



EA MLA Signatory
Český institut pro akreditaci, o.p.s.
(Czech Accreditation Institute)
Hájkova 2747/22, Žižkov, 130 00 Praha 3

issues

according to section 16 of Act No. 22/1997 Coll., on technical requirements for products and on changes and amendments to some Acts, as amended

CERTIFICATE OF ACCREDITATION

No. 304/2025

Zkušebnictví, a.s.
with registered office Podnikatelská 547, 190 11 Praha 9 - Běchovice
Company Registration No. 45274355

for the Testing Laboratory No. 1035
KEMA Labs

Scope of accreditation:

Testing of making and breaking capacity, testing of short-circuit resistance, testing of electric arc resistance, temperature-rise tests, dielectric tests, determination of degree of protection, verification of equipment design and routine tests of heavy current equipment to the extent as specified in the appendix to this Certificate.

This Certificate of Accreditation is a proof of accreditation issued on the basis of assessment of fulfillment of the accreditation criteria in accordance with

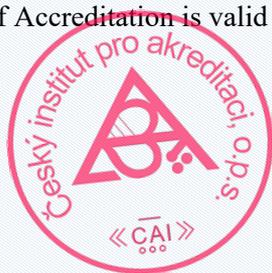
ČSN EN ISO/IEC 17025:2018

In its activities performed within the scope and for the period of validity of this Certificate, the abovementioned Accredited Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Accredited Body meets the specified accreditation requirements in accordance with the relevant regulations applicable to the activity of an accredited conformity assessment body.

This Certificate of Accreditation replaces, to the full extent, Certificate No.: 110/2024 of 06/03/2024, and/or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **14/07/2026**

Prague: 26/06/2025



Signed in the Czech original:
Zdeňka Drdová on 26/06/2025

Jan Velíšek
Director of the Department
of Testing and Calibration Laboratories

This translation of the Czech original has been issued by: Eliška Fyčková, Czech Accreditation Institute

**The Appendix is an integral part of
Certificate of Accreditation No: 304/2025 of 26/06/2025**

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

Zkušebnictví, a.s.
CAB number 1035, KEMA Labs
Podnikatelská 547, 190 11 Praha 9 - Běchovice

Testing Laboratory Locations:

- | | |
|-----------------------|---|
| 1. HPL section | Podnikatelská 547, 190 11 Praha 9 – Běchovice |
| 2. HVL section | Podnikatelská 547, 190 11 Praha 9 – Běchovice |

1. **HPL section**

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
1	Short-time withstand current and peak withstand current tests	ČSN EN 62271-1 ed. 2, cl. 7.6; IEC 62271-1, cl. 7.6	HV switchgear and controlgear for voltages above 1 kV	-
2	Short-time withstand current and peak withstand current tests	ČSN EN 62271-100 ed. 2, cl. 6.6; IEC 62271-100, cl. 7.6	HV circuit breakers	-
3	Short-time withstand current and peak withstand current tests	ČSN EN IEC 62271-102 ed. 2, cl. 7.6; IEC 62271-102, cl. 7.6	HV disconnectors and earthing switches	-
4	Short-time withstand current and peak withstand current tests	ČSN EN 62271-103, cl. 6.6; IEC 62271-103, cl. 7.6	Switches for rated voltages above 1 kV up to and including 52 kV	-
5	Short-time withstand current and peak withstand current tests	ČSN EN 62271-104 ed. 2, cl. 6.6; IEC 62271-104, cl. 7.6	Switches for rated voltages of 52 kV and higher	-
6	Short-time withstand current and peak withstand current tests	ČSN EN 62271-106, cl. 6.6; IEC 62271-106, cl. 7.6	HV contactors and contactor-based motor-starters	-
7	Short-time withstand current and peak withstand current tests	ČSN EN 62271-200 ed. 3, cl. 7.6; IEC 62271-200, cl. 7.6	Metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV	-
8	Short-time withstand current and peak withstand current tests	ČSN EN 62271-201 ed. 2, cl. 6.6; IEC 62271-201, cl. 6.6	Insulation-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV	-
9	Short-time withstand current and peak withstand current tests	ČSN EN IEC 62271-202 ed. 3, cl. 7.6; IEC 62271-202, cl. 7.6	HV/LV prefabricated substation	-

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Ordinal number¹	Test procedure / method name	Test procedure / method identification²	Tested subject	Degrees of freedom³
10	Short-time withstand current and peak withstand current tests	ČSN EN IEC 62271-203 ed. 3, cl. 7.6; IEC 62271-203, cl. 7.6	Gas-insulated metal-enclosed switchgear for rated voltages above 52 kV	-
11	Short-time withstand current and peak withstand current tests	ČSN EN 60076-5 ed. 2, cl. 3-4; IEC 60076-5, cl. 3-4; GOST 20243-74, cl. 2	Power transformers	-
12	Short-time withstand current and peak withstand current tests	ČSN EN 60076-11 ed. 2, cl. 14.4.3; IEC 60076-11, cl. 14.4.3	Dry-type transformers	-
13	Short-time withstand current and peak withstand current tests	ČSN EN 60076-13, cl. 12.4.9; IEC 60076-13, cl. 12.4.9	Self-protected transformers	-
14	Short-time withstand current and peak withstand current tests	ČSN EN 60076-6, cl. 8.9.13, 9.10.10, 10.9.8, 11.8.13 + Annex F; IEC 60076-6, cl. 8.9.13, 9.10.10, 10.9.8, 11.8.13 + Annex F; IEEE C57.16, cl. 11.6, C.5.5.2, C.5.5.3, C.5.5.4	Reactors	-
15	Short-time withstand current and peak withstand current tests	ČSN IEC 353, cl. 19.4; IEC 60353, cl. 19.4; IEEE C93.3, cl. 6.2.5	Line traps	-
16	Short-time withstand current and peak withstand current tests	ČSN EN 60214-1 ed. 2, cl. 5.2.4, 7.2.3; IEC 60214-1, cl. 5.2.4, 7.2.3	Tap-changers	-
17	Short-time withstand current and peak withstand current tests	ČSN EN 61869-2, cl. 7.2.201; IEC 61869-2, cl. 7.2.201	Current transformers	-
18	Short-time withstand current and peak withstand current tests	ČSN EN 61869-3, cl. 7.2.301; IEC 61869-3, cl. 7.2.301	Inductive voltage transformers	-

