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. **533/2025**

Fyzikálně technický zkušební ústav, státní podnik
with registered office Pikartská 1337/7, Radvanice, 716 00 Ostrava
Company Registration No. 00577880

for the Testing Laboratory No. **1019**
Testing Laboratory

Scope of accreditation:

Testing of electrical, non-electrical equipment and protective systems for hazardous areas; testing of electrical equipment, gas analysers, electrostatic properties of materials; testing of electromagnetic immunity of electrical 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.: 439/2024 of 30/08/2024, and/or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **22/10/2030**

Prague: 22/10/2025

Český institut pro akreditaci, o.p.s. «CAI»

Signed in the Czech original:
Jan Velíšek on 22/10/2025

Jan Velíšek
Director of the Department
of Testing and Calibration Laboratories
Czech Accreditation Institute

This translation of the Czech original has been issued by: Andrea Muzikářová

The Appendix is an integral part of
Certificate of Accreditation No: 533/2025 of 22/10/2025

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

Fyzikálně technický zkušební ústav, státní podnik
CAB number 1019, Testing Laboratory
Pikartská 1337/7, Radvanice, 716 00 Ostrava

The laboratory applies a flexible approach to the scope of accreditation.
The current list of activities carried out within the flexible scope is available on the laboratory's website https://www.ftzu.cz/cs/zkousky/ in the form of the „List of activities within the flexible scope of accreditation".
Detailed information on activities within the scope of accreditation (source literature) is given in the section „Specification of the scope of accreditation".

Tests:

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
1	**Test of strength and impermeability**			
1.1	Test of strength and impermeability	ČSN 13 3060-2, cl. 16, 21 to 23	Valves	-
2	**Leakage test**			
2.1*	Cold leakage test of shut-off valves	ČSN 13 3060-2, cl. 30 to 32	Valves	A, D
2.2*	Leakage test	ČSN EN ISO 16852:2018, cl. 6.6; ČSN EN ISO/IEC 80079-49, cl. 14.5	Flame arresters	A, D
2.3*	Leakage test	ČSN EN 60079-1 ed. 3, Annex C.1, C.2, C.3.1; IEC 60079-1, Annex C.1, C.2, C.3	Cable glands	A, D
2.4*	Leakage test	ČSN EN 13617-2 ed. 2, Annex B.4, B.13; ČSN EN 13617-3 ed. 2, Annex B.4, B.13	Petrol filling stations	A, D
3	**Pressure test**			
3.1*	Pressure test	ČSN EN ISO 16852:2018, cl. 6.5; ČSN EN ISO/IEC 80079-49, cl. 14.4	Flame arresters	A, D
3.2*	Pressure test	ČSN EN 14986 ed. 3, Annex A.3	Fans	A, D
3.3*	Flow measurement	ČSN EN ISO 16852:2018, cl. 6.7, Annex A; ČSN EN ISO/IEC 80079-49, cl. 6.2, Annex A	Flame arresters	A, D

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Fyzikálně technický zkušební ústav, státní podnik
CAB number 1019, Testing Laboratory
Pikartská 1337/7, Radvanice, 716 00 Ostrava

