

STN P	Vysokonapäťové spínacie a riadiace zariadenia Časť 314: Jednosmerné odpájače a uzemňovacie spínače	STN P CLC IEC/TS 62271-314 35 4220
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High-voltage switchgear and controlgear - Part 314: Direct current disconnectors and earthing switches

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. 03/26

Obsahuje: CLC IEC/TS 62271-314:2025, IEC TS 62271-314:2024

142095



Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2026
Slovenská technická norma a technická normalizačná informácia je chránená zákonom č. 60/2018 Z. z. o technickej normalizácii v znení neskorších predpisov.

TECHNICAL SPECIFICATION
SPÉCIFICATION TECHNIQUE
TECHNISCHE SPEZIFIKATION

CLC IEC/TS 62271-314

December 2025

ICS 29.130.10

English Version

**High-voltage switchgear and controlgear - Part 314: Direct
current disconnectors and earthing switches
(IEC/TS 62271-314:2024)**

Appareillage haute tension - Partie 314: Sectionneurs à
courant continu et sectionneurs de terre à éléments
séparés
(IEC/TS 62271-314:2024)

Hochspannungs-Schaltgeräte und -Schaltanlagen - Teil
314: Gleichstrom-Trenn- und Erdungsschalter
(IEC/TS 62271-314:2024)

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CLC IEC/TS 62271-314:2025 (E)**European foreword**

This document (CLC IEC/TS 62271-314:2025) consists of the text of IEC/TS 62271-314:2024 prepared by IEC/TC 17 "High-voltage switchgear and controlgear".

This document is read in conjunction with CLC IEC/TS 62271-5:2025.

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

IEC 60507	NOTE	Approved as EN 60507
IEC 60447:2004	NOTE	Approved as EN 60447:2004 (not modified)
IEC 60060-1:2010	NOTE	Approved as EN 60060-1:2010 (not modified)
IEC 60071-1:2019	NOTE	Approved as EN IEC 60071-1:2019 (not modified)
IEC 60071-2:2023	NOTE	Approved as EN IEC 60071-2:2023 (not modified)
IEC 60633:2019	NOTE	Approved as EN IEC 60633:2019 (not modified)
IEC/IEEE 65700-19-03:2014	NOTE	Approved as EN IEC/IEEE 65700-19-03:2018 (not modified)
ISO 2768-1	NOTE	Approved as EN 22768-1
IEC 62271-102:2018	NOTE	Approved as EN IEC 62271-102:2018 (not modified)

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.cencenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-151	-	International Electrotechnical Vocabulary - Part 151: Electrical and magnetic devices	-	-
IEC 60050-441	-	International Electrotechnical Vocabulary. Switchgear, controlgear and fuses	-	-
IEC 60050-471	-	International Electrotechnical Vocabulary - Part 471: Insulators	-	-
IEC 60050-614	-	International Electrotechnical Vocabulary - Part 614: Generation, transmission and distribution of electricity - Operation	-	-
IEC 60071-11	2022	Insulation co-ordination - Part 11: Definitions, principles and rules for HVDC system	EN IEC 60071-11	2022
IEC 60529	1989	Degrees of protection provided by enclosures (IP Code)	EN 60529	1991
-	-		+ AC	1993
+ A1	1999		+ A1	2000
+ A2	2013		+ A2	2013
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
+ AMD1	2021		+ A1	2021
IEC TS 62271-5	2024	High-voltage switchgear and controlgear - Part 5: Common specifications for direct current switchgear and controlgear	CLC IEC/TS 62271-5	2025
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

CLC IEC/TS 62271-314:2025 (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 62271-203	2022	High-voltage switchgear and controlgear - Part 203: AC gas-insulated metal-enclosed switchgear for rated voltages above 52 kV	EN IEC 62271-203	2022



IEC TS 62271-314

Edition 1.0 2024-06

TECHNICAL SPECIFICATION

**High-voltage switchgear and controlgear –
Part 314: Direct current disconnectors and earthing switches**





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IEC TS 62271-314

Edition 1.0 2024-06

TECHNICAL SPECIFICATION

High-voltage switchgear and controlgear – Part 314: Direct current disconnectors and earthing switches