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Ordinal number¹	Test procedure / method name	Test procedure / method identification²	Tested subject	Degrees of freedom³
19	Short-time withstand current and peak withstand current tests	ČSN EN 61284, cl. 6.1.2; STL Procedure 4 Issue 2:2011; IEC 61284, cl. 6.1.2; STL Procedure 4 Issue 2:2011	Fittings for overhead lines	-
20	Short-time withstand current and peak withstand current tests	ČSN EN 60099-4 ed. 3, cl. 8.10, 10.8.10, 11.8.10, 12.8.10, 13.8.10; IEC 60099-4, cl. 8.10, 10.8.10, 11.8.10, 12.8.10, 13.8.10	Metal-oxide surge arresters without gaps	-
21	Short-time withstand current and peak withstand current tests	IEEE C37.23, cl. 6.2.3, 6.2.4	Metal-enclosed bus	-
22	Short-time withstand current and peak withstand current tests	ČSN EN 60137 ed. 4, cl. 8.9; IEC 60137, cl. 8.9	Insulated bushings for alternating voltages above 1 kV	-
23	Short-time withstand current and peak withstand current tests	ČSN EN 61219, cl. 6.4; IEC 61219, cl. 6.4	Earthing or earthing and short-circuiting equipment using lances as a short-circuiting device - Lance earthing	-
24	Short-time withstand current and peak withstand current tests	ČSN EN 61230 ed. 2, cl. 5.7; IEC 61230, cl. 5.7	Portable equipment for earthing or earthing and short-circuiting	-
25	Short-time withstand current and peak withstand current tests	ČSN EN IEC 61914 ed. 3, cl. 9.5; IEC 61914, cl. 9.5	Cable cleats	-
26	Short-time withstand current and peak withstand current tests	ČSN EN IEC 61439-1 ed. 3, cl. 10.11 (except cl. 10.11.4); IEC 61439-1, cl. 10.11 (except cl. 10.11.4)	LV switchgear and controlgear assemblies	-

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Podnikatelská 547, 190 11 Praha 9 - Běchovice

Ordinal number¹	Test procedure / method name	Test procedure / method identification²	Tested subject	Degrees of freedom³
27	Short-time withstand current and peak withstand current tests	ČSN EN IEC 61439-1 ed. 3, cl. 10.5 (except cl. 10.5.3.4); IEC 61439-1, cl. 10.5 (except cl. 10.5.3.4)	LV switchgear and controlgear assemblies	-
28	Short-time withstand current and peak withstand current tests	ČSN EN 61439-2 ed. 3, cl. 10.11 (except cl. 10.11.4); IEC 61439-2, cl. 10.11 (except cl. 10.11.4)	Power LV switchgear and controlgear assemblies	-
29	Short-time withstand current and peak withstand current tests	ČSN EN 61439-2 ed. 3, cl. 10.5 (except cl. 10.5.3.4); IEC 61439-2, cl. 10.5 (except cl. 10.5.3.4)	Power LV switchgear and controlgear assemblies	-
30	Short-time withstand current and peak withstand current tests	ČSN EN 61439-5 ed. 2, cl. 10.11; IEC 61439-5, cl. 10.11	Assemblies for power distribution in public networks	-
31	Short-time withstand current and peak withstand current tests	ČSN EN 61439-5 ed. 2, cl. 10.5; IEC 61439-5, cl. 10.5	Assemblies for power distribution in public networks	-
32	Short-time withstand current and peak withstand current tests	ČSN EN 61439-6, cl. 10.11; IEC 61439-6, cl. 10.11	Busbar trunking systems	-
33	Short-time withstand current and peak withstand current tests	ČSN EN 61439-6, cl. 10.5; IEC 61439-6, cl. 10.5	Busbar trunking systems	-
34	Short-time withstand current and peak withstand current tests	ČSN EN 61921, cl. 7.2.3; IEC 61921, cl. 7.11	Low-voltage power factor correction banks	-
35	Short-time withstand current and peak withstand current tests	ČSN EN 61921, cl. 7.2.4; IEC 61921, cl. 7.5	Low-voltage power factor correction banks	-
36	Short-time withstand current and peak withstand current tests	IEC 62040-1, cl. 5.2.3.103 + Annex EE	UPS	-

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Ordinal number¹	Test procedure / method name	Test procedure / method identification²	Tested subject	Degrees of freedom³
37	Short-time withstand current and peak withstand current tests	ČSN EN 60947-1 ed. 4, cl. 8.3.4; IEC 60947-1, cl. 9.3.4	Low-voltage switchgear and controlgear	-
38	Short-time withstand current and peak withstand current tests	ČSN EN 60947-2 ed. 4, cl. 8.3.6.3; IEC 60947-2, cl. 8.3.6.3	LV circuit-breakers	-
39	Short-time withstand current and peak withstand current tests	ČSN EN 60947-3 ed. 4, cl. 9.3.6, 9.3.7; IEC 60947-3, cl. 9.3.6, 9.3.7	LV switches, disconnectors, switch-disconnectors and fuse-combination units	-
40	Short-time withstand current and peak withstand current tests	ČSN EN 50123-1 ed. 2, cl. 7.7; IEC 61992-1, cl. 7.7	DC switchgear	-
41	Short-time withstand current and peak withstand current tests	ČSN EN 50123-2 ed. 2, cl. 8.3.9; IEC 61992-2, cl. 8.3.9	DC circuit breakers	-
42	Short-time withstand current and peak withstand current tests	ČSN EN 50123-3 ed. 2, cl. 8.3.8; IEC 61992-3, cl. 8.3.8	Indoor DC disconnectors, switch-disconnectors and earthing switches	-
43	Short-time withstand current and peak withstand current tests	ČSN EN 50123-4 ed. 2, cl. 8.3.9; IEC 61992-4, cl. 8.3.9	Outdoor DC disconnectors, switch-disconnectors and earthing switches	-
44	Short-time withstand current and peak withstand current tests	ČSN EN 50123-6 ed. 2, cl. 8.3.4; IEC 61992-6, cl. 8.3.4	DC switchgears assemblies	-
45	Short-time withstand current and peak withstand current tests	ČSN EN 60077-4 ed. 2, cl. 9.3.4.4; IEC 60077-4, cl. 9.3.4.4	El. equipment of rail vehicles - AC switches	-
46	Short-time withstand current and peak withstand current tests	ČSN EN 61643-11 ed. 2, cl. 8.3.5.3 (except cl. 8.3.5.3.1 and 8.3.5.3.2); IEC 61643-11, cl. 8.3.5.3 (except cl. 8.3.5.3.1 and 8.3.5.3.2)	Surge protective devices connected to LV power systems	-

