



**CSA
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National Standard of Canada
(reaffirmed 2018)



Electrode Receptacles, Fittings, and Connectors for Gas Tubes



Standards Council of Canada
Conseil canadien des normes

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Revision History

CSA C22.2 No. 34:M87, Electrode Receptacles, Fittings, and Connectors for Gas Tubes

National Standard of Canada — December 2018
Outside front cover, National Standard of Canada text and title page.

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General
Instruction No. 2
C22.2 No. 34-M1987
March 1991

CSA Standard C22.2 No. 34-M1987, *Electrode Receptacles, Fittings, and Connectors for Gas Tubes*, was published in June 1987; it consisted of 15 pages, each of which was dated June 1987.

The addition of Clauses 3.2.2 and 6.7 have been formally approved (and identified by a vertical line in the margin) in the attached replacement pages.

CSA Standard C22.2 No. 34-M1987 now consists of the following pages:

5–8 and 13–15 dated **June 1987**;

3, 4, and 9–12 dated **March 1991**.

These replacement pages are to be inserted into your copy of the Standard; the pages replaced should be kept for reference.

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Technical Committee on Wiring Products

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C22.2 No. 34-M1987

Electrode Receptacles, Fittings, and Connectors for Gas Tubes

1. Scope

This Standard applies to

- (a) electrode receptacles and fittings for mounting gas tubes intended for indoor and outdoor applications operating at voltages of 15 000 V and less but not exceeding 7 500 V to ground for use in accordance with the rules of the *Canadian Electrical Code, Part I*;
- (b) connectors that are intended to enclose the ends of gas tube electrodes and to provide a connection to the secondary voltage supply.

2. Definitions

2.1

The following definitions apply in this Standard:

Bonding — a low impedance path obtained by permanently joining all non-current-carrying metal parts to assure electrical continuity and have the capacity to conduct safely any current likely to be imposed on it.

Bonding conductor — a conductor that connects the non-current-carrying parts of electrical equipment, raceways, or enclosures to the system grounding conductor.

Collar ferrule — the portion of a standard housing to be used solely as a mounting means inside a sign enclosure.

Pendent type receptacle — a receptacle housing intended to be mounted to the end of the gas tube without any other direct support.

3. General Requirements

3.1

General requirements applicable in this Standard are given in CSA Standard C22.2 No. 0.

3.2 Reference Publications

3.2.1

Where reference is made to CSA Standards of the CE Code, Parts I and II, such references shall be considered to refer to the latest edition and revision thereto. This Standard refers to the following such Standards and the year dates shown indicate the latest edition available at the time of printing:

CSA Standards

- C22.1-1986,
Canadian Electrical Code, Part I;
- C22.2 No. 0-M1982,
General Requirements — Canadian Electrical Code,
Part II;
- C22.2 No. 0.6-M1982,
Flammability Testing of Polymeric Materials;
- C22.2 No. 65-1956 (R1965);
Wire Connectors.

3.2.2*

Where reference is made to the following publication, such reference shall be considered to refer to that edition listed below:

ASTM Standard

- D495-1973 (Reapproved 1979)
High-Voltage, Low-Current, Dry Arc Resistance of
Solid Electrical Insulation.

*Effective Date — March 31, 1992

4. Construction

4.1 General

Components that are covered by other CE Code, Part II Standards shall be suitable for the intended application and shall

- (a) be approved; or
- (b) comply with those requirements of the component Standard which are pertinent to the intended application when investigated as an integral part of the device.