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
4	**Explosion test**			
4.1*	Explosion test	ČSN EN ISO 16852:2018, cl. 6.4, 6.8, 6.9, 7.3.1 to 7.3.3, 8.3, 9.2, 10.2.1, 10.2.3, 10.2.4, 11.1, 11.2; ČSN EN ISO/IEC 80079-49, cl. 6.3, 7.3.1-7.3.3, 8.3, 9.2.1 to 9.2.3, 10.2.1, 10.2.3, 10.2.4, 11.2	Flame arresters	A, D
4.2*	Explosion test	ČSN EN 14986 ed. 3, Annex A.2	Fans	A, D
4.3*	Explosion test	ČSN EN 1834-1, Annex B	Reciprocating internal combustion engines	A, D
5	**Burning resistance test**			
5.1	Burning resistance test	ČSN EN ISO 16852:2018, cl. 7.3.4, 7.3.5, 9.2.4, 10.2.2; ČSN EN ISO/IEC 80079-49, cl. 7.3.4, 7.3.5, 9.2.4, 10.2.2	Flame arresters	A, D
6	**Test of the degree of protection (excluding IPX1 and IPX2, including IPX9)**			
6.1*	Test of the degree of protection (excluding IPX1 and IPX2, including IPX9)	ČSN EN 60529; IEC 60529; ČSN EN 60034-5; ČSN EN IEC 62208 ed. 3, cl. 9.9; ČSN EN 60079-31, cl. 6.1.1; IEC 60079-31 cl. 6.1.1; ČSN EN 60079-5 ed. 2, cl. 5.1.2 ; IEC 60079-5, cl 5.1.2; ČSN EN IEC 60079-0 ed. 5, cl. A.3.3; IEC 60079-0, cl. A.3.3; ČSN EN 60669-1 ed. 3, cl. 15.2.2.1, 15.2.2.3, 15.2.3	Electrical equipment	A, D
7	**Determination of tracking resistance**			
7.1	Determination of tracking resistance	ČSN EN IEC 60112 ed. 2, cl. 4 to 11; IEC 60112, cl. 4 to 11	Insulating materials	-
7.2	Test of tracking resistance	ČSN EN IEC 60335-1 ed. 4, Annex N10; ČSN EN IEC 60598-1 ed. 8, cl. 15.4	Insulating materials	-

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CAB number 1019, Testing Laboratory
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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
8	**Measurement of leaking current**			
8.1*	Measurement of leaking current	ČSN EN IEC 60335-1 ed. 4, cl. 13.2; ČSN EN 61010-1 ed. 2, cl. 6.3.1 a), b), 6.3.2 a), b)	Electrical devices	A, D
9	**Check of design**			
9.1*	Check of design	ČSN EN 60204-1 ed. 3, cl. 16, 17	Electrical equipment of machines	-
10	**Determination of electronic components parameters**			
10.1*	Determination of electronic components parameters	ČSN EN 60079-11 ed. 2, cl. 10.4; IEC 60079-11, cl. 9.13	Intrinsically safe apparatus	-
11	**Voltage test**			
11.1*	Voltage test	ČSN EN IEC 61439-1 ed. 3, cl. 10.9	Low-voltage switchgear and controlgear	-
11.2*	Voltage test	ČSN EN 60204-1 ed. 3, cl. 18.4	Electrical equipment of machines	-
11.3*	Voltage test	ČSN EN 61010-1 ed. 2, cl. 6.7, 6.8	Electrical equipment for measurement, control, and laboratory use	-
11.4*	Voltage test	ČSN EN 50124-1 ed. 2, cl.7.1 to 7.5	Railway applications	-
12	**Check od design**			
12.1*	Check od design	ČSN EN 50050-1, cl. 5.2.3; ČSN EN 50050-2, cl. 5.2.3; ČSN EN 50050-3, cl. 5.2.3	Electrostatic hand-held spraying equipment	A, D
12.2*	Check od design	ČSN EN 60079-26 ed. 3, cl. 4; ČSN EN IEC 60079-26 ed. 4, cl. 7	Equipment with separation elements or combined levels of protection	A, D
12.3*	Check od design	ČSN EN IEC 60079-25 ed. 3, cl. 11; IEC 60079-25, cl. 11	Equipment for explosive atmospheres – intrinsically safe electrical systems	A, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
12.4*	Check od design	ČSN EN 60079-5 ed. 2, cl. 4.1 to 4.8; IEC 60079-5, cl. 4.1 to 4.8	Equipment for explosive atmospheres – protection by powder filling	A, D
12.5*	Check od design	ČSN EN IEC 60079-0 ed. 5, cl. 17.2.5.5; IEC 60079-0, cl. 17.2.5.5	Equipment for explosive atmospheres	A, D
12.6*	Check od design	ČSN EN 60079-1 ed. 3, cl. 5.1 to 5.5, 6 to 8, 11, 18; IEC 60079-1, cl. 5.1 to 5.5, 6 to 8, 11, 18	Equipment for explosive atmospheres – protection by flameproof enclosure	A, D
12.7*	Check od design	ČSN EN 60079-7 ed. 3, cl. 4.3, 4.4, 4.5, 4.6, 5.3.3; IEC 60079-7, cl. 4.3, 4.4, 4.5, 4.6, 5.3.3	Equipment for explosive atmospheres – protection by increased safety	A, D
12.8*	Check od design	ČSN EN IEC 60079-2 ed. 3, cl. 4; IEC 60079-2, cl. 4	Equipment for explosive atmospheres – protection by pressurized enclosure	A, D
12.9*	Check od design	ČSN EN 60079-15 ed. 3:2010, cl. 6.4.5; IEC 60079-15:2010, cl. 6.4.5	Equipment for explosive atmospheres protected by type of protection “n”	A, D
12.10*	Check od design	ČSN EN 50303, cl. 4.1 to 4.10, 5.1, 5.2, 6.1 to 6.5, 7.1, 7.2, 8.1, 8.2, 9.1, 9.2	Group I, Category M1 equipment intended to remain functional in atmospheres endangered by firedamp and/or coal dust	A, D
12.11*	Check od design	ČSN EN 13617-1 ed. 2, cl. 5.1 to 5.3, Annex A	Petrol filling stations	A, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
