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**Visokonapetostne stikalne in krmilne naprave - 101. del: Sintetično preskušanje (IEC 62271-100:2021)**

High-voltage switchgear and controlgear - Part 101: Synthetic testing (IEC 62271-100:2021)

**iTeh STANDARD PREVIEW**

Hochspannungs-Schaltgeräte und -Schaltanlagen - Teil 101: Synthetische Prüfung (IEC 62271-100:2021)

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[SIST EN IEC 62271-101:2021](https://standards.itteh.ai/standards/iec/62271-101-2021)

Appareillage à haute tension - Partie 101: Essais synthétiques (IEC 62271-100:2021)

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**Ta slovenski standard je istoveten z: EN IEC 62271-101:2021**

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29.130.10	Visokonapetostne stikalne in krmilne naprave	High voltage switchgear and controlgear
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EUROPEAN STANDARD

**EN IEC 62271-100**

NORME EUROPÉENNE

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August 2021

ICS 29.130.10

Supersedes EN 62271-100:2009 and all of its  
amendments and corrigenda (if any)

English Version

**High-voltage switchgear and controlgear - Part 100: Alternating  
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(IEC 62271-100:2021)**Appareillage à haute tension - Partie 100: Disjoncteurs à  
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(IEC 62271-100:2021)Hochspannungs-Schaltgeräte und -Schaltanlagen - Teil  
100: Wechselstrom-Leistungsschalter  
(IEC 62271-100:2021)

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**EN IEC 62271-100:2021 (E)****European foreword**

The text of document 17A/1299/FDIS, future edition 3 of IEC 62271-100, prepared by SC 17A “Switching devices” of IEC/TC 17 “High-voltage switchgear and controlgear” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62271-100:2021.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2022-05-11 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2024-08-11 document have to be withdrawn

This document supersedes EN 62271-100:2009 and all of its amendments and corrigenda (if any).

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The text of the International Standard IEC 62271-100:2021 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 60137:2017 NOTE Harmonized as EN 60137:2017 (not modified)

IEC 62271-110 NOTE Harmonized as EN IEC 62271-110

IEC 60296 NOTE Harmonized as EN IEC 60296

IEC 60376 NOTE Harmonized as EN IEC 60376

IEC 60480 NOTE Harmonized as EN IEC 60480

## 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).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-151	2001	International Electrotechnical Vocabulary (IEV) - Part 151: Electrical and magnetic devices	-	-
+A1	2013			
+A2	2014			
+A3	2019			
+A4	2020			
IEC 60050-441	1984	International Electrotechnical Vocabulary (IEV) - Part 441: Switchgear, controlgear and fuses	-	-
+A1	2000			
IEC 60050-442	1998	International Electrotechnical Vocabulary (IEV) - Part 442: Electrical accessories	-	-
+A1	2015			
+A2	2015			
+A3	2019			
IEC 60050-461	2008	International Electrotechnical Vocabulary (IEV) - Part 461: Electric cables	-	-
IEC 60050-601	1985	International Electrotechnical Vocabulary (IEV) - Part 601: Generation, transmission and distribution of electricity - General	-	-
+A1	1998			
+A2	2020			
IEC 60050-614	2016	International Electrotechnical Vocabulary (IEV) - Part 614: Generation, transmission and distribution of electricity - Operation	-	-
IEC 60059	-	IEC standard current ratings	EN 60059	-
IEC 60060-1	-	High-voltage test techniques - Part 1: General definitions and test requirements	EN 60060-1	-

**EN IEC 62271-100:2021 (E)**

IEC 60255-151	2009	Measuring relays and protection equipment - Part 151: Functional requirements for over/under current protection	EN 60255-151	2009
IEC 60270	-	High-voltage test techniques - Partial discharge measurements	EN 60270	-
IEC 62271-1	2017	High-voltage switchgear and controlgear - Part 1: Common specifications for alternating current switchgear and controlgear	EN 62271-1	2017
IEC 62271-101	-	High-voltage switchgear and controlgear - Part 101: Synthetic testing	EN 62271-101	-
IEC 62271-102	2018	High-voltage switchgear and controlgear - Part 102: Alternating current disconnectors and earthing switches	EN IEC 62271-102	2018
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
IEC 62271-203	-	High-voltage switchgear and controlgear - Part 203: Gas-insulated metal-enclosed switchgear for rated voltages above 52 kV	EN 62271-203	-

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Edition 3.0 2021-07

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



High-voltage switchgear and controlgear –  
Part 100: Alternating-current circuit-breakers

Appareillage à haute tension –  
Partie 100: Disjoncteurs à courant alternatif

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