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Ordinal number¹	Test procedure / method name	Test procedure / method identification²	Tested subject	Degrees of freedom³
47	Short-time withstand current and peak withstand current tests	ČSN EN 61800-5-1 ed. 2, cl. 5.2.3.6; IEC 61800-5-1, cl. 5.2.3.6	Adjustable speed electrical power drive systems	-
48	Short-circuit making and breaking tests	ČSN EN 62271-100 ed. 2, cl. 6.102 – 6.112; IEC 62271-100, cl. 7.102-7.112	HV circuit breakers	-
49	Short-circuit making and breaking tests	ČSN EN IEC 62271-102 ed. 2, cl. 7.101; IEC 62271-102, cl. 7.101	HV disconnectors and earthing switches	-
50	Short-circuit making and breaking tests	ČSN EN 60947-1 ed. 4, cl. 8.3.2, 8.3.4; IEC 60947-1, cl. 9.3.2, 9.3.4	Low-voltage switchgear and controlgear	-
51	Short-circuit making and breaking tests	ČSN EN 60947-2 ed. 4, cl. 8.3.4.2, 8.3.5.3; IEC 60947-2, cl. 8.3.4.2, 8.3.5.3	LV circuit-breakers	-
52	Short-circuit making and breaking tests	ČSN EN 50123-2 ed. 2, cl. 8.3.8; IEC 61992-2, cl. 8.3.8	DC circuit breakers	-
53	Short-circuit making and breaking tests	ČSN EN 60077-3, cl. 9.3.4; IEC 60077-3, cl. 9.3.4	El. equipment of rail vehicles - DC switches	-
54	Short-circuit making and breaking tests	ČSN EN 60077-4 ed. 2, cl. 9.3.4.5; IEC 60077-4, cl. 9.3.4.5	El. equipment of rail vehicles - AC switches	-
55	Making and breaking tests	ČSN EN IEC 62271-102 ed. 2, cl. 7.106 – 7.108; IEC 62271-102, cl. 7.106 - 7.108	HV disconnectors and earthing switches	-
56	Making and breaking tests	ČSN EN 62271-103, cl. 6.101; IEC 62271-103, cl. 7.101	Switches for rated voltages above 1 kV up to and including 52 kV	-
57	Making and breaking tests	ČSN EN 62271-105 ed. 2, cl. 6.101; IEC 62271-105, cl. 7.101	HV switch-fuse combinations	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
58	Making and breaking tests	ČSN EN 62271-106, cl. 6.102; IEC 62271-106, cl. 7.102	HV contactors and contactor-based motor- starters	-
59	Making and breaking tests	ČSN EN 62271-200 ed. 3, cl. 7.101; IEC 62271-200, cl. 7.101	Metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV	-
60	Making and breaking tests	ČSN EN 62271-201 ed. 2, cl. 6.101; IEC 62271-201, cl. 6.101	Insulation-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV	-
61	Making and breaking tests	ČSN EN 60282-1 ed. 4, cl. 7.6, 8.3.3.3; IEC 60282-1, cl. 7.6, 8.3.3.3; IEEE Std. C37.41, cl. 9.3	HV current-limiting fuses	-
62	Making and breaking tests	IEC 60282-2, cl. 8.6; IEEE Std. C37.41, cl. 9.2	HV expulsion fuses	-
63	Making and breaking tests	ČSN EN 60269-1 ed. 3, cl. 8.5; IEC 60269-1, cl. 9.5	LV fuses	-
64	Making and breaking tests	ČSN EN 60269-4 ed. 3, cl. 8.5; IEC 60269-4, cl. 8.5	LV fuse-links for the protection of semiconductor devices	-
65	Making and breaking tests	ČSN EN 60269-6 ed. 1, cl. 8.5; IEC 60269-6, cl. 8.5	Fuse-links for the protection of solar systems	-
66	Making and breaking tests	ČSN EN 50123-1 ed. 2, cl. 7.3.2, 7.6; EN 50123-1, cl. 7.3.2, 7.6; IEC 61992-1, cl. 7.3.2, 7.6	DC switchgear	-
67	Making and breaking tests	ČSN EN 50123-3 ed. 2, cl. 8.3.7; IEC 61992-3, cl. 8.3.7	Indoor DC disconnectors, switch-disconnectors and earthing switches	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
68	Making and breaking tests	ČSN EN 50123-4 ed. 2, cl. 8.3.5, 8.3.8; EN 50123-4, cl. 8.3.5, 8.3.8; IEC 61992-4, cl. 8.3.5, 8.3.8	Outdoor DC disconnectors, switch- disconnectors and earthing switches	-
69	Making and breaking tests	ČSN EN 60077-5, cl. 9.3.4.3; IEC 60077-5, cl. 9.3.4.3	El. equipment of rail vehicles - HV fuses	-
70	Internal arc test	ČSN EN 62271-200 ed. 3, cl. 7.105, Annex A; IEC 62271-200, cl. 7.105, Annex A	Metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV	-
71	Internal arc test	ČSN EN 62271-201 ed. 2, cl. 6.105, Annex AA; IEC 62271-201, cl. 6.105, Annex AA	Insulation-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV	-
72	Internal arc test	ČSN EN IEC 62271-202 ed. 3, cl. 7.102, Annex A; IEC 62271-202, cl. 7.102, Annex A	HV/LV prefabricated substation	-
73	Internal arc test	ČSN EN IEC 62271-203 ed. 3, cl. 7.105, Annex B; IEC 62271-203, cl. 7.105, Annex B	Gas-insulated metal- enclosed switchgear for rated voltages above 52 kV	-
74	Internal arc test	IEC 62271-214, cl. 7.101	Metal-enclosed pole- mounted switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV	-
75	Internal arc test	ČSN EN 61869-1, cl. 6.9, 7.4.6; IEC 61869-1, cl. 6.9, 7.4.3	Instrument transformers	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
76	Internal arc test	ČSN EN 61869-2, cl. 6.9, 7.4.6; IEC 61869-2, cl. 6.9, 7.4.6	Instrument current transformers	-
77	Internal arc test	ČSN EN 61869-3, cl. 6.9, 7.4.6; IEC 61869-3, cl. 6.9, 7.4.6	Instrument voltage transformers	-
78	Internal arc test	IEC 61641, cl. 8	Enclosed LV switchgear and controlgear assemblies	-
79	Internal arc test	ČSN EN 50123-6 ed. 2, cl. 8.3.9, Annex B; EN 50123-6, cl. 8.3.9, Annex B	DC switchgears assemblies	-
80	Power arc tests	ČSN EN 61467, cl. 3 – 10; IEC 61467, cl. 3 – 10	Insulator sets	-
81	Tests for time-current characteristics	ČSN EN 60282-1 ed. 4, cl. 7.7; IEC 60282-1, cl. 7.7; IEEE Std. C37.41, cl. 12	HV current-limiting fuses	-
82	Tests for time-current characteristics	IEC 60282-2, cl. 8.7; IEEE Std. C37.41, cl. 12	HV expulsion fuses	-
83	Switching tests	ČSN EN 60214-1 ed. 2, cl. 5.2.3; IEC 60214-1, cl. 5.2.3	Tap-changers	-
84	Tests for explosion safety	GOST R 52725, cl. 9.8	Surge arresters for a.c. electrical installations for voltage from 3 kV to 750 kV	-
85	No-load, normal load and overload conditions tests	ČSN EN 60947-1 ed. 4, cl. 8.3.3 (except cl. 8.3.3.4); IEC 60947-1, cl. 9.3.3 (except cl. 9.3.3.4)	Low-voltage switchgear and controlgear	-
86	No-load, normal load and overload conditions tests	ČSN EN 60947-3 ed. 4, cl. 9.3.4, 9.3.5, 9.3.8; IEC 60947-3, cl. 9.3.4, 9.3.5, 9.3.8	LV switches, disconnectors, switch-disconnectors and fuse-combination units	-