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

ICS 29.130.10

ISBN 978-2-8322-8938-9

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CONTENTS

FOREWORD	8
1 Scope	10
2 Normative references	10
3 Terms and definitions	11
3.1 General terms and definitions	11
3.2 Assemblies of switchgear and controlgear	11
3.3 Parts of assemblies	12
3.4 Switching devices	12
3.5 Parts of switchgear and controlgear	13
3.6 Operational characteristics of switchgear and controlgear	16
3.7 Characteristic quantities	18
3.8 Index of definitions	21
4 Normal and special service conditions	23
5 Ratings	23
5.1 General	23
5.2 Rated direct voltage (U_{rd})	24
5.3 Rated insulation level (U_{dd} , U_p , U_s)	24
5.4 Rated continuous current (I_{rd})	27
5.5 Rated values of short-time withstand current	27
5.5.1 Typical waveform of short-circuit current	27
5.5.2 Rated short-time withstand current (I_{kd})	27
5.5.3 Rated peak withstand current (I_{pd})	27
5.5.4 Rated duration of short circuit (t_{kd})	27
5.6 Rated supply voltage of auxiliary and control circuits (U_a)	27
5.7 Rated supply frequency of auxiliary circuits and control circuits	27
5.8 Rated pressure of compressed gas supply for controlled pressure systems	27
5.101 Rated contact zone	28
5.102 Rated static mechanical terminal load	28
5.103 Classification of disconnectors for mechanical endurance	29
5.104 Classification of earthing switches for mechanical endurance	30
5.105 Rated ice-coating	30
5.106 Rated cable discharge current making capability	30
6 Design and construction	31
6.1 Requirements for liquids in disconnectors and earthing switches	31
6.2 Requirements for gases in disconnectors and earthing switches	31
6.3 Earthing of disconnectors and earthing switches	31
6.4 Auxiliary and control equipment and circuits	31
6.5 Dependent power operation	31
6.6 Stored energy operation	31
6.7 Independent unlatched operation (independent manual or power operation)	32
6.8 Manually operated actuators	32
6.9 Operation of releases	32
6.10 Pressure/level indication	32
6.11 Nameplates	32
6.12 Locking devices	33

6.13	Position Indication	34
6.14	Degree of protection provided by enclosures	34
6.15	Creepage distances for outdoor insulators	34
6.16	Gas and vacuum tightness	34
6.17	Tightness for liquid systems	34
6.18	Fire hazard (flammability)	34
6.19	Electromagnetic compatibility (EMC)	34
6.20	X-ray emission	34
6.21	Corrosion	34
6.22	Filling levels for insulation, switching and/or operation	34
6.101	Particular requirements for earthing switches	35
6.102	Requirements in respect of the isolating distance of disconnectors	35
6.103	Mechanical strength	35
6.104	Operation of disconnectors and earthing switches – Position of the movable contact system and its indicating and signalling devices	35
6.104.1	Securing of position	35
6.104.2	Additional requirements for power-operated mechanisms	35
6.104.3	Indication and signalling of position	36
6.104.3.1	General requirements	36
6.104.3.2	Indication of position	37
6.104.3.3	Signalling of position by auxiliary contacts	37
6.105	Maximum force required for manual (dependent or independent) operation	37
6.105.1	General	37
6.105.2	Operation requiring more than one revolution	37
6.105.3	Operation requiring up to one revolution	37
6.106	Dimensional tolerances	37
6.107	Earthing switches with short-circuit making current capability	38
7	Type tests	38
7.1	General	38
7.1.1	Basics	38
7.1.2	Information for identification of test objects	39
7.1.3	Information to be included in type test reports	39
7.2	Dielectric tests	40
7.2.1	General	40
7.2.2	Ambient air conditions during tests	40
7.2.3	Wet test procedure	40
7.2.4	Arrangement of the equipment	40
7.2.5	Criteria to pass the test	40
7.2.6	Application of the test voltage and test conditions	40
7.2.7	Test of disconnectors and earthing switches	41
7.2.8	Artificial pollution tests for outdoor insulators	41
7.2.9	Partial discharge tests	41
7.2.10	Dielectric tests on auxiliary and control circuits	42
7.2.11	Voltage test as condition check	42
7.3	Resistance measurement	42
7.4	Continuous current tests	42
7.5	Short-time withstand current and peak withstand current tests	42
7.5.1	General	42

