



CSA C22.2 No. 0.5:16

National Standard of Canada

(reaffirmed 2020)



Threaded conduit entries



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Revision History

CSA C22.2 No. 0.5:16, Threaded conduit entries

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

Standards Update Service

CSA C22.2 No. 0.5:16 January 2016

Title: *Threaded conduit entries*

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

*To purchase standards and related publications, visit our Online Store at store.csagroup.org
or call toll-free 1-800-463-6727 or 416-747-4044.*

*ICS 29.120.10
ISBN 978-1-4883-0206-0*

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Preface

This is the third edition of CSA C22.2 No. 0.5, *Threaded conduit entries*. It supersedes the previous editions published in 1982 and 1979.

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*

Changes in this edition from the previous edition include the addition of metric threads as an option and updating the threaded length requirements in accordance with the 2015 edition of the *Canadian Electrical Code, Part I*, Sections 18 and J18.

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 Threaded Conduit Entries under the jurisdiction of the Technical Committee on General Requirements, CE Code, Part II and the Strategic Steering Committee on Requirements for Electrical Safety and has been formally approved by this 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 committee interpretation has not already been published, CSA's procedures for interpretation shall be followed to determine the intended safety principle."

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- 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 user of the Standard to judge its suitability for his 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.*
- 4) *To submit a request for interpretation of this Standard, please send the following information to inquiries@csagroup.org and include "Request for interpretation" in the subject line:*
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 - b) *provide an explanation of circumstances surrounding the actual field condition; and*
 - c) *where possible, phrase the request in such a way that a specific "yes" or "no" answer will address the issue.*

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- 5) *This Standard is subject to review within five years from the date of publication and suggestions for its improvement will be referred to the appropriate committee. To submit a proposal for change, please send the following information to inquiries@csagroup.org and include "Proposal for change" in the subject line:*
- a) *Standard designation (number);*
 - b) *relevant clause, table, and/or figure number;*
 - c) *wording of the proposed change; and*
 - d) *rationale for the change.*

CSA C22.2 No. 0.5:16

Threaded conduit entries

1 Scope

1.1

This Standard applies to equipment for installation and use in accordance with the Rules of the *Canadian Electrical Code, Part I*, other than conduit couplings.

1.2

This Standard includes basic construction and inspection requirements for the threaded entry for conduit into an electrical enclosure in order to assure the following:

- a) The adequacy of a grounding path provided by rigid metal conduit in accordance with the Rules of the *Canadian Electrical Code, Part I*; and
- b) That threaded conduit entries are unlikely to cause damage to the insulation of conductors that are installed in a raceway of rigid metal conduit in accordance with the Rules of the *Canadian Electrical Code, Part I*.

Note: In Clause [1.2](#) the word "enclosure" is used to include a variety of structures with an enclosing function, whether constituting part of a raceway or an enclosure (of a switch, for example).

1.3

This Standard does not include requirements for construction material, design proportions, protection against corrosion, and other matters that are more appropriately included in the scope of individual Standards applicable to specific equipment.

1.4

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.

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 and where such reference is made it shall be to that edition of such Publication as is listed below: