

SLOVENSKI STANDARD

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Visokonapetostne stikalne in krmilne naprave - 202. del: Montažne postaje AC za naznačene napetosti nad 1 kV do vključno 52 kV (IEC 62271-202:2022)

High-voltage switchgear and controlgear - Part 202: AC prefabricated substations for rated voltages above 1 kV and up to and including 52 kV (IEC 62271-202:2022)

Hochspannungs-Schaltgeräte und -Schaltanlagen - Teil 202: Fabrikfertige Wechselstrom-Stationen für Bemessungsspannungen über 1 kV bis einschließlich 52 kV (IEC 62271-202:2022)

Appareillage à haute tension - Partie 202: Postes préfabriqués pour courant alternatif de tensions assignées supérieures à 1 kV et inférieures ou égales à 52 kV (IEC 62271-202:2022)

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High-voltage switchgear and controlgear - Part 202: AC
prefabricated substations for rated voltages above 1 kV and up
to and including 52 kV
(IEC 62271-202:2022)

Appareillage à haute tension - Partie 202: Postes
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Hochspannungs-Schaltgeräte und -Schaltanlagen -
Teil 202: Fabrikfertige Wechselstrom-Stationen für
Bemessungsspannungen über 1 kV bis einschließlich 52 kV
(IEC 62271-202:2022)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 62271-202:2022 (E)**European foreword**

The text of document 17C/843/FDIS, future edition 3 of IEC 62271-202, prepared by SC 17C "Assemblies" of IEC/TC 17 "High-voltage switchgear and controlgear" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62271-202:2022.

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- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2025-07-27

This document supersedes EN 62271-202:2014 and all of its amendments and corrigenda (if any).

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The text of the International Standard IEC 62271-202:2022 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 61936-1:2021	NOTE	Harmonized as EN IEC 61936-1:2021 (not modified)
IEC 60059:1999	NOTE	Harmonized as EN 60059:1999 (not modified)
IEC 60076 (series)	NOTE	Harmonized as EN 60076 (series)
IEC 62271-4:2013	NOTE	Harmonized as EN 62271-4:2013 (not modified)
IEC 60364-4-41:2005	NOTE	Harmonized as HD 60364-4-41:2017 + A11:2017
IEC 60721-3-2:2018	NOTE	Harmonized as EN IEC 60721-3-2:2018 (not modified)
IEC 60068 (series)	NOTE	Harmonized as EN 60068 (series)
IEC/TR 62271-208:2009	NOTE	Harmonized as CLC/TR 62271-208:2010 (not modified)
IEC 60243-1:2013	NOTE	Harmonized as EN 60243-1:2013 (not modified)
ISO 9223	NOTE	Harmonized as EN ISO 9223

ISO 9224	NOTE	Harmonized as EN ISO 9224
IEC 60721-2-6:1990	NOTE	Harmonized as HD 478.2.6 S1:1993 (not modified)
IEC/IEEE 82079-1:2019	NOTE	Harmonized as EN IEC/IEEE 82079-1:2020 (not modified)
ISO 13732-1:2006	NOTE	Harmonized as EN ISO 13732-1:2008 (not modified)
IEC 62430:2019	NOTE	Harmonized as EN IEC 62430:2019 (not modified)
ISO 1460	NOTE	Harmonized as EN ISO 1460
ISO 1461	NOTE	Harmonized as EN ISO 1461
ISO 2081	NOTE	Harmonized as EN ISO 2081
ISO 2409	NOTE	Harmonized as EN ISO 2409
ISO 9227	NOTE	Harmonized as EN ISO 9227
ISO 11997 (series)	NOTE	Harmonized as EN ISO 11997 (series)
ISO 7784 (series)	NOTE	Harmonized as EN ISO 7784 (series)
ISO 12944 (series)	NOTE	Harmonized as EN ISO 12944 (series)
IEC 60865-1:2011	NOTE	Harmonized as EN 60865-1:2012 (not modified)
IEC 60076-3	NOTE	Harmonized as EN 60076-3
IEC 61869 (series)	NOTE	Harmonized as EN IEC 61869 (series)

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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-441	-	International Electrotechnical Vocabulary. Switchgear, controlgear and fuses	-	-
IEC 60050-461	2008	International Electrotechnical Vocabulary - Part 461: Electric cables	-	-
IEC 60068-2-5	2018	Environmental testing - Part 2-5: Tests - Test S: Simulated solar radiation at ground level and guidance for solar radiation testing and weathering	EN IEC 60068-2-5	2018
IEC 60071-1	2019	Insulation co-ordination - Part 1: Definitions, principles and rules	EN IEC 60071-1	2019
IEC 60076-1	2011	Power transformers - Part 1: General	EN 60076-1	2011
IEC 60076-2	2011	Power transformers - Part 2: Temperature rise for liquid-immersed transformers	EN 60076-2	2011
IEC 60076-5	2006	Power transformers - Part 5: Ability to withstand short circuit	EN 60076-5	2006
IEC 60076-7	2018	Power transformers - Part 7: Loading guide for mineral-oil-immersed power transformers	-	-
IEC 60076-10	2016	Power transformers - Part 10: Determination of sound levels	EN 60076-10	2016
IEC 60076-11	2018	Power transformers - Part 11: Dry-type transformers	EN IEC 60076-11	2018
IEC 60076-12	2008	Power transformers - Part 12: Loading guide for dry-type power transformers	-	-
IEC 60529	1989	Degrees of protection provided by enclosures (IP Code)	EN 60529	1991
-	-		+ corrigendum	May 1993
+ A1	1999		+ A1	2000
+ A2	2013		+ A2	2013

EN IEC 62271-202:2022 (E)

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60664-1	2020	Insulation coordination for equipment within low-voltage supply systems - Part 1: Principles, requirements and tests	EN IEC 60664-1	2020
IEC 60721-1	1990	Classification of environmental conditions - Part 1: Environmental parameters and their severities	EN 60721-1	1995
+ A1	1992		-	-
+ A2	1995		+ A2	1995
IEC 60721-2-2	2012	Classification of environmental conditions - Part 2-2: Environmental conditions appearing in nature - Precipitation and wind	EN 60721-2-2	2013
IEC 60721-2-4	2018	Classification of environmental conditions - Part 2-4: Environmental conditions appearing in nature - Solar radiation and temperature	EN IEC 60721-2-4	2018
-	-		+ AC	2018-12
IEC 60721-3-4	-	Classification of environmental conditions - Part 3-4: Classification of groups of environmental parameters and their severities - Stationary use at non-weatherprotected locations	EN IEC 60721-3-4	-
IEC/TS 60815-1	2008	Selection and dimensioning of high-voltage insulators intended for use in polluted conditions - Part 1: Definitions, information and general principles	-	-
IEC 60947-1	-	Low-voltage switchgear and controlgear - Part 1: General rules	EN IEC 60947-1	-
IEC 61180-1	1992 ¹	High-voltage test techniques for low-voltage equipment -- Part 1: Definitions, test and procedure requirements	-	-
IEC 61439	series	Low-voltage switchgear and controlgear assemblies	EN IEC 61439	series
IEC 61439-1	2020	Low-voltage switchgear and controlgear assemblies - Part 1: General rules	EN IEC 61439-1	2021
IEC 62262	2002	Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)	EN 62262	2002
IEC 62271-1	2017	High-voltage switchgear and controlgear - Part 1: Common specifications for alternating current switchgear and controlgear	EN 62271-1	2017
IEC 62271-200	2021	High-voltage switchgear and controlgear - Part 200: AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV	EN IEC 62271-200	2021

¹ This publication has been partially replaced with IEC 61180:2016.

EN IEC 62271-202:2022 (E)

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62271-201	2014	High-voltage switchgear and controlgear - Part 201: AC solid-insulation enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV	EN 62271-201	2014
IEC 62271-212	2016	High-voltage switchgear and controlgear - Part 212: Compact Equipment Assembly for Distribution Substation (CEADS)	EN 62271-212	2017
ISO 1182	2010	Reaction to fire tests for products - Non-combustibility tests	-	-
ISO 1716	2018	Reaction to fire tests for products - Determination of the gross heat of combustion (calorific value)	EN ISO 1716	2018
ISO 6508-1	2016	Metallic materials - Rockwell hardness test - Part 1: Test method	EN ISO 6508-1	2016
-	-	Hot rolled products of structural steels - Part 2: Technical delivery conditions for non-alloy structural steels	EN 10025-2	2019

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INTERNATIONAL STANDARD

NORME INTERNATIONALE



**High-voltage switchgear and controlgear –
Part 202: AC prefabricated substations for rated voltages above 1 kV and up to
and including 52 kV**

**Appareillage à haute tension –
Partie 202 : Postes préfabriqués pour courant alternatif de tensions assignées
supérieures à 1 kV et inférieures ou égales à 52 kV**

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