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Ordinal number¹	Test procedure / method name	Test procedure / method identification²	Tested subject	Degrees of freedom³
87	Test of searching critical currents	ČSN EN 50123-2 ed. 2, cl. 8.3.10; IEC 61992-2, cl. 8.3.10	DC circuit breakers	-
88	TOV failure test	ČSN EN 61643-11 ed. 2, cl. 8.3.8.2; IEC 61643-11, cl. 8.3.8.2	Surge protective devices connected to LV power systems	-
89	Measurement of the resistance	ČSN EN 62271-1 ed. 2, cl. 7.4.4; IEC 62271-1, cl. 7.4.4	HV switchgear and controlgear for voltages above 1 kV	-
90	Voltage test as condition check	ČSN EN 62271-1 ed. 2, cl. 7.2.12; IEC 62271-1, cl. 7.2.12	HV switchgear and controlgear for voltages above 1 kV	-
91	Measurement of inductance, reactance and impedance	ČSN EN 60076-6, cl. 7.8.5.1, 8.9.21, 9.10.5; IEC 60076-6, cl. 7.8.5.1, 8.9.21, 9.10.5	Reactors	-
92	Measurement of inductance, reactance and impedance	ČSN IEC 353, cl. 19.5 – 19.7; IEC 60353, cl. 19.5 – 19.7	Line traps	-

¹ asterisk at the ordinal number identifies the tests, which the laboratory is qualified to carry out outside the permanent laboratory premises

² if the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest valid edition of the specified procedure is used (including any changes)

³ the laboratory does not apply a flexible approach to the scope of accreditation

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Podnikatelská 547, 190 11 Praha 9 - Běchovice

2. **HVL section**

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
1	Temperature-rise tests	ČSN EN 62271-1 ed. 2, cl. 7.5; IEC 62271-1, cl. 7.5	HV switchgear and controlgear for voltages above 1 kV	-
2	Temperature-rise tests	ČSN EN 62271-100 ed. 2, cl. 6.5; IEC 62271-100, cl. 7.5	HV circuit breakers	-
3	Temperature-rise tests	ČSN EN IEC 62271-102 ed. 2, cl. 7.5; IEC 62271-102, cl. 7.5	HV disconnectors	-
4	Temperature-rise tests	ČSN EN 62271-103, cl. 6.5; IEC 62271-103, cl. 7.5	Switches for rated voltages above 1 kV up to and including 52 kV	-
5	Temperature-rise tests	ČSN EN 62271-104 ed. 2, cl. 6.5; IEC 62271-104, cl. 7.5	Switches for rated voltages of 52 kV and higher	-
6	Temperature-rise tests	ČSN EN 62271-105 ed. 2, cl. 6.5; IEC 62271-105, cl. 7.5	HV switch-fuse combinations	-
7	Temperature-rise tests	ČSN EN 62271-106, cl. 6.5; IEC 62271-106, cl. 7.5	HV contactors and contactor-based motor-starters	-
8	Temperature-rise tests	ČSN EN 62271-200 ed. 3, cl. 7.5; IEC 62271-200, cl. 7.5	Metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV	-
9	Temperature-rise tests	ČSN EN 62271-201 ed 2, cl. 6.5; IEC 62271-201, cl. 6.5	Insulation-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV	-
10	Temperature-rise tests	ČSN EN IEC 62271-202 ed. 3 cl 7.5 (except cl. 7.5.106);	HV/LV prefabricated substation	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
		IEC 62271-202, cl. 7.5 (except cl. 7.5.106)		
11	Temperature-rise tests	ČSN EN IEC 62271-203 ed. 3, cl. 7.5; IEC 62271-203, cl. 7.5	Gas-insulated metal- enclosed switchgear for rated voltages above 52 kV	-
12	Temperature-rise tests	ČSN EN 60282-1 ed. 4, cl. 7.5, 8.4.1, 8.3.3.2; IEC 60282-1, cl. 7.5, 8.4.1, 8.3.3.2; IEEE Std. C37.41, cl. 11	HV current-limiting fuses	-
13	Temperature-rise tests	IEC 60282-2, cl. 8.5; IEEE Std. C37.41, cl. 11	HV expulsion fuses	-
14	Temperature-rise tests	ČSN EN 60076-2 ed. 2, cl. 7; IEC 60076-2, cl. 7	Power transformers (oil immersed)	-
15	Temperature-rise tests	ČSN EN 60076-11 ed. 2, cl. 14.3.2; IEC 60076-11, cl. 14.3.2	Power transformers (dry-type)	-
16	Temperature-rise tests	ČSN EN 60076-6, cl. 7.8.14, 8.9.11, 9.10.8, 10.9.6, 11.8.7, 12.8.13; IEC 60076-6, cl. 7.8.14, 8.9.11, 9.10.8, 10.9.6, 11.8.7, 12.8.13	Reactors	-
17	Temperature-rise tests	ČSN IEC 353, cl. 19.1; IEC 60353, cl. 19.1	Line traps	-
18	Temperature-rise tests	ČSN EN 60214-1 ed. 2, cl. 5.2.2, 7.2.2; IEC 60214-1, cl. 5.2.2, 7.2.2	Tap-changers	-
19	Temperature-rise tests	ČSN EN 61869-1, cl. 7.2.2; IEC 61869-1, cl. 7.2.2	Instrument transformers	-
20	Temperature-rise tests	ČSN EN 61869-2, cl. 7.2.2; IEC 61869-2, cl. 7.2.2	Current transformers	-
21	Temperature-rise tests	ČSN EN 61869-3, cl. 7.2.2; IEC 61869-3, cl. 7.2.2	Inductive voltage transformers	-

