition of UL 50E. This edition of NMX-J-235/2-ANCE supersedes the previous edition published on October 16, 2015. This edition of CSA C22.2 No. 94.2 supersedes the previous edition published in 2015. This edition of UL 50E supersedes the previous edition published on October 16, 2015. This harmonized standard has been jointly revised on April 30, 2024. For this purpose, CSA Group and ULSE are issuing revision pages dated April 30, 2024, and ANCE is issuing a new edition dated April 30, 2024.

This harmonized standard was prepared by the Association of Standardization and Certification (ANCE), CSA Group, and ULSE. The efforts and support of Technical Harmonization Committee 7031 are gratefully acknowledged.

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 CDI Control y Distribución Industrial from the Comité de Normalización de la Asociación de Normalización y Certificación A.C., CONANCE, with the collaboration of the enclosures manufacturers and users.

This standard was reviewed by the CSA Integrated Committee on Enclosures, 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.

Application of Standard

Where reference is made to a specific number of samples to be tested, the specified number is 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 uses the IEC format but is not based on, nor is it considered equivalent to, an IEC standard. This standard is published as an equivalent standard for ANCE, CSA Group, and ULSE.

An equivalent standard is a standard that is substantially the same in technical content, except as follows: Technical national differences are allowed for codes and governmental regulations as well as those recognized as being in accordance with NAFTA Article 905, for example, because of fundamental climatic, geographical, technological, or infrastructural factors, scientific justification, or the level of protection that the country considers appropriate. Presentation is word for word except for editorial changes.

Reasons for differences from IEC

The THSC investigated and found no existing IEC standards or work programs covering the scope of the products in this standard.