



CSA C22.2 No. 182.1:17
National Standard of Canada
(reaffirmed 2021)



Plugs, receptacles, and cable connectors of the pin and sleeve type



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Revision History

CSA C22.2 No. 182.1:17, Plugs, receptacles, and cable connectors of the pin and sleeve type — originally published February 2017

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Update No. 2 — March 2024	Revision symbol (in margin)
Title page, copyright page, Preface, Clause 3.2.2, Supplements SA and SC, and Annex B	
Note: Only the revised pages have been provided.	

Update No. 1 — March 2022
Title page, copyright page, Preface, and Table 19

National Standard of Canada — December 2021
Outside front cover, National Standard of Canada text, and title page.
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.

The following is a list of revisions, additions and deletions to CSA C22.2 No. 182.1:17:

Update No. 2 — March 2024

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Standard for Safety for Plugs, Receptacles, and Cable Connectors of the Pin and Sleeve Type

Fifth Edition, Dated February 15, 2017

SUMMARY OF TOPICS

This revision dated March 28, 2024 expands requirements for Weather-Resistant Receptacles; [3.2.2](#), Supplement [SA](#), and Supplement [SC](#).

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Association of Standardization and Certification
NMX-J-719-ANCE
First Edition



CSA Group
CSA C22.2 No. 182.1:17
Fifth Edition



ULSE Inc.
UL 1682
Fifth Edition

Plugs, Receptacles, and Cable Connectors of the Pin and Sleeve Type

February 15, 2017

(Title Page Reprinted: March 28, 2024)



ANSI/UL 1682-2024



Commitment for Amendments

This standard is issued jointly by the Association of Standardization and Certification (ANCE), the Canadian Standards Association (operating as "CSA Group"), and ULSE Inc. (ULSE). Comments or proposals for revisions on any part of the standard may be submitted to ANCE, CSA Group, or ULSE at anytime. Revisions to this standard will be made only after processing according to the standards development procedures of ANCE, CSA Group, and ULSE. CSA Group and ULSE will issue revisions to this standard by means of a new edition or revised or additional pages bearing their date of issue. ANCE will incorporate the same revisions into a new edition of the standard bearing the same date of issue as the CSA Group and ULSE pages.

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This ANSI/UL Standard for Safety consists of the Fifth Edition including revisions through March 28, 2024. The most recent designation of ANSI/UL 1682 as an American National Standard (ANSI) occurred on March 28, 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 Plugs, Receptacles, and Cable Connectors of the Pin and Sleeve Type. It is the First edition of NMX-J-719-ANCE, the Fifth edition of CSA C22.2 No. 182.1, and the Fifth edition of UL 1682. This edition of CSA-C22.2 No. 182.1 supersedes the previous edition published in February 2014. This edition of UL 1682 supersedes the previous edition published on February 7, 2014. This harmonized standard has been jointly revised on March 28, 2024. For this purpose, CSA Group and ULSE are issuing revision pages dated March 28, 2024, and ANCE is issuing a new edition dated March 28, 2024.

This harmonized Standard was prepared by the Association of Standardization and Certification, (ANCE), CSA Group, and ULSE Inc. (ULSE).

The efforts and support of the Technical Harmonization Subcommittee, 23H, 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.

The present Mexican standard was developed by the CT 23 – Accesorios eléctricos (Artefactos eléctricos) from the Comité de Normalización de la Asociación de Normalización y Certificación, A.C., CONANCE, with the collaboration of the plugs, receptacles and conductors manufacturers and users.

This Standard was reviewed by the CSA Integrated Committee on Wiring Devices under the jurisdiction of the CSA Technical Committee on Wiring 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 the 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 equivalent Standard.

An equivalent Standard is a Standard that is substantially the same in technical content, except as follows. Technical deviations are allowed for Codes and Government Regulations and 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.