7.5.2	Arrangement of the disconnectors and earthing switches and of the test circuit	42
7.5.3	Test current and duration.....	48
7.5.4	Conditions of disconnectors and earthing switches after test	48
7.6	Verification of the protection	48
7.7	Tightness tests	48
7.8	Electromagnetic compatibility tests (EMC)	48
7.9	Additional tests on auxiliary and control circuits	49
7.10	X-ray radiation test for vacuum interrupters.....	49
7.101	Capacitive current making test – Cable discharging test	49
7.101.1	General	49
7.101.2	Classification of earthing switches with cable discharging current making capability	49
7.101.3	Discharging making tests	49
7.101.3.1	Arrangement of the earthing switch for tests	49
7.101.3.2	Earthing of the test circuit	50
7.101.3.3	Test procedure	50
7.101.3.4	Test duty 1 (without current limiting resistor).....	50
7.101.3.4.1	General.....	50
7.101.3.4.2	Alternative test method for test-duty 1.....	50
7.101.3.4.3	Test frequency test duty 1.....	50
7.101.3.4.4	Test current test duty 1	51
7.101.3.4.5	Test voltage test duty 1.....	51
7.101.3.4.6	Tests at reduced voltage test duty 1	51
7.101.3.4.7	Test circuits test duty 1	51
7.101.3.5	Test duty 2 (with current limiting resistor)	53
7.101.3.5.1	General.....	53
7.101.3.5.2	Alternative test method for test duty 2.....	53
7.101.3.5.3	Test frequency test duty 2.....	54
7.101.3.5.4	Test current test duty 2	54
7.101.3.5.5	Test voltage test duty 2.....	54
7.101.3.5.6	Tests at reduced voltage at test duty 2.....	54
7.101.3.5.7	Test circuits test duty 2.....	54
7.101.4	Behaviour of the earthing switch during tests	55
7.101.5	Condition of earthing switch after tests	56
7.101.6	Test reports	56
7.102	Operating and mechanical endurance tests	56
7.102.1	General test conditions	56
7.102.2	Contact zone test.....	57
7.102.3	Mechanical endurance test	59
7.102.3.1	Test procedure	59
7.102.3.2	Verification of successful operation.....	60
7.102.4	Operation during the application of rated static mechanical terminal loads.....	61
7.102.5	Extended mechanical endurance tests	61
7.102.6	Testing of mechanical interlocking devices	62
7.103	Operation under severe ice conditions	62
7.103.1	General	62
7.103.2	Test arrangement	63
7.103.3	Test procedure	63

7.103.3.1	Checks before the formation of ice coating	63
7.103.3.2	Formation of ice coating	63
7.103.3.3	Checks after the formation of ice coating	64
7.104	Low- and high-temperature tests	65
7.104.1	General	65
7.104.2	Measurement of ambient air temperature	65
7.104.3	Low-temperature test	65
7.104.4	High-temperature test	67
7.105	Tests to verify the proper functioning of the position-indicating device	68
7.105.1	General	68
7.105.2	Tests on the power kinematic chain and the position-indicating kinematic chain	69
8	Routine tests	69
8.1	General	69
8.2	Dielectric test on the main circuit	70
8.3	Tests on auxiliary and control circuits	70
8.4	Measurement of the resistance of the main circuit	70
8.5	Tightness test	70
8.6	Design and visual checks	70
8.101	Mechanical operating tests	70
8.102	Verification of earthing function	71
9	Guide to the selection of disconnectors and earthing switches (informative)	71
9.1	General	71
9.2	Selection of rated values	71
9.2.101	General	72
9.2.102	Selection of rated voltage and preferred rated insulation level	72
9.2.103	Selection of rated continuous current	72
9.2.104	Selection of rated contact zone	72
9.2.105	Selection of rated static mechanical terminal load	72
9.2.106	Selection of rated short-time withstand current and of rated duration of short-circuit	73
9.2.107	Selection of rated peak withstand current	73
9.3	Cable-interface considerations	73
9.4	Continuous or temporary overload due to changed service conditions	73
9.5	Environmental aspects	73
9.5.101	Local environmental conditions	73
10	Information to be given with enquiries, tenders and orders	74
10.1	General	74
10.2	Information with enquiries and orders	74
10.3	Information with tenders	75
11	Transport, storage, installation, operating instructions, and maintenance	76
11.1	General	76
11.2	Conditions during transport, storage and installation	76
11.3	Installation	76
11.4	Operating instruction	76
11.5	Maintenance	76
12	Safety	77
12.1	General	77
12.2	Precautions by manufacturers	77

