

STN	Prístrojové transformátory Časť 20: Požiadavky na bezpečnosť prístrojových transformátorov pre vysokonapäťové aplikácie	STN EN IEC 61869-20 35 1309
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Instrument transformers - Part 20: Safety requirements of instrument transformers for high voltage applications

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 08/25

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EUROPEAN STANDARD
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EUROPÄISCHE NORM

EN IEC 61869-20

May 2025

ICS 17.220.20

English Version

**Instrument transformers - Part 20: Safety requirements of
instrument transformers for high voltage applications
(IEC 61869-20:2025)**

Transformateurs de mesure - Partie 20 : Exigences de
sécurité des transformateurs de mesure pour applications à
haute tension
(IEC 61869-20:2025)

Messwandler - Teil 20: Sicherheitsanforderungen von
Messwandlern für Hochspannungsanwendungen
(IEC 61869-20:2025)

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EN IEC 61869-20:2025 (E)**European foreword**

The text of document 38/808/FDIS, future edition 1 of IEC 61869-20, prepared by TC 38 "Instrument Transformers" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61869-20:2025.

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IEC 60695-1-10	NOTE	Approved as EN 60695-1-10
IEC 60695-1-11	NOTE	Approved as EN 60695-1-11
IEC 60695-7-1	NOTE	Approved as EN 60695-7-1
IEC 60947-2	NOTE	Approved as EN IEC 60947-2
IEC 60947-7-1	NOTE	Approved as EN 60947-7-1

Annex ZA (normative)

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

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60529	-	Degrees of protection provided by enclosures (IP Code)	EN 60529	-
IEC/TS 60815-1	-	Selection and dimensioning of high-voltage insulators intended for use in polluted conditions - Part 1: Definitions, information and general principles	-	-
IEC 61869-1	-	Instrument transformers - Part 1: General requirements	EN IEC 61869-1	-
IEC 61869-99	-	Instrument transformers - Part 99: Glossary	EN IEC 61869-99	-
IEC 62262	-	Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)	EN 62262	-



IEC 61869-20

Edition 1.0 2025-04

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Instrument transformers –
Part 20: Safety requirements of instrument transformers for high voltage
applications**

**Transformateurs de mesure –
Partie 20: Exigences de sécurité des transformateurs de mesure pour
applications à haute tension**



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IEC 61869-20

Edition 1.0 2025-04

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Instrument transformers –
Part 20: Safety requirements of instrument transformers for high voltage
applications**

**Transformateurs de mesure –
Partie 20: Exigences de sécurité des transformateurs de mesure pour
applications à haute tension**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

INSTRUMENT TRANSFORMERS –

Part 20: Safety requirements of instrument transformers for high voltage applications

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IEC 61869-20 has been prepared by IEC technical committee 38: Instrument Transformers. It is an International Standard.

The text of this International Standard is based on the following documents:

Draft	Report on voting
38/808/FDIS	38/814/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

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- reconfirmed,
- withdrawn, or
- revised.

INSTRUMENT TRANSFORMERS –

Part 20: Safety requirements of instrument transformers for high voltage applications

1 Scope

This part of IEC 61869 specifies the requirements for the safe design, operation and tests for the safety of instrument transformers whose highest voltage for equipment is higher than 1 kV AC or 1,5 kV DC.

Low-power instrument transformers are not covered by this document.

NOTE The possibility of including additional safety requirements, specific to low-power instrument transformers, is currently under consideration.

2 Normative references

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.

IEC 60529, *Degrees of protection provided by enclosures (IP Code)*

IEC TS 60815-1, *Selection and dimensioning of high-voltage insulators intended for use in polluted conditions – Part 1: Definitions, information and general principles*

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

IEC 61869-99, *Instrument transformers – Part 99: Glossary*

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