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22	Temperature-rise tests	IEEE C37.23, cl. 6.2.2	Metal-enclosed bus	-
23	Temperature-rise tests	ČSN EN 60137 ed. 4, cl. 8.8; IEC 60137, cl. 8.8; IEEE C57.19.00, cl. 7.2.3	Insulated bushings for alternating voltages above 1 kV	-
24	Temperature-rise tests	ČSN EN IEC 61439-1 ed. 3, cl. 10.10 (except cl. 10.10.4); IEC 61439-1, cl. 10.10 (except cl. 10.10.4)	LV switchgear and controlgear assemblies	-
25	Temperature-rise tests	ČSN EN 61439-2 ed. 3, cl. 10.10 (except cl. 10.10.4); IEC 61439-2, cl. 10.10 (except cl. 10.10.4)	Power LV switchgear and controlgear assemblies	-
26	Temperature-rise tests	ČSN EN 61439-4, cl. 10.10; IEC 61439-4, cl. 10.10	Assemblies for construction sites	-
27	Temperature-rise tests	ČSN EN 61439-5 ed. 2, cl. 10.10; IEC 61439-5, cl. 10.10	Assemblies for power distribution in public networks	-
28	Temperature-rise tests	ČSN EN 61439-6, cl. 10.10; IEC 61439-6, cl. 10.10	Busbar trunking systems	-
29	Temperature-rise tests	ČSN EN 61921, cl. 7.2.1; IEC 61921, cl. 7.10	Low-voltage power factor correction banks	-
30	Temperature-rise tests	ČSN EN 60947-1 ed. 4, cl. 8.3.3.3; IEC 60947-1, cl. 9.3.3.3	LV switchgear and controlgear	-
31	Temperature-rise tests	ČSN EN 60947-2 ed. 4, cl. 8.3.3.7, 8.3.4.5, 8.3.6.4, 8.3.7.3, 8.3.8.7, 8.3.2.5; IEC 60947-2, cl. 8.3.3.7, 8.3.4.5, 8.3.6.4, 8.3.7.3, 8.3.8.7, 8.3.2.5	LV circuit-breakers	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
32	Temperature-rise tests	ČSN EN 60947-3 ed. 4, cl. 9.3.4.7, 9.3.5.5, 9.3.6.6, 9.3.7.6, 9.3.8.5, 9.3.4.2 IEC 60947-3, cl. 9.3.4.7, 9.3.5.5, 9.3.6.6, 9.3.7.6, 9.3.8.5, 9.3.4.2	LV switches, disconnectors, switch- disconnectors and fuse- combination units	-
33	Temperature-rise tests	ČSN EN 60269-1 ed. 3, cl. 8.3; IEC 60269-1, cl. 9.3	LV fuses	-
34	Temperature-rise tests	ČSN EN 50123-1 ed. 2, cl. 7.4; IEC 61992-1, cl. 7.4	DC switchgear	-
35	Temperature-rise tests	ČSN EN 50123-2 ed. 2, cl. 8.3.4; IEC 61992-2, cl. 8.3.4	DC circuit breakers	-
36	Temperature-rise tests	ČSN EN 50123-3 ed. 2, cl. 8.3.4; IEC 61992-3, cl. 8.3.4	Indoor DC disconnectors and switch-disconnectors	-
37	Temperature-rise tests	ČSN EN 50123-4 ed. 2, cl. 8.3.4; IEC 61992-4, cl. 8.3.4	Outdoor DC disconnectors, switch- disconnectors and earthing switches	-
38	Temperature-rise tests	ČSN EN 50123-6 ed. 2, cl. 8.3.7; IEC 61992-6, cl. 8.3.7	DC switchgears assemblies	-
39	Temperature-rise tests	ČSN EN 60077-1 ed.2, cl. 9.3.2; IEC 60077-1, cl. 9.3.2	El. equipment of rail vehicles	-
40	Temperature-rise tests	ČSN EN 60077-2 ed.2, cl. 9.3.3.4; IEC 60077-2, cl. 9.3.3.4	El. equipment of rail vehicles - el. components	-
41	Temperature-rise tests	ANSI/NEMA CC 1, cl. 3.1	Electric power connection for substations	-
42	Tests with alternating voltage	ČSN EN 60060-1, cl. 6; IEC 60060-1, cl. 6	Equipment having its highest voltage for equipment above 1 kV	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
43	Tests with alternating voltage	ČSN EN 62271-1 ed. 2, cl. 7.2, 7.10.5 (except cl. 7.2.8, 7.2.9); IEC 62271-1, cl. 7.2, 7.10.5 (except cl. 7.2.8, 7.2.9)	HV switchgear and controlgear for voltages above 1 kV	-
44	Tests with alternating voltage	ČSN EN 62271-100 ed. 2, cl. 6.2 (except cl. 6.2.2, 6.2.7, 6.2.8); IEC 62271-100, cl. 7.2 (except cl. 7.2.3, 7.2.8, 7.2.9)	HV circuit breakers	-
45	Tests with alternating voltage	ČSN EN IEC 62271-102 ed. 2, cl. 7.2 (except cl. 7.2.8, 7.2.9); IEC 62271-102, cl. 7.2 (except cl. 7.2.8, 7.2.9)	HV disconnectors and earthing switches	-
46	Tests with alternating voltage	ČSN EN 62271-200 ed. 3, cl. 7.2 (except cl. 7.2.8, 7.2.9, 7.2.101); IEC 62271-200, cl. 7.2 (except cl. 7.2.8, 7.2.9, 7.2.101); IEEE C37.20.2, cl. 6.2.1	Metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV	-
47	Tests with alternating voltage	IEEE C37.23, cl. 6.2.1	Metal-enclosed bus	-
48	Tests with alternating voltage	ČSN EN IEC 62271-202 ed. 3, cl. 7.2 (except cl. 7.2.102.3); IEC 62271-202, cl. 7.2 (except cl. 7.2.102.3)	HV/LV prefabricated substation	-
49	Tests with alternating voltage	ČSN EN 60076-3 ed. 2, cl. 9, 10; IEC 60076-3, cl. 9, 10; GOST 1516.1-76, cl. 1.7, 2.4 (except cl. 2.4.2 and 2.4.6)	Power transformers	-

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50	Tests with alternating voltage	ČSN EN 60076-11 ed. 2, cl. 14.2.5; IEC 60076-11, cl. 14.2.5	Dry-type transformers	-
51	Tests with alternating voltage	ČSN EN 60282-1 ed. 4, cl. 7.4; IEC 60282-1, cl. 7.4; IEEE Std. C37.41, cl. 8 (except cl. 8.4, 8.6, 8.7)	HV current-limiting fuses	-
52	Tests with alternating voltage	IEC 60282-2, cl. 8.4 (except cl. 8.4.7); IEEE Std. C37.41, cl. 8 (except cl. 8.4, 8.6, 8.7)	HV expulsion fuses	-
53	Tests with alternating voltage	ČSN EN 60269-1 ed. 3, cl. 8.2; IEC 60269-1, cl. 9.2	LV fuses	-
54	Tests with lightning-impulse voltage	ČSN EN 60060-1, cl. 7; IEC 60060-1, cl. 7	Equipment having its highest voltage for equipment above 1 kV	-
55	Tests with lightning-impulse voltage	ČSN EN 62271-1 ed. 2, cl. 7.2 (except cl. 7.2.8, 7.2.9); IEC 62271-1, cl.7.2 (except cl. 7.2.8, 7.2.9)	HV switchgear and controlgear for voltages above 1 kV	-
56	Tests with lightning-impulse voltage	ČSN EN 62271-100 ed. 2, cl. 6.2 (except cl. 6.2.2, 6.2.7, 6.2.8); IEC 62271-100, cl. 7.2 (except cl. 7.2.3, 7.2.8, 7.2.9)	HV circuit breakers	-
57	Tests with lightning-impulse voltage	ČSN EN IEC 62271-102 ed. 2, cl. 7.2 (except cl. 7.2.8, 7.2.9); IEC 62271-102, cl. 7.2 (except cl. 7.2.8, 7.2.9)	HV disconnectors and earthing switches	-

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Ordinal number¹	Test procedure / method name	Test procedure / method identification²	Tested subject	Degrees of freedom³
58	Tests with lightning-impulse voltage	ČSN EN 62271-200 ed. 3, cl. 7.2 (except cl. 7.2.8, 7.2.9, 7.2.101); IEC 62271-200, cl. 7.2 (except cl. 7.2.8, 7.2.9, 7.2.101)	Metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV	-
59	Tests with lightning-impulse voltage	IEEE C37.23, cl. 6.2.1	Metal-enclosed bus	-
60	Tests with lightning-impulse voltage	ČSN EN IEC 62271-202 ed. 3, cl. 7.2 (except cl. 7.2.102.3); IEC 62271-202, cl. 7.2 (except cl. 7.2.102.3)	HV/LV prefabricated substation	-
61	Tests with lightning-impulse voltage	ČSN EN 60076-3 ed. 2, cl. 13 (except cl. 13.3); IEC 60076-3, cl. 13 (except cl. 13.3); ČSN EN 60076-13, cl. 12.4.8; IEC 60076-13, cl. 12.4.8	Power transformers	-
62	Tests with lightning-impulse voltage	ČSN EN 60076-11 ed. 2, cl. 14.3.1; IEC 60076-11, cl. 14.3.1	Dry-type transformers	-
63	Tests with lightning-impulse voltage	ČSN EN 60282-1 ed. 4, cl. 7.4; IEC 60282-1, cl. 7.4; IEEE Std. C37.41, cl. 8 (except cl. 8.4, 8.6, 8.7)	HV current-limiting fuses	-
64	Tests with lightning-impulse voltage	IEC 60282-2, cl. 8.4 (except cl. 8.4.7); IEEE Std. C37.41, cl. 8 (except cl. 8.4, 8.6, 8.7)	HV expulsion fuses	-
65	Tests with lightning-impulse voltage	ČSN EN 60269-1 ed. 3, cl. 8.2; IEC 60269-1, cl. 9.2	LV fuses	-

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Ordinal number¹	Test procedure / method name	Test procedure / method identification²	Tested subject	Degrees of freedom³
66	Induced voltage tests (IVW and IVPD)	ČSN EN 60076-3 ed. 2, cl. 7.3.1.3, 11; IEC 60076-3, cl. 7.3.1.3, 11; GOST 1516.1-76, cl. 1.7, 2.4.2	Power transformers	-
67	Induced voltage tests (IVW and IVPD)	ČSN EN 60076-11 ed. 2, cl. 14.2.6; IEC 60076-11, cl. 14.2.6	Dry-type transformers	-
68	Partial discharge measurement	ČSN EN 60270; IEC 60270	Electrical apparatus, components or systems tested with alternating voltages	-
69	Partial discharge measurement	ČSN EN 62271-100 ed. 2, cl. 6.2.9; IEC 62271-100, cl. 7.2.10	HV circuit breakers	-
70	Partial discharge measurement	ČSN EN 62271-200 ed. 3, cl. 7.2.10, Annex B; IEC 62271-200, cl. 7.2.10, Annex B	Metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV	-
71	Partial discharge measurement	ČSN EN 60076-13, cl. 12.1; IEC 60076-13, cl. 12.1	Power transformers	-
72	Partial discharge measurement	ČSN EN 60076-11 ed. 2, cl. 14.2.7; IEC 60076-11, cl. 14.2.7	Dry-type transformers	-
73	Measurement of winding resistance	ČSN EN 60076-1, cl. 11.2; IEC 60076-1, cl. 11.2; GOST 3484.1-88, cl. 4	Power transformers	-
74	Measurement of winding resistance	ČSN EN 60076-11 ed. 2, cl. 14.2.1; IEC 60076-11, cl. 14.2.1	Dry-type transformers	-
75	Measurement of voltage ratio and check of phase displacement	ČSN EN 60076-1, cl. 11.3; IEC 60076-1, cl. 11.3; GOST 3484.1-88, cl. 2, 3	Power transformers	-

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76	Measurement of voltage ratio and check of phase displacement	ČSN EN 60076-11 ed. 2, cl. 14.2.2; IEC 60076-11, cl. 14.2.2	Dry-type transformers	-
77	Measurement of short-circuit impedance and load loss	ČSN EN 60076-1, cl. 11.4; IEC 60076-1, cl. 11.4; GOST 3484.1-88, cl. 5	Power transformers	-
78	Measurement of short-circuit impedance and load loss	ČSN EN 60076-11 ed. 2, cl. 14.2.3; IEC 60076-11, cl. 14.2.3	Dry-type transformers	-
79	Measurement of no-load loss and current	ČSN EN 60076-1, cl. 11.5; IEC 60076-1, cl. 11.5; GOST 3484.1-88, cl. 6	Power transformers	-
80	Measurement of no-load loss and current	ČSN EN 60076-11 ed. 2, cl. 14.2.4; IEC 60076-11, cl. 14.2.4	Dry-type transformers	-
81	Measurement of zero-sequence impedance	ČSN EN 60076-1, cl. 11.6; IEC 60076-1, cl. 11.6; GOST 3484.1-88, cl. 7	Power transformers	-
82	Measurement of insulation resistance of winding	GOST 3484.3-88 (except cl. 4.2 and 5.2)	Power transformers	-
83	Transformer pressure test	ČSN EN 60076-13, cl. 12.2; IEC 60076-13, cl. 12.2	Power transformers	-
84	Determination of sound levels	ČSN EN 60076-10 ed. 2 (except cl. 11.2.5.2, 11.2.5.4 and 11.3); IEC 60076-10 (except cl. 11.2.5.2, 11.2.5.4 and 11.3)	Power transformers	-
85	Determination of sound levels	ČSN EN 60076-11 ed. 2, cl. 14.4.2; IEC 60076-11, cl. 14.4.2	Dry-type transformers	-
86	Tests on on-load tap-changers	ČSN EN 60076-1, cl. 11.7; IEC 60076-1, cl. 11.7	Power transformers	-

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87	Verification of dielectric properties	ČSN EN IEC 61439-1 ed. 3, cl. 9.1.2, 9.1.3, 9.1.4, 10.9 (except cl. 10.9.3.3, 10.9.3.4 and 10.9.3.5); IEC 61439-1, cl. 9.1.2, 9.1.3, 9.1.4, 10.9 (except cl. 10.9.3.3, 10.9.3.4 and 10.9.3.5)	LV switchgear and controlgear assemblies	-
88	Verification of dielectric properties	ČSN EN 61439-2 ed. 3, cl. 9.1.2, 9.1.3, 10.9 (except cl. 10.9.3.3, 10.9.3.4 and 10.9.3.5); IEC 61439-2, cl. 9.1.2, 9.1.3, 10.9 (except cl. 10.9.3.3, 10.9.3.4 and 10.9.3.5)	Power LV switchgear and controlgear assemblies	-
89	Verification of dielectric properties	ČSN EN 61439-4, cl. 9.1.2, 9.1.3, 10.9 (except cl. 10.9.3.4 and 10.9.3.5); IEC 61439-4, cl. 9.1.2, 9.1.3, 10.9 (except cl. 10.9.3.4 and 10.9.3.5)	Assemblies for construction sites	-
90	Verification of dielectric properties	ČSN EN 61439-5 ed. 2, cl. 9.1.2, 9.1.3, 10.9 (except cl. 10.9.3.4 and 10.9.3.5); IEC 61439-5, cl. 9.1.2, 9.1.3, 10.9 (except cl. 10.9.3.4 and 10.9.3.5)	Assemblies for power distribution in public networks	-
91	Verification of dielectric properties	ČSN EN 61439-6, cl. 9.1.2, 9.1.3, 10.9 (except cl. 10.9.3.4 and 10.9.3.5); IEC 61439-6, cl. 9.1.2, 9.1.3, 10.9 (except cl. 10.9.3.4 and 10.9.3.5)	Busbar trunking systems	-

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92	Verification of dielectric properties	ČSN EN 61921, cl. 7.2.2; IEC 61921, cl. 7.9	Low-voltage power factor correction banks	-
93	Design verification by lifting	ČSN EN IEC 61439-1 ed. 3, cl. 10.2.5; IEC 61439-1, cl. 10.2.5	LV switchgear and controlgear assemblies	-
94	Design verification by lifting	ČSN EN 61439-2 ed. 3, cl. 10.2.5; IEC 61439-2, cl. 10.2.5	Power LV switchgear and controlgear assemblies	-
95	Design verification by lifting	ČSN EN 61439-5 ed. 2, cl. 10.2.5; IEC 61439-5, cl. 10.2.5	Assemblies for power distribution in public networks	-
96	Design verification by lifting	ČSN EN 61439-6, cl. 10.2.5; IEC 61439-6, cl. 10.2.5	Busbar trunking systems	-
97	Verification of the degree of protection	ČSN EN 60529, cl. 11 – 15 (except cl. 13.4 – 13.6, 14.2.7 – 14.2.9); IEC 60529, cl. 11 – 15 (except cl. 13.4 – 13.6, 14.2.7 – 14.2.9)	Degree of protection up to IP 46	-
98	Verification of the degree of protection	ČSN EN IEC 61439-1 ed. 3, cl. 8.2.2, 8.2.3, 8.4.2.3, 10.3; IEC 61439-1, cl. 8.2.2, 8.2.3, 8.4.2.3, 10.3	LV switchgear and controlgear assemblies	-
99	Verification of the degree of protection	ČSN EN 61439-2 ed. 3, cl. 8.2.2, 8.2.3, 8.4.2.3, 8.2.101, 8.101, 10.3; IEC 61439-2, cl. 8.2.2, 8.2.3, 8.4.2.3, 8.2.101, 8.101, 10.3	Power LV switchgear and controlgear assemblies	-
100	Verification of the degree of protection	ČSN EN 61439-5 ed. 2, cl. 8.2.2, 8.2.3, 8.4.2.3, 8.4.2.101, 8.101, 10.3; IEC 61439-5, cl. 8.2.2, 8.2.3, 8.4.2.3, 8.4.2.101, 8.101, 10.3	Assemblies for power distribution in public networks	-

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101	Verification of the degree of protection	ČSN EN 61439-6, cl. 8.2.2, 8.2.3, 8.4.2.3 and 10.3; IEC 61439-6, cl. 9.1.2, 8.2.2, 8.2.3, 8.4.2.3 and 10.3	Busbar trunking systems	-
102	Verification of the degree of protection	ČSN EN 61921, cl. 7.2.7; IEC 61921, cl. 7.3	Low-voltage power factor correction banks	-
103	Verification of the degree of protection	ČSN EN 62271-1 ed. 2, cl. 7.7.1 (except Annex C); IEC 62271-1, cl. 7.7.1 (except Annex C)	HV switchgear and controlgear for voltages above 1 kV	-
104	Verification of the degree of protection	ČSN EN 62271-200 ed. 3, cl. 7.7.1 (except Annex C); IEC 62271-200, cl. 7.7.1 (except Annex C)	Metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV	-
105	Verification of the degree of protection	ČSN EN IEC 62271-202 ed. 3, cl. 7.7; IEC 62271-202, cl. 7.7	HV/LV prefabricated substation	-
106	Verification of the degree of protection	ČSN EN 60282-1 ed. 4, cl. 8.4.2; IEC 60282-1, cl. 8.4.2	HV current-limiting fuses	-
107	Verification of the clearances and creepage distances	ČSN EN IEC 61439-1 ed. 3, cl. 8.3, 10.4, Annex F; IEC 61439-1, cl. 8.3, 10.4, Annex F	LV switchgear and controlgear assemblies	-
108	Verification of the clearances and creepage distances	ČSN EN 61439-2 ed. 3, cl. 8.3, 10.4, Annex F; IEC 61439-2, cl. 8.3, 10.4, Annex F	Power LV switchgear and controlgear assemblies	-
109	Verification of the clearances and creepage distances	ČSN EN 61439-5 ed. 2, cl. 8.3, 10.4, Annex F; IEC 61439-5, cl. 8.3, 10.4, Annex F	Assemblies for power distribution in public networks	-

