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**Merilni transformatorji - 14. del: Dodatne zahteve za tokovne transformatorje za enosmerno napajanje (IEC 61869-14:2018)**

Instrument transformers - Part 14: Additional requirements for current transformers for DC applications (IEC 61869-14:2018)

Messwandler - Teil 14: Besondere Anforderungen für Gleichstromwandler (IEC 61869-14:2018)

Transformateurs de mesure - Partie 14: Exigences supplémentaires concernant les transformateurs de courant pour application en courant continu (IEC 61869-14:2018)

**Ta slovenski standard je istoveten z: EN IEC 61869-14:2019**

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**ICS:**

17.220.20	Merjenje električnih in magnetnih veličin	Measurement of electrical and magnetic quantities
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**SIST EN IEC 61869-14:2019****en**

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EUROPEAN STANDARD

EN IEC 61869-14

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2019

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English Version

## Instrument transformers - Part 14: Additional requirements for current transformers for DC applications (IEC 61869-14:2018)

Transformateurs de mesure - Partie 14: Exigences supplémentaires concernant les transformateurs de courant pour application en courant continu  
(IEC 61869-14:2018)

Messwandler - Teil 14: Besondere Anforderungen für Gleichstromwandler  
(IEC 61869-14:2018)

This European Standard was approved by CENELEC on 2018-08-21. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

**EN IEC 61869-14:2019 (E)****European foreword**

The text of document 38/560/FDIS, future edition 1 of IEC 61869-14, prepared by IEC/TC 38 "Instrument transformers" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61869-14:2019.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2020-01-05
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-07-05

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This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For the relationship with EU Directive(s) see informative Annex ZZ, which is an integral part of this document.

**Endorsement notice**

The text of the International Standard IEC 61869-14:2018 was approved by CENELEC as a European Standard without any modification.

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cenelec.eu](http://www.cenelec.eu).

Clause 2 of IEC 61869-6:2016 is applicable, with the following additions and modifications:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC/TS 60815-4	2019	Selection and dimensioning of high-voltage - insulators intended for use in polluted conditions - Part 4: Insulators for d.c. systems		-
IEC/TS 61245:2015	2015	Artificial pollution tests on high-voltage - ceramic and glass insulators to be used on d.c. systems		-
IEC 61869-6	2016	Instrument transformers - Part 6: Additional general requirements for low-power instrument transformers	EN 61869-6	2016
IEC 61869-9	2016	Instrument transformers - Part 9: Digital interface for instrument transformers	EN IEC 61869-9	2019

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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



**Instrument transformers –**

**Part 14: Additional requirements for current transformers for DC applications**

**Transformateurs de mesure –**

**Partie 14: Exigences supplémentaires concernant les transformateurs de courant pour application en courant continu**

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## CONTENTS

FOREWORD.....	4
INTRODUCTION.....	7
1 Scope.....	11
2 Normative references .....	11
3 Terms and definitions .....	11
5 Ratings.....	16
6 Design and construction .....	20
7 Tests .....	25
Annex 14A (informative) Equivalent thermal current in CTs for DC application.....	37
14A.1 General.....	37
14A.2 Current harmonic content.....	37
14A.3 Losses in primary conductor due to harmonic content .....	38
14A.4 Thermal test with AC current.....	40
Annex 14B (informative) Proposed rated insulation level applicable to current transformers for DC application.....	41
Bibliography.....	42
Figure 1401 – Example of LCC scheme .....	7
Figure 1402 – Typical scheme for VSC – symmetrical monopole.....	8
Figure 1403 – Typical scheme for VSC – asymmetrical monopole or bipole .....	9
Figure 1404 – Typical step responses of a system .....	14
Figure 1405 – Accuracy limits of a DCCT .....	19
Figure 1406 – Polarity reversal test profile.....	30
Figure 1407 – Measurement of the step response time .....	32
Figure 14A.1 – Typical waveform of current flowing in the primary conductor for LCC applications .....	37
Figure 14A.2 – The two terms that make up the total losses in the primary conductor .....	39
Figure 14A.3 – Additional losses in conductors due to typical current harmonics .....	40
Figure 14A.4 – Power-frequency losses in conductors compared to DC losses .....	40
Table 1401 – Current and voltage in current transformers for LCC application .....	8
Table 1402 – Current and voltage in current transformers for VSC application.....	10
Table 3 – Partial discharge test voltages and permissible levels .....	17
Table 1403 – Limits of ratio error for DCCT (classes from 0,1 to 1).....	19
Table 7 – Static withstand test loads.....	21
Table 8 – Arc fault duration and performance criteria .....	22
Table 1404 – Markings of terminals .....	23
Table 1405 – Rating plate marking for common rating plate .....	24
Table 1406 – Rating plate marking for each secondary converter .....	24
Table 1407 – Rating plate marking for auxiliary power supply .....	25



