CSA Group

CSA C22.2 No. 182.2:M87

National Standard of Canada

(reaffirmed 2019)

Industrial Locking Type, Special Use Attachment Plugs, Receptacles, and Connectors

Standards Council of Canada
Conseil canadien des normes

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Revision History

CSA C22.2 No. 182.2:M87, Industrial Locking Type, Special Use Attachment Plugs, Receptacles, and Connectors

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Industrial Locking Type, Special Use Attachment Plugs, Receptacles, and Connectors

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Preface

This is the first edition of No. 182.2 of a series of Standards issued by the Canadian Standards Association under Part II of the Canadian Electrical Code. It is written in SI (metric) units.

This Standard applies to locking type plugs, receptacles, equipment power inlets and outlets, and connectors rated up to 60 A and up to 600 V ac or 250 V dc, for use in accordance with the Canadian Electrical Code, Part I.

This standard also applies to "hospital only" locking type plugs, connectors, and receptacles.

For general information on the Standards of the Canadian Electrical Code, Part II, see the preface of CSA Standard C22.2 No. 0, General Requirements—Canadian Electrical Code, Part II.

This Standard was prepared by a Subcommittee of the Technical Committee on Wiring Products under the jurisdiction of the Standards Steering Committee on Canadian Electrical Code, Part II, and was formally approved by these Committees.

December 1987

Notes:

(1) *Use of the masculine gender in this Standard is not meant to exclude the feminine gender when applied to persons. Similarly, 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 user of the Standard to judge its suitability for his particular purpose.*

(3) *CSA Standards are subject to periodic review, and suggestions for their improvement will be referred to the appropriate committee.*

(4) *All enquiries regarding this Standard, including requests for interpretation, should be addressed to Canadian Standards Association, Standards Division, 178 Rexdale Boulevard, Rexdale, Ontario M9W 1R3.*

Requests for interpretation should

(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) be phrased where possible to permit a specific "yes" or "no" answer.

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Publication Date—December 31, 1987 (ie, the date on or after which this Standard may, at the discretion of the applicant, be used for certification).

Effective Date—December 31, 1987* (ie, the date on which this Standard shall be applicable to equipment being submitted for certification and to equipment already certified and manufactured on or after that date).

**Unless otherwise noted in the text or General Instruction.*

C22.2 No. 182.2-M1987
Industrial Locking Type, Special Use Attachment Plugs, Receptacles, and Connectors

1. Scope

1.1
This Standard applies to locking type plugs, receptacles, equipment power inlets and outlets, and connectors rated up to 60 A and up to 600 V ac or 250 V dc, for use in accordance with the Canadian Electrical Code, Part I.

1.2
The devices covered by this Standard are intended for use with copper conductors only in making readily detachable electrical connections utilizing a variety of current and voltage ratings.

1.3
This Standard also applies to "hospital only", locking type plugs, connectors, and receptacles.

1.4
This Standard does not apply to
(a) pull-off plugs covered in CSA Standard C22.2 No. 57;
(b) receptacles, attachment plugs, connectors, and adapters intended for use in hazardous locations that are covered in CSA Standard C22.2 No. 159;
(c) general use attachment plugs, receptacles, and similar wiring devices covered in CSA Standard C22.2 No. 42; and
(d) industrial type, special use attachment plugs, receptacles, equipment power inlets and outlets and connectors covered in CSA Standard C22.2 No. 182.1; or
(e) special use attachment plugs, receptacles, equipment power inlets and outlets, and connectors covered in CSA Standard C22.2 No. 182.3.

2. Definitions

2.1
The following definitions apply in this Standard:

Attachment plug—a male contact device for the readily detachable connection of a flexible cord or cable to receptacles, connectors, flanged equipment power outlets, etc.

Contact device—a device, either male or female, intended for readily making or interrupting manually, in conjunction with its mating counterpart, the connection between a supply and a load.

Cord connector—a female contact device used in making a detachable connection to an attachment plug or to a flanged equipment power inlet.

Cord grip—a device by means of which the flexible cord entering a device is gripped in order to relieve the terminals from tension applied to the cord.

Device—a unit of an electrical system that is intended to carry, but not utilize, electrical energy.

Elastomer—a macromolecular material that at room temperature returns rapidly to approximately its initial dimensions and shape after substantial deformation by a weak stress and release of the stress.

Flanged equipment power inlet—a male contact device designed for permanent flush mounting on utilization equipment and intended to supply power to that equipment by insertion of a cord connector.

Flanged equipment power outlet—a female contact device designed for permanent flush mounting on utilization equipment and intended to supply power to other equipment by insertion of an attachment plug.