



**CSA C22.2 No. 298:16**  
National Standard of Canada  
*(reaffirmed 2020)*



## High voltage couplers



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# *Revision History*

## CSA C22.2 No. 298:16, High voltage couplers

Update No. 1 — August 2019	Revision symbol (in margin)
<a href="#">Preface</a> Tables <a href="#">5</a> and <a href="#">7</a>	①

National Standard of Canada — December 2020
Outside front cover, National Standard of Canada text, title page, and preface.

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*CSA C22.2 No. 298:16*  
*February 2016*

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# *National Standard of Canada*

## *CSA C22.2 No. 298:16 High voltage couplers*



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*Published in February 2016 by CSA Group  
A not-for-profit private sector organization  
178 Rexdale Boulevard, Toronto, Ontario, Canada M9W 1R3*

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*ICS 29.120.30  
ISBN 978-1-4883-0080-6*

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# ① Preface

This is the first edition of CSA C22.2 No. 298, *High voltage couplers*. It is one of a series of Standards issued by CSA Group under Part II of the *Canadian Electrical Code*.

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 High Voltage Couplers, 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.

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.

**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 CSA committee interpretation has not already been published, CSA Group'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.*
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  - b) *provide an explanation of circumstances surrounding the actual field condition; and*
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  - a) *Standard designation (number);*
  - b) *relevant clause, table, and/or figure number;*
  - c) *wording of the proposed change;*
  - d) *rationale for the change.*

# CSA C22.2 No. 298:16

## High voltage couplers

### 1 Scope

#### 1.1

This Standard applies to locking-type, pin and sleeve type plugs, receptacles, power inlets, and connectors and associated integrated accessories (i.e., junction box), rated up to 1,200 amperes (for single- and multi-pole) and above 750 V to 35 kV volts ac, 50/60 Hz and which shall have one or more pilot contacts for multi-pole configuration and above 750 V to 1000 V ac or dc for single pole configuration. These devices are intended to provide portable power from branch circuits, or are for direct connection to the branch circuit in accordance with the *Canadian Electrical Code, Part I*, using portable power cables with copper conductors, for use in either indoor or outdoor, nonhazardous locations.

#### 1.2

The products covered in this Standard are commonly, but not exclusively, used in the following applications:

- a) open pit mining;
- b) underground mining;
- c) tunneling;
- d) shore to ship power;
- e) portable power equipment;
- f) general industrial use; and
- g) drilling.

#### 1.3

This Standard does not apply to

- a) products covered in CSA C22.2 No. 182.1;
- b) products intended for use in hazardous (classified) locations; and
- c) devices intended to be separated or connected under load.

#### 1.4

The values given in SI units are the units of record for the purposes of this Standard. The values given in parentheses are for information and comparison only.

#### 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.