



**CSA
Group**

C22.2 No. 269.3-17

Surge protective devices — Type 3 — Cord connected, direct plug-in and receptacle type



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— Cord connected, direct plug-in
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Preface

This is the second edition of CSA C22.2 No. 269.3, *Surge protective devices Type 3 — Cord connected, direct plug-in and receptacle type*. It supersedes the previous edition published in 2014. This Standard is one in a series of standards dealing with surge protective devices. This Standard is issued by CSA Group under Part II of the *Canadian Electrical Code*.

For general information on the Standards of the *Canadian Electrical Code, Part II*, see the Preface of CAN/CSA-C22.2 No. 0.

The edition incorporates numerous changes throughout to align the requirements with the revisions and updates made to other standards in this series.

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

This Standard was prepared by the Subcommittee on Surge Protective Devices, under the jurisdiction of the Technical Committee on Industrial Products and the Strategic Steering Committee on Requirements for Electrical Safety, and has been formally approved by the Technical Committee.

Interpretations: The Strategic Steering Committee on Requirements for Electrical Safety has provided the following direction for the interpretation of standards under its jurisdiction: “The literal text shall be used in judging compliance of products with the safety requirements of this Standard. When the literal text cannot be applied to the product, such as for new materials or construction, and when a relevant committee interpretation has not already been published, CSA’s procedures for interpretation shall be followed to determine the intended safety principle.”

Notes:

- 1) *Use of the singular does not exclude the plural (and vice versa) when the sense allows.*
 - 2) *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.*
 - 3) *This Standard was developed by consensus, which is defined by CSA Policy governing standardization — Code of good practice for standardization as “substantial agreement. Consensus implies much more than a simple majority, but not necessarily unanimity”. It is consistent with this definition that a member may be included in the Technical Committee list and yet not be in full agreement with all clauses of this Standard.*
 - 4) *To submit a request for interpretation of this Standard, please send the following information to inquiries@csagroup.org and include “Request for interpretation” in the subject line:*
 - a) *define the problem, making reference to the specific clause, and, where appropriate, include an illustrative sketch;*
 - b) *provide an explanation of circumstances surrounding the actual field condition; and*
 - c) *where possible, phrase the request in such a way that a specific “yes” or “no” answer will address the issue.*
- Committee interpretations are processed in accordance with the CSA Directives and guidelines governing standardization and are available on the Current Standards Activities page at standardsactivities.csa.ca.*
- 5) *This Standard is subject to review within five years from the date of publication. 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:*
 - a) *Standard designation (number);*
 - b) *relevant clause, table, and/or figure number;*
 - c) *wording of the proposed change; and*
 - d) *rationale for the change.*

C22.2 No. 269.3-17

Surge protective devices — Type 3 — Cord connected, direct plug-in and receptacle type

1 Scope

1.1

This Standard covers cord connected, direct plug-in and receptacle type SPDs whose primary function is to provide surge protection and that are intended to be marked SPD Type 3 in accordance with Clause 5.2 a). This product may also be used for power distribution circuits.

1.2

This Standard applies to SPDs intended for use on 50 or 60 Hz power circuits over 42 V and not exceeding 600 V.

1.3

Cord connected, direct plug-in, and receptacle type SPDs intended for use within 10 m of conductor distance from the main disconnect are also tested to the requirements of CSA C22.2 No. 269.2.

1.4

This Standard does not cover cord connected power bars with surge suppression capability built to CSA C22.2 No. 21 whose primary function is not to provide surge protection.

1.5

This Standard does not cover receptacles or current taps with surge protection capability built to CSA C22.2 No. 42 whose primary function is not to provide surge protection

1.6

Requirements of this Standard do not include devices intended for marine applications.

1.7

Where the requirements of this Standard conflict with the requirements of CSA C22.2 No. 21 and CSA C22.2 No. 42, the requirements of this Standard shall take precedence.

1.8

This Standard covers products that are intended to be installed or used in accordance with the *Canadian Electrical Code, Part I*.

1.9

In this Standard, “shall” is used to express a requirement, i.e., a provision that the user is obliged to satisfy in order to comply with the standard; “should” is used to express a recommendation or that

which is advised but not required; and “may” is used to express an option or that which is permissible within the limits of the standard.

Notes accompanying clauses do not include requirements or alternative requirements; the purpose of a note accompanying a clause is to separate from the text explanatory or informative material.

Notes to tables and figures are considered part of the table or figure and may be written as requirements.

Annexes are designated normative (mandatory) or informative (nonmandatory) to define their application.

2 Reference publications

This Standard refers to the following publications, and where such reference is made, it shall be to the edition listed below:

CSA Group

C22.1-15

Canadian Electrical Code, Part I

CAN/CSA-C22.2 No. 0-10 (R2015)

General Requirements—Canadian Electrical Code, Part I

C22.2 No. 0.2-16

Insulation Coordination

CAN/CSA-C22.2 No. 0.4-04 (R2013)

Bonding of electrical equipment

CAN/CSA-C22.2 No. 0.17-00 (R2013)

Evaluation of Properties of Polymeric Materials

C22.2 No. 5-16

Molded-case circuit breakers, molded-case switches and circuit-breaker enclosures

C22.2 No. 8-13

Electromagnetic interference (EMI) filters

C22.2 No. 21-14

Cord sets and power-supply cords

C22.2 No. 42-10 (R2015)

General use receptacles, attachment plugs, and similar wiring devices

C22.2 No. 66.3-06 (R2015)

Low voltage transformers — Part 3: Class 2 and Class 3 transformers

C22.2 No. 94.1-15

Enclosures for electrical equipment, non-environmental considerations