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CSA C61869-2:14
(IEC 61869-2:2012, MOD)
National Standard of Canada
Norme nationale du Canada
(reaffirmed/confirmée en 2019)

CSA C61869-2:14
Instrument transformers — Part 2: Additional requirements for current transformers
(IEC 61869-2:2012, MOD)

CSA C61869-2:14
Transformateurs de mesure — Partie 2 : Exigences supplémentaires concernant les transformateurs de courant
(IEC 61869-2:2012, MOD)

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Revision History

CSA C61869-2:14, Instrument transformers — Part 2: Additional requirements for current transformers

Errata — December 2020	**Revision symbol (in margin)**
Figure 201B	Δ

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Clauses 5.204.2 Table 10 Figure 201B	Δ

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(IEC 61869-2:2012, MOD)

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CSA Preface

This is the first edition of CAN/CSA-C61869-2, *Instrument transformers — Part 2: Additional requirements for current transformers*, which is an adoption, with Canadian deviations, of the identically titled IEC (International Electrotechnical Commission) Standard 61869-2:2012 (Edition 1.0:2012). Together with CAN/CSA-C61869-1, it supersedes CAN/CSA-C60044-1, *Instrument transformers — Part 1: Current transformers,* which was published in 2007.

For brevity, this Standard will be referred to as "CAN/CSA-C61869-2" throughout.

This Standard is part of the C61869 series of standards on instrument transformers, which consists of adoptions with Canadian deviations of the IEC 61869 series of standards. The IEC 61869 series restructures and updates the previous IEC 60044 series of standards. Requirements common to a variety of instrument transformer types are grouped in CAN/CSA-C61869-1; the remaining standards in the series state requirements for specific types of instrument transformers.

This Standard was reviewed for Canadian adoption by the CSA Technical Committee on Instrument Transformers, under the jurisdiction of the CSA Strategic Steering Committee on Power Engineering and Electromagnetic Compatibility, 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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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.*

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INSTRUMENT TRANSFORMERS –

Part 2: Additional requirements for Current Transformers

1 Scope

This part of IEC 61869 is applicable to newly manufactured inductive current transformers for use with electrical measuring instruments and/or electrical protective devices having rated frequencies from 15 Hz to 100 Hz.

2 Normative references

Clause 2 of IEC 61869-1:2007 is applicable with the following additions:

IEC 61869-1:2007, *Instrument Transformers – Part 1: General requirements*

3 Terms and definitions

For the purposes of this document, the terms and definitions of IEC 61869-1:2007 apply with the following additions:

3.1 General definitions

3.1.201
current transformer
instrument transformer in which the secondary current, under normal conditions of use, is substantially proportional to the primary current and differs in phase from it by an angle which is approximately zero for an appropriate direction of the connections

[SOURCE: IEC 60050-321:1986, 321-02-01]

3.1.202
measuring current transformer
current transformer intended to transmit an information signal to measuring instruments and meters

[SOURCE: IEC 60050-321:1986, 321-02-18]

3.1.203
protective current transformer
a current transformer intended to transmit an information signal to protective and control devices

[SOURCE: IEC 60050-321: 1986, 321-02-19)

3.1.204
class P protective current transformer
protective current transformer without remanent flux limit, for which the saturation behaviour in the case of a symmetrical short-circuit is specified

3.1.205
class PR protective current transformer
protective current transformer with remanent flux limit, for which the saturation behaviour in the case of a symmetrical short-circuit is specified