



Controlled outlets



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Preface

This is the first edition of CSA C22.2 No. 320, *Controlled outlets*. It is one of a series of Standards issued 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 the latest edition of CAN/CSA-C22.2 No. 0.

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

This Standard was prepared by the Integrated Committee on Wiring Devices, under the jurisdiction of the Technical Committee on Wiring 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.”

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.

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.*

CSA C22.2 No. 320:19

Controlled outlets

1 Scope

1.1

This Standard covers controlled outlets, equipped with or without locking or non-locking receptacle configurations, for permanently connected branch circuit installation, rated up to and including 600 V, 60A and intended to be installed in ordinary locations in accordance with CSA C22.1, *Canadian Electrical Code, Part I*.

1.2

This Standard also covers outlets that might be installed in wet or damp category two locations when fitted with self-closing weather proof covers.

1.3

These requirements also cover controlled tamper-resistant and weather-resistant outlets.

1.4

This Standard does not directly apply to, but could include, additional requirements from the following standards:

- a) CSA C22.2 No. 21, employing integral connectors etc. as part of a power supply cord or cord set;
- b) CSA C22.2 No. 308, employing cord reels for general and special use, cord-connected multiple extension boxes and hospital grade power bars;
- c) CSA C22.2 No. 42, employing current taps and adapters;
- d) CSA C22.2 No. 43, employing male or female screw shells;
- e) CSA C22.2 182.3, employing special use attachment plugs, receptacles, and connectors;
- f) CSA C22.2 No. 223, employing Class 2 power supply outlets (USB) installed on faceplates of an outlet box, on a yoke similar to an outlet box-mounted receptacle, or mounted on a wall as a self-contained device; and
- g) CSA C22.2 No. 144.1, employing Class A GFCI receptacles.

1.5

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 (non-mandatory) to define their application.