**The Appendix is an integral part of
Certificate of Accreditation No: 304/2025 of 26/06/2025**

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

Zkušebnictví, a.s.
CAB number 1035, KEMA Labs
Podnikatelská 547, 190 11 Praha 9 - Běchovice

Ordinal number¹	Test procedure / method name	Test procedure / method identification²	Tested subject	Degrees of freedom³
110	Verification of the clearances and creepage distances	ČSN EN 61439-6, cl. 8.3, 10.4, Annex F; IEC 61439-6, cl. 8.3, 10.4, Annex F	Busbar trunking systems	-
111	Verification of the clearances and creepage distances	ČSN EN 61921, cl. 7.2.5; IEC 61921, cl. 7.4	Low-voltage power factor correction banks	-
112	Verification of the clearances and creepage distances	ČSN EN 60282-1 ed. 4, cl. 6.3, Annex D; IEC 60282-1, cl. 6.3, Annex D	HV current-limiting fuses	-
113	Verification of the marking resistance	ČSN EN IEC 61439-1 ed. 3, cl. 10.2.7; IEC 61439-1, cl. 10.2.7	LV switchgear and controlgear assemblies	-
114	Verification of the marking resistance	ČSN EN 61439-2 ed. 3, cl. 10.2.7; IEC 61439-2, cl. 10.2.7	Power LV switchgear and controlgear assemblies	-
115	Verification of the marking resistance	ČSN EN 61439-5 ed. 2, cl. 10.2.7; IEC 61439-5, cl. 10.2.7	Assemblies for power distribution in public networks	-
116	Verification of the marking resistance	ČSN EN 61439-6, cl. 10.2.7; IEC 61439-6, cl. 10.2.7	Busbar trunking systems	-
117	Verification of the marking resistance	ČSN EN 60282-1 ed. 4, cl. 6.2; IEC 60282-1, cl. 6.2	HV current-limiting fuses	-
118	Verification of mechanical operation	IEC 60282-2, cl. 8.8; IEEE Std. C37.41, cl. 13.2	HV expulsion fuses	-
119	Verification of mechanical operation	ČSN EN IEC 61439-1 ed. 3, cl. 10.2.8; IEC 61439-1, cl. 10.2.8	LV switchgear and controlgear assemblies	-
120	Verification of mechanical operation	ČSN EN 61439-2 ed. 3, cl. 10.2.8; IEC 61439-2, cl. 10.2.8	Power LV switchgear and controlgear assemblies	-
121	Verification of mechanical operation	ČSN EN 61439-5 ed. 2, cl. 10.13; IEC 61439-5, cl. 10.2.8	Assemblies for power distribution in public networks	-

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Ordinal number¹	Test procedure / method name	Test procedure / method identification²	Tested subject	Degrees of freedom³
122	Verification of mechanical operation	ČSN EN 61439-6, cl. 10.13; IEC 61439-6, cl. 10.13	Busbar trunking systems	-
123	Verification of mechanical operation	ČSN EN 61921, cl. 7.2.6; IEC 61921, cl. 7.13	Low-voltage power factor correction banks	-
124	Tests of strikers	ČSN EN 60282-1 ed. 4, cl. 8.3.2; IEC 60282-1, cl. 8.3.2	HV current-limiting fuses	-
125	Magnetic losses test	ČSN EN 61284, cl. 12; IEC 61284, cl. 12	Fittings for overhead lines	-
126	Heat cycle tests	ČSN EN 61284, cl. 13; IEC 61284, cl. 13	Fittings for overhead lines	-
127	Heat cycle tests	ANSI C119.0, cl. 5.1	Electric connectors	-
128	Heat cycle tests	ANSI C119.4, cl. 6.3.1	Electric connectors - for Al and Cu conductors	-
129	Verification of protection against mechanical impact	ČSN EN 62262+A1, cl. 6; IEC 62262, cl. 6	Devices with degree of protection against mechanical impacts IK 07 to 10	-
130	Verification of protection against mechanical impact	ČSN EN 62208 ed. 2, cl. 9.7; IEC 62208, cl. 9.7	Empty enclosures for LV switchgear and controlgear assemblies	-
131	Verification of protection against mechanical impact	ČSN EN IEC 61439-1 ed. 3, cl. 10.2.6; IEC 61439-1, cl. 10.2.6	LV switchgear and controlgear assemblies	-
132	Verification of protection against mechanical impact	ČSN EN 61439-2 ed. 3, cl. 10.2.6; IEC 61439-2, cl. 10.2.6	Power LV switchgear and controlgear assemblies	-
133	Verification of protection against mechanical impact	ČSN EN 61439-6, cl. 10.2.6; IEC 61439-6, cl. 10.2.6	Busbar trunking systems	-
134	Verification of protection against mechanical impact	ČSN EN 61921, cl. 7.2.7; IEC 61921, cl. 7.3	Low-voltage power factor correction banks	-
135	Verification of protection against mechanical impact	ČSN EN 62271-1 ed. 2, cl. 7.7.2; IEC 62271-1, cl. 7.7.2	HV switchgear and controlgear for voltages above 1 kV	-

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Podnikatelská 547, 190 11 Praha 9 - Běchovice

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
136	Verification of protection against mechanical impact	ČSN EN 62271-200 ed. 3, cl. 7.7.2; IEC 62271-200, cl. 7.7.2	Metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV	-
137	Verification of protection against mechanical impact	ČSN EN IEC 62271-202 ed. 3, cl. 7.7, 7.101.3, Annex C; IEC 62271-202, cl. 7.7, 7.101.3, Annex C	HV/LV prefabricated substations	-

¹ asterisk at the ordinal number identifies the tests, which the laboratory is qualified to carry out outside the permanent laboratory premises

² if the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest valid edition of the specified procedure is used (including any changes)

³ the laboratory does not apply a flexible approach to the scope of accreditation

Explanations:

GOST	Russian standards
IEEE	Institute of Electrical and Electronics Engineers
ANSI	American National Standards Institute
STL	Short-Circuit Testing Liaison
IVW	Induced voltage withstand test
IVPD	Induced voltage test with partial discharge measurement
HV	High Voltage
LV	Low Voltage
UPS	Uninterruptible Power Supply

"This document is an appendix to the certificate of accreditation. In case of any discrepancies between the English and Czech versions, the Czech version shall prevail, both for the certificate appendix and the certificate itself."