Table 10 – List of tests.....	26
Table 14A.1 – Typical harmonic current values (800 kV LCC).....	38
Table 14B.1 – Proposed rated primary terminal insulation levels for current transformers for DC application.....	41

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**INSTRUMENT TRANSFORMERS –****Part 14: Additional requirements for current transformers for DC applications**

## FOREWORD

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International Standard IEC 61869-14 has been prepared by IEC technical committee 38: Instrument transformers.

The text of this standard is based on the following documents:

FDIS	Report on voting
38/560/FDIS	38/565/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 61869 series, published under the general title *Instrument transformers*, can be found on the IEC website.

This Part 14 is to be used in conjunction with, and is based on, IEC 61869-1:2007, *General requirements*, and IEC 61869-6:2016, *Additional general requirements for low-power instrument transformers* – however the reader is encouraged to use the most recent editions.

This Part 14 follows the structure of IEC 61869-1:2007 and IEC 61869-6:2016 and supplements or modifies their corresponding clauses.

When a subclause of Part 1 or Part 6 is not mentioned in this Part 14, that subclause applies. When this standard states “addition”, “modification” or “replacement”, the relevant text in Part 1 or Part 6 is to be adapted accordingly.

For additional clauses, subclauses, figures, tables, annexes or notes, the following numbering system is used:

- clauses, subclauses, tables, figures and notes that are numbered starting from 1401 are additional to those in Part 1 and Part 6;
- additional annexes are lettered 14A, 14B, etc.

An overview of the planned set of standards at the date of publication of this document is given below. The updated list of standards issued by IEC TC 38 is available at the website: [www.iec.ch](http://www.iec.ch)

PRODUCT FAMILY STANDARDS	PRODUCT STANDARD	PRODUCTS	OLD STANDARD	
<b>61869-1</b> GENERAL REQUIREMENTS	61869-2	ADDITIONAL REQUIREMENTS FOR CURRENT TRANSFORMERS	60044-1 60044-6	
	61869-3	ADDITIONAL REQUIREMENTS FOR INDUCTIVE VOLTAGE TRANSFORMERS	60044-2	
	61869-4	ADDITIONAL REQUIREMENTS FOR COMBINED TRANSFORMERS	60044-3	
	61869-5	ADDITIONAL REQUIREMENTS FOR CAPACITIVE VOLTAGE TRANSFORMERS	60044-5	
	<b>61869-6</b> ADDITIONAL GENERAL REQUIREMENTS FOR LOW-POWER INSTRUMENT TRANSFORMERS	61869-7	ADDITIONAL REQUIREMENTS FOR ELECTRONIC VOLTAGE TRANSFORMERS	60044-7
		61869-8	ADDITIONAL REQUIREMENTS FOR ELECTRONIC CURRENT TRANSFORMERS	60044-8
		61869-9	DIGITAL INTERFACE FOR INSTRUMENT TRANSFORMERS	
		61869-10	ADDITIONAL REQUIREMENTS FOR LOW-POWER PASSIVE CURRENT TRANSFORMERS	
		61869-11	ADDITIONAL REQUIREMENTS FOR LOW-POWER PASSIVE VOLTAGE TRANSFORMERS	60044-7
		61869-12	ADDITIONAL REQUIREMENTS FOR COMBINED ELECTRONIC INSTRUMENT TRANSFORMER OR COMBINED LOW-POWER PASSIVE TRANSFORMERS	
		61869-13	STAND ALONE MERGING UNIT	
		61869-14	ADDITIONAL REQUIREMENTS FOR CURRENT TRANSFORMERS FOR DC APPLICATIONS	
		61869-15	ADDITIONAL REQUIREMENTS FOR VOLTAGE TRANSFORMERS FOR DC APPLICATIONS	

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
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