12.3	Precautions by users	77
13	Influence of the product on the environment	77
Annex A	(normative) Identification of test objects	78
Annex B	(informative) Induced current switching tests on earthing switches	79
Annex C	(normative) Tolerances on test quantities for type tests	80
Annex D	(informative) Cable discharging test	81
D.1	General	81
D.2	Surge impedance	82
D.3	Cable capacity of single-core cable with radial electrical field	82
D.4	Cable inductance of single-core cable	82
D.5	Time constant of high-voltage cables	84
D.6	Example and formulas according to Table D.3	84
Annex E	(informative) Extension of validity of type tests	86
E.1	General	86
E.2	Dielectric tests	87
E.3	Short-time withstand current tests	87
E.4	Operating and mechanical endurance tests	87
E.4.1	General	87
E.4.2	Operation under severe ice condition test	88
E.4.3	Low and high temperature test	88
E.5	Cable charging / Discharging current making test	88
Annex F	(informative) Example of location of neutral bus disconnector for one pole in an HVDC substation	89
Bibliography	91
Figure 1	– Position indicating/signalling device(s)	36
Figure 2	– Examples of test arrangement from a) to g) of different type of disconnectors (horizontal and vertical) with and without earthing switch combined	46
Figure 3	– Typical test circuit of oscillating RLC discharge	52
Figure 4	– Example of damped oscillating discharge of 525 kV XLPE cable of 300 km length, cross-section 2 000 mm ² and with a residual voltage of $U_{res} = 100$ kV	52
Figure 5	– Alternative test circuit of test duty 1	53
Figure 6	– Typical test circuit with damped RLC discharging oscillation (aperiodic)	55
Figure 7	– Example of discharging impulse (damped discharging oscillation, aperiodic) of 525 kV XLPE cable of 300 km length at system voltage by using a discharge resistor of 5 k Ω	55
Figure 8	– Fixed contact parallel to support	57
Figure 9	– Fixed contact perpendicular to support	58
Figure 10	– Example of the application of rated static mechanical terminal loads to a (divided support) pantograph disconnector (or earthing switch)	58
Figure 11	– Example of the application of rated static mechanical terminal loads to a two-column disconnector	59
Figure 12	– Test sequences for low and high temperature tests	66
Figure D.1	– Oscillation with parameters of 525 kV XLPE cable	85
Figure D.2	– Oscillation with parameters of 525 kV XLPE cable and residual voltage values	85
Figure F.1	– Location of (NBD) neutral bus disconnector	89

Table 1 – Multiterminal – Preferred rated insulation levels	24
Table 2 – Two-terminal – Preferred rated insulation levels	26
Table 3 – Preferred contact zones for "fixed" contacts supported by flexible conductors – outdoor installation	28
Table 4 – Preferred contact zones for "fixed" contacts supported by rigid conductors outdoor installation	28
Table 5 – Preferred static mechanical terminal loads –outdoor.....	29
Table 6 – Classification of disconnectors for mechanical endurance	29
Table 7 – Classification of earthing switches for mechanical endurance.....	30
Table 8 – Discharge classes based on energy amounts related to test duty 1	30
Table 9 – Discharge classes based on energy amounts related to test duty 2	30
Table 10 – Product information	32
Table 11 – List of type tests	38
Table 12 – Test voltages.....	41
Table C.1 – Tolerances on test quantities for type tests	80
Table D.1 – Common values of electrical characteristics of HV single-core copper cables (type XLPE)	81
Table D.2 – Common values of electrical characteristics of HV overhead lines	82
Table D.3 – Calculations regarding energy classification relating to test duty 1 (direct cable discharge) of earthing switches cable type: XLPE.....	83
Table E.1 – List of type tests valid according to IEC 62271-102	86
Table F.1 – Neutral bus disconnector – Preferred rated insulation levels for rated voltages.....	90

INTERNATIONAL ELECTROTECHNICAL COMMISSION

HIGH-VOLTAGE SWITCHGEAR AND CONTROLGEAR –**Part 314: Direct current disconnectors and earthing switches**

FOREWORD

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IEC TS 62271-314 has been prepared by subcommittee 17A: Switching devices, of IEC technical committee 17: High-voltage switchgear and controlgear. It is a Technical Specification.

The text of this Technical Specification is based on the following documents:

Draft	Report on voting
17A/1377/DTS	17A/1388B/RVDTS

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 Technical Specification 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.

This document is to be read in conjunction with IEC TS 62271-5:2024, to which it refers and which is applicable unless otherwise specified in this document. In order to simplify the indication of corresponding requirements, the same numbering of clauses and subclauses is used as in IEC TS 62271-5. Modifications to these clauses and subclauses are given under the same references whilst additional subclauses are numbered from 101.

A list of all parts of IEC 62271 series, under the general title *High-voltage switchgear and controlgear* can be found on the IEC website.

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

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- revised.

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HIGH-VOLTAGE SWITCHGEAR AND CONTROLGEAR –

Part 314: Direct current disconnectors and earthing switches

1 Scope

This part of IEC 62271, which is a Technical Specification, applies to high-voltage direct current disconnectors and earthing switches, designed for indoor and outdoor installations and for operation on HVDC transmission systems having direct voltages of 100 kV and above.

It also applies to the operating devices of these disconnectors and earthing switches and their auxiliary equipment.

NOTE Disconnectors in which the fuse forms an integral part are not covered by this document.

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 60050-151, *International Electrotechnical Vocabulary (IEV) – Part 151: Electrical and magnetic devices*

IEC 60050-441, *International Electrotechnical Vocabulary (IEV) – Part 441: Switchgear, controlgear and fuses*

IEC 60050-471, *International Electrotechnical Vocabulary (IEV) – Part 471: Insulators*

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koniec náhľadu – text ďalej pokračuje v platenej verzii STN