



**CSA C22.2 No. 286:23**  
National Standard of Canada



# Industrial control panels and assemblies



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<b>M. Smith</b>	Kitchener, Ontario, Canada <i>Category: General Interest</i>	<i>Chair</i>
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<b>C. Lee</b>	CSA Group, Toronto, Ontario, Canada	<i>Project Manager</i>

# Integrated Committee on Industrial Control

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<b>R. Dahal</b>	Eaton, Burlington, Ontario, Canada	
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<b>V. V. Gagachev</b>	Eaton, Burlington, Ontario, Canada	
<b>T. George</b>	Omron Management Center of America, Hoffman Estates, Illinois, USA	
<b>C. A. Goetz</b>	Siemens Industry, Inc., Elk Grove Village, Illinois, USA	
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---

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<b>J. R. Kovacik</b>	Underwriters Laboratories Inc., Northbrook, Illinois, USA	
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<b>H. Yang</b>	Rockwell Automation Canada, Cambridge, Ontario, Canada	
<b>L. Tiracchia</b>	CSA Group, Toronto, Ontario, Canada	<i>Project Manager</i>

# Preface

This is the third edition of CSA C22.2 No. 286, *Industrial control panels and assemblies*, one of a series of Standards issued by CSA Group under Part II of the *Canadian Electrical Code*. It supersedes the previous editions published in 2017 and 2015.

The major changes to this edition include

- a) expansion of requirements for connection means;
- b) additional requirements for ferrules and pigtail adapters;
- c) clarifications for requirements for Class 2 (non-safety control devices) components;
- d) additional compliance criteria for panels and assemblies for use outside of the assumed 0–40° C ambient range;
- e) expansion of the short-circuit current rating (SCCR) determination criteria;
- f) revisions to required SCCR markings;
- g) removal of motor control centre requirements; and
- h) addition of strain relief and abnormal operations tests.

In addition, numerous edits have been performed throughout the document to provide additional information and clarify certain requirements.

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

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 Industrial Control 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.

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.

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**Notes:**

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