

Neon transformers and power supplies



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Preface

This is the first edition of CSA C22.2 No. 255, *Neon transformers and power supplies*.

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

This Standard was prepared by the Subcommittee on Neon Transformers, 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”.

October 2004

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 - (b) provide an explanation of circumstances surrounding the actual field condition; and
 - (c) be phrased where possible to permit a specific “yes” or “no” answer.

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C22.2 No. 255-04

Neon transformers and power supplies

1 Scope

1.1

This Standard applies to transformers and power supplies, including those intended to be connected to a Class 2 source of supply, that provide the voltage and ballasting for neon and cold-cathode tubing (electric-discharge tubing) and are intended to be used in accordance with the *Canadian Electrical Code, Part I*.

1.2

This Standard does not apply to

- (a) transformers or power supplies intended to supply other forms of lighting such as fluorescent, high-intensity-discharge, electroluminescent, LED, and plasma lighting; and
- (b) transformers or power supplies that are intended for use with oil burners.

1.3

The values given in SI (metric) units are the standard. The values given in parentheses are for information only.

1.4

Unless otherwise indicated, all voltage and current values in this Standard are root-mean-square (rms).

1.5

In CSA Standards, “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; “may” is used to express an option or that which is permissible within the limits of the standard; and “can” is used to express possibility or capability. 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.

2 Reference publications

This Standard refers to the following publications, and where such reference is made, it shall be to the edition listed below, including all amendments published thereto.

Note: *In cases where the editions listed below are replaced by newer editions during the life of this referencing Standard, users of this Standard are encouraged to investigate the possibility of applying the most recent editions.*

CSA (Canadian Standards Association)

C22.1-02

Canadian Electrical Code, Part I

CAN/CSA-C22.2 No. 0-M91 (R2001)

General Requirements — Canadian Electrical Code, Part II