12.12*	Check od design	ČSN EN 1953 ed. 2, cl. 6.1, 6.2, 6.3, 6.4, 6.6, 6.7, 6.9, 6.10	Atomising and spraying equipment for coating materials	A, D
12.13*	Check od design	ČSN EN 1539, cl. 5, 6, Annex C	Dryers and ovens	A, D
12.14*	Check od design	ČSN EN 1755, cl. 4.3, 4.4.3, 4.5.4, 4.6.2.5, 4.8.1.1, 4.8.3.1, 4.8.5, 4.8.6, 4.9.5.4	Industrial trucks	A, D
12.15*	Check od design	ČSN EN ISO 80079-36, cl. 6.7.2; ISO 80079-36, cl. 6.7.2; ČSN EN ISO 80079-37, cl. 5.6.2, 8.2; ISO 80079-37, cl. 5.6.2, 8.2	Non-electrical equipment for explosive atmospheres	A, D
12.16*	Check od design	ČSN EN ISO 80079-38, cl. 4, 5, 6	Equipment and components in explosive atmospheres in underground mines	A, D
12.17*	Check od design	ČSN EN 50223 ed. 3, cl. 5	Stationary electrostatic application equipment for ignitable flock material	A, D
12.18*	Check od design	ČSN EN 50381, cl. 14.8, 15.5	Transportable ventilated rooms	A, D
12.19*	Check od design	ČSN EN 60079-2 ed. 3, cl. 17.1; IEC 60079-2, cl. 17.1	Equipment for explosive atmospheres – protection by pressurized enclosure	A, D
12.20*	Check od design	ČSN EN 60079-13 ed. 2, cl. 6.4.7, 7.5.6; IEC 60079-13, cl. 6.4.7, 7.5.6	Equipment protected by pressurized room "p" and artificially ventilated room "v"	A, D
12.21*	Check od design	ČSN EN 14986 ed. 3, cl. 4.4, 4.6	Fans	A, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
12.22*	Check od design	ČSN EN ISO 16852:2018, cl. 7.1; ČSN EN ISO/IEC 80079-49, cl. 7.1	Flame arresters	A, D
12.23*	Check od design	ČSN EN 14591-2, cl. 5.2.1, 5.2.3	Passive water trough barriers	A, D
12.24*	Check od design	ČSN EN 60079-1 ed. 3, cl. 15.4.1; IEC 60079-1, cl. 15.4.1	Equipment for explosive atmospheres – protection by flameproof enclosure	A, D
12.25*	Check od design	ČSN EN 14373, cl. 5; ČSN EN 14460, cl. 4, 5; ČSN EN 14491, cl. 4, 6, 7; ČSN EN 14797, cl. 4, 5, 6; ČSN EN 14994, cl. 4, 5, 6; ČSN EN 15089, cl. 4, 5, 6	Explosion protection	A, D
12.26*	Measurement of creepage distances and clearances	ČSN EN 61010-1 ed. 2, cl. 6.7	Electrical equipment for measurement, control, and laboratory use	A, D
12.27*	Measurement of creepage distances and clearances	ČSN EN IEC 60598-1 ed. 8, cl. 13	Luminaires	A, D
12.28*	Measurement of creepage distances and clearances	ČSN EN IEC 60335-1 ed. 4, cl. 29	Household and similar electrical appliances	A, D
12.29*	Measurement of creepage distances and clearances	ČSN EN 60745-1 ed. 3, cl. 28	Hand-held motor-operated electric tools	A, D
12.30*	Measurement of creepage distances and clearances	ČSN EN IEC 61347-1 ed. 4, cl. 13	Controlgear for electric light sources	A, D
13	**Impact test**			
13.1*	Impact test	ČSN EN IEC 60079-0 ed. 5, cl. 26.4.2, 26.4.4, 26.10.3, Annex C; IEC 60079-0, cl. 26.4.2, 26.4.4, 26.10.3, Annex C	Equipment for explosive atmospheres	A, D
13.2*	Impact test	ČSN EN IEC 60079-0 ed. 5, cl. A.3.3; IEC 60079-0, cl. A.3.3	Cable glands	A, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
13.3*	Impact test	ČSN EN 60079-35-1, cl. 8.1; IEC 60079-35-1, cl. 8.1	Caplights for use in mines susceptible to firedamp	A, D
13.4*	Impact test	ČSN EN 50050-1, cl. 5.3.2; ČSN EN 50050-2, cl. 5.3.2; ČSN EN 50050-3, cl. 5.3.2	Electrostatic hand-held spraying equipment	A, D
13.5*	Impact test	ČSN EN 13617-1 ed. 2, cl. 6.1.2.2, 6.1.4.3; ČSN EN 13617-2 ed. 2, Annex B.3; ČSN EN 13617-3 ed. 2, Annex B.3	Petrol filling stations	A, D
13.6*	Impact test	ČSN EN ISO 80079-36, cl. 8.3.1, 8.3.3; ISO 80079-36, cl. 8.3.1, 8.3.3	Non-electrical equipment for explosive atmospheres	A, D
13.7*	Impact test	ČSN EN 14986 ed. 3, cl. 4.4.1	Fans	A, D
13.8*	Impact test	ČSN EN 14678-1, cl. 5.2.1	LPG equipment	A, D
13.9*	Impact test	ČSN EN ISO 179-1	Plastic materials	A, D
13.10*	Impact test	ČSN EN 50059 ed. 3, cl. 6.2.2	Cables and hoses	A, D
14	**Climatic tests**			
14.1	Climatic tests	ČSN EN 60079-18 ed. 3, cl. 8.2.3; IEC 60079-18, cl. 8.2.3	Equipment for explosive atmospheres – protection by encapsulation	A, D
14.2	Climatic tests	ČSN EN IEC 60079-0 ed. 5, cl. 26.8, 26.9, 26.10.1, 26.10.2; IEC 60079-0, cl. 26.8, 26.9, 26.10.1, 26.10.2	Equipment for explosive atmospheres	A, D
14.3	Climatic tests	ČSN EN ISO 80079-36, cl. 7.4; ISO 80079-36, cl. 7.4	Non-electrical equipment for explosive atmospheres	A, D
14.4	Enviromental testing	ČSN EN 60068-2-1 ed. 2; ČSN EN 60068-2-2; ČSN EN 60068-2-30 ed. 2; ČSN EN 60068-2-78 ed. 2	Equipment	A, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
14.5	Climatic tests	ČSN EN 60079-15 ed. 3:2010, cl. 22.3.1; IEC 60079-15:2010, cl. 22.3.1	Equipment for explosive atmospheres protected by type of protection “n”	A, D
14.6	Test of resistance to humidity	ČSN EN IEC 61347-1 ed. 4, cl. 10.2	Controlgear for electric light sources	A, D
14.7	Test of resistance to humidity	ČSN EN IEC 60598-1 ed. 8, cl. 11	Luminaires	A, D
14.8	Test of resistance to humidity	ČSN EN IEC 60335-1 ed. 4, cl. 15.2; ČSN EN IEC 60335-2-41 ed. 3, cl. 15	Household and similar electrical appliances	A, D
14.9	Test of resistance to humidity	ČSN EN 60745-1 ed. 3, cl. 14	Hand-held motor-operated electric tools	A, D
14.10	Test of resistance to ageing	ČSN EN 60669-1 ed. 3, cl. 15.1	Switches	A, D
15	**Pressure tests**			
15.1*	Pressure test	ČSN EN 60079-1 ed. 3, cl. 6.1.2, 15.1, 15.2, 15.4.1, 15.4.2, 16, Annex G 4.1; IEC 60079-1, cl. 6.1.2, 15.1, 15.2, 15.4.1, 15.4.2, 16, Annex G 4.1	Equipment for explosive atmospheres– protection by flameproof enclosure	A, D
15.2*	Pressure test	ČSN EN 60079-5 ed. 2, cl. 5.1.1; IEC 60079-5, cl. 5.1.1	Equipment for explosive atmospheres – protection by powder filling	A, D
15.3*	Pressure test	ČSN EN 60079-2 ed. 3, cl. 16.1, 16.2, 16.7, 16.8; IEC 60079-2, cl. 16.1, 16.2, 16.7, 16.8	Equipment for explosive atmospheres – protection by pressurized enclosure	A, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
15.4*	Pressure test	ČSN EN 60079-13 ed. 2, cl. 6.4.3; IEC 60079-13, cl. 6.4.3	Equipment for explosive atmospheres – protection by pressurized room and artificially ventilated room	A, D
15.5*	Pressure test	ČSN EN 60079-6 ed. 2, cl. 6.1.1, 6.1.2, 6.1.3, 6.2; IEC 60079-6, cl. 6.1.1, 6.1.2, 6.1.3, 6.2	Equipment for explosive atmospheres – protection by liquid immersion	A, D
15.6*	Pressure test	ČSN EN 13617-1 ed. 2, cl. 6.1.3, 6.1.6, 6,2,1, 6.2.2	Petrol filling stations	A, D
15.7*	Pressure test	ČSN EN 60079-18 ed. 3, cl. 8.2.6; IEC 60079-18, cl. 8.2.6	Equipment for explosive atmospheres – protection by encapsulation	A, D
15.8*	Pressure test	ČSN EN 60079-31 ed. 2, cl. 6.1.1.3; ČSN EN IEC 60079-31 ed. 3, cl. 6.1.1.3; IEC 60079-31, cl. 6.1.1.3	Equipment for explosive atmospheres – equipment dust ignition protection by enclosure	A, D
15.9*	Pressure test	ČSN EN ISO 80079-37, cl. 8.3; ISO 80079-37, cl. 8.3	Non-electrical equipment for explosive atmospheres	A, D
15.10*	Pressure test	ČSN EN 14591-2, cl. 5.2.2	Passive water trough barriers	A, D
15.11*	Pressure test	ČSN EN 50381, cl. 14.3, 14.7	Transportable ventilated rooms	A, D
15.12*	Pressure test	ČSN EN 13617-2 ed. 2, Annex B.5, B.6; ČSN EN 13617-3 ed. 2, Annex B.5, B.6	Petrol filling stations	A, D
16	**Non-transmission testes**			
16.1	Non-transmission testes	ČSN EN 60079-35-1, cl. 8.4, 8.5; IEC 60079-35-1, cl. 8.4, 8.5	Luminaires	A, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
16.2	Non-transmission testes	ČSN EN 60079-28 ed. 2, cl. 5.2.4, 6; IEC 60079-28, cl. 5.2.4, 6	Equipment for explosive atmospheres – protection of equipment and transmission systems using optical radiation	A, D
16.3	Non-transmission testes	ČSN EN 60079-1 ed. 3, cl. 15.2, 15.3, 15.4.3, 15.4.4, 15.5, 19.3, 19.4, Annex D; IEC 60079-1, cl. 15.2, 15.3, 15.4.3, 15.4.4, 15.5, 19.3, 19.4, Annex D	Equipment for explosive atmospheres – protection by flameproof enclosure	A, D
16.4	Non-transmission testes	ČSN EN IEC 60079-15 ed. 4, cl. 11.1; IEC 60079-15, cl. 11.1; ČSN EN 60079-15 ed. 3:2010, cl. 22.4; IEC 60079-15:2010, cl. 22.4	Equipment for explosive atmospheres protected by type of protection “n”	A, D
16.5	Non-transmission testes	ČSN EN 60079-11 ed. 2, cl. 10.1; IEC 60079-11, cl. 9.1	Equipment for explosive atmospheres – protection by intrinsic safety	A, D
16.6	Non-transmission testes	ČSN EN 50050-1, cl. 5.5, Annex B; ČSN EN 50050-2, cl. 5.5, Annex B; ČSN EN 50050-3, cl. 5.5, Annex B; ČSN 34 1382, cl. 6.16.3	Electrostatic spraying equipment	A, D
16.7	Non-transmission testes	ČSN EN ISO/IEC 80079-38, cl. 4.1, Annex E	Equipment and components in explosive atmospheres in underground mines	A, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
16.8	Non-transmission testes	ČSN EN 50303, cl. 9.3	Group I, Category M1 equipment intended to remain functional in atmospheres endangered by firedamp and/or coal dust	A, D
16.9	Non-transmission testes	ČSN EN 1834-1, cl. 6.2; ČSN EN 1834-2, cl. 6.2, 6.3; ČSN EN 1834-3, cl. 6.2, 6.3	Reciprocating internal combustion engines	A, D
16.10	Non-transmission testes	ČSN EN 13617-1 ed. 2, cl. 6.1.4.6	Petrol filling stations	A, D
17	**Tests of optical irradiance**			
17.1	Tests of optical irradiance	ČSN EN 60079-28 ed. 2, cl. 5.2.2.2, 5.2.2.3; IEC 60079-28, cl. 5.2.2.2, 5.2.2.3	Equipment for explosive atmospheres – Protection of equipment and transmission systems using optical radiation	A, D
18	**Mechanical tests**			
18.1	Mechanical tests	ČSN EN IEC 60079-0 ed. 5, cl. A.3.1, A.3.2; IEC 60079-0, cl. A.3.1, A.3.2; ČSN EN 60079-1 ed. 3, cl. C.3; IEC 60079-1, cl. C.3	Cable glands	A, D
18.2	Tensile test	ČSN EN 60079-18 ed. 3, cl. 8.2.5; IEC 60079-18, cl. 8.2.5; ČSN EN 60079-11 ed. 2, cl. 10.9; IEC 60079-11, cl. 9.4.4; ČSN EN 50050-1 cl. 5.3.1; ČSN EN 50050-2, cl. 5.3.1; ČSN EN 50050-3, cl. 5.3.1	Cables	A, D
18.3	Test of strength verification	ČSN EN 60079-35-1, cl. 8.8; IEC 60079-35-1, cl. 8.8	Cable glands	A, D
18.4	Tensile test	ČSN EN 50059 ed. 3, cl. 6.1.4	Cables and hoses	A, D
18.5	Tests of insullation materials	ČSN EN 60079-7 ed. 3, cl. 4.2.3.5, 6.10 IEC 60079-7, cl. 4.2.3.5, 6.10	Bushings	A, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
18.6	Test of stability	ČSN EN 13617-1 ed. 2, cl. 6.1.5; ČSN EN 13617-2 ed. 2, Annex B.7 to B.12; ČSN EN 13617-3 ed. 2, Annex B.7 to B.12	Petrol filling stations	A, D
18.7	Mechanical tests	ČSN EN 60079-7 ed. 3, cl. 6.3.3, 6.3.9; IEC 60079-7, cl. 6.3.3, 6.3.9	Sockets and electrical parts of luminaires	A, D
18.8	Bend test under low temperature	ČSN EN 13617-1 ed. 2, cl. 6.1.4.4	Dispensing systems for flammable liquids	A, D
19	**Measurement of temperature**			
19.1*	Temperature rise test – measurement of maximum surface temperature	ČSN EN 60079-2 ed. 3, cl. 6, 15; IEC 60079-2, cl. 6, 15	Equipment for explosive atmospheres – protection by pressurized enclosure	A, D
19.2*	Measurement of maximum temperature	ČSN EN 60079-18 ed. 3, cl. 8.2.2; IEC 60079-18, cl. 8.2.2;	Equipment for explosive atmospheres – protection by encapsulation	A, D
19.3*	Thermal tests	ČSN EN IEC 60079-0 ed. 5, cl. 26.5; IEC 60079-0, cl. 26.5	Equipment for explosive atmospheres	A, D
19.4*	Thermal tests	ČSN EN 60079-31 ed. 2, cl. 6.1.2; ČSN EN IEC 60079-31 ed. 3, cl. 6.1.2; IEC 60079-31, cl. 6.1.2	Equipment for explosive atmospheres – equipment dust ignition protection by enclosure	A, D
19.5*	Thermal tests	ČSN EN 60079-5 ed. 2, cl. 4.7, 4.8; IEC 60079-5, cl. 4.7, 4.8	Equipment for explosive atmospheres – protection by powder filling	A, D
19.6*	Thermal tests	ČSN EN 60079-7 ed. 3, cl. 4.8, 5.2.8, 5.3.7 to 5.3.9, 5.4.2, 5.8.10, 5.9.2, 6.2.1, 6.3.4; IEC 60079-7, cl. 4.8, 5.2.8, 5.3.7 to 5.3.9, 5.4.2, 5.8.10, 5.9.2, 6.2.1, 6.3.4	Equipment for explosive atmospheres – protection by increased safety	A, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
19.7*	Measurement of surface temperature	ČSN EN IEC 60079-15 ed. 4, cl. 10.4.3; IEC 60079-15, cl. 10.4.3; ČSN EN 60079-15 ed. 3:2010, cl. 20.4.3; IEC 60079-15:2010, cl. 20.4.3	Luminaires with restricted-breathing enclosure	A, D
19.8*	Thermal tests	ČSN EN 60079-11 ed. 2, cl. 10.2, 10.10; IEC 60079-11, cl. 9.3, 9.12, 9.17	Intrinsically safe apparatus	A, D
19.9*	Thermal tests	ČSN EN 60034-1, cl. 8	Electromotors	A, D
19.10*	Determination of maximum surface temperature	ČSN EN ISO 80079-36, cl. 8.2; ISO 80079-36, cl. 8.2; ČSN EN ISO 80079-37, Annex B; ISO 80079-37, Annex B	Non-electrical equipment for explosive atmospheres	A, D
19.11*	Thermal tests	ČSN EN 1755, cl. 5.1	Industrial trucks	A, D
19.12*	Thermal tests	ČSN EN 14986 ed. 3, cl. 4.3	Fans	A, D
19.13*	Thermal tests	ČSN EN 50381, cl. 14.2	Transportable ventilated rooms	A, D
19.14*	Thermal tests	ČSN EN IEC 61439-1 ed. 3, cl. 9.2, 10.10	Low-voltage switchgear	A, D
19.15*	Temperature rise test	ČSN EN IEC 60598-1 ed. 8, cl. 14.4, 14.5, 14.6, 14.7	Luminaires	A, D
19.16*	Temperature rise test	ČSN EN IEC 60335-1 ed. 4, cl. 11; ČSN EN IEC 60335-2-51 ed. 3, cl. 11.2, 11.7, 11.8	Household and similar electrical appliances	A, D
19.17*	Temperature rise test	ČSN EN 61010-1 ed. 2, cl. 10.4	Electrical equipment for measurement, control, and laboratory use	A, D
19.18*	Temperature rise test	ČSN EN 60745-1 ed. 3, cl. 12	Hand-held motor-operated electric tools	A, D
19.19*	Determination of maximum surface temperature	ČSN EN 60079-11 ed. 2, cl. 10.11.2; IEC 60079-11, cl. 9.10.2.2, 9.10.2.3	Optical separators in intrinsically safe devices	A, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
20	**Pressure distribution test**			
20.1*	Pressure distribution test	ČSN EN 60079-2 ed. 3, cl. 16.3, 16.4, 16.5, 16.6, 16.8, Annex A; IEC 60079-2, cl. 16.3, 16.4, 16.5, 16.6, 16.8, Annex A; ČSN EN 60079-13 ed. 2, cl. 6.4.4, 6.4.5, 7.5.3, 7.5.4, 7.5.7.2; IEC 60079-13, cl. 6.4.4, 6.4.5, 7.5.3, 7.5.4, 7.5.7.2	Equipment for explosive atmospheres – protection by pressurized enclosure	A, D
20.2*	Pressure distribution test	ČSN EN 16985, cl. 4.7.1.1, 4.7.3.1, Annex D, H	Spray booths	A, D
20.3*	Pressure distribution test	ČSN EN 12581+A1, cl. 6.7.3	Coating plants	A, D
20.4*	Pressure distribution test	ČSN EN 50381, cl. 14.4, 14.5, 14.6	Transportable ventilated rooms	A, D
21	**Test of electric strength**			
21.1*	Test of electric strength	ČSN EN 60079-18 ed. 3, cl. 8.2.4, 9.2; IEC 60079-18, cl. 8.2.4, 9.2	Equipment for explosive atmospheres – protection by encapsulation	A, D
21.2*	Test of electric strength	ČSN EN 60079-7 ed. 3, cl. 6.1; IEC 60079-7, cl. 6.1	Equipment for explosive atmospheres – protection by increased safety	A, D
21.3*	Test of electric strength	ČSN EN 50059 ed. 3, cl. 6.1.2	Hand-held spraying equipment	A, D
21.4*	Test of electric strength	ČSN EN IEC 60079-15 ed. 4, cl. 6.2; IEC 60079-15, cl. 6.2; ČSN EN 60079-15 ed. 3:2010, cl. 6.5; IEC 60079-15:2010, cl. 6.5	Equipment for explosive atmospheres protected by type of protection “n”	A, D
21.5*	Test of electric strength	ČSN EN 60079-5 ed. 2, cl. 5.1.3; IEC 60079-5, cl. 5.1.3	Equipment for explosive atmospheres – protection by powder filling	A, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
21.6*	Test of electric strength	ČSN EN 60079-11 ed. 2, cl. 6.3.13, 8.2.3, 8.3, 8.6, 10.3, 10.10, 11.2; IEC 60079-11, cl. 6.9, 7.8.3, 7.8.4.2, 7.5, 9.6, 9.17, 10.3	Intrinsically safe apparatus	A, D
21.7*	Test of electric strength	ČSN 34 1382, cl. 6.16.2	Electrostatic properties of materials and products	A, D
21.8*	Test of electric strength	ČSN EN 50050-1, cl. 5.4.2; ČSN EN 50050-2, cl. 5.4.2; ČSN EN 50050-3, cl. 5.4.2	Electrostatic hand-held spraying equipment	A, D
21.9*	Test of electric strength	ČSN EN 13617-1 ed. 2, cl. 6.1.4.5.2, 6.1.9.3	Petrol filling stations	A, D
21.10*	Test of electric strength	ČSN EN 60204-1 ed. 3, cl. 18.4	Electrical equipment of machines	A, D
21.11*	Test of electric strength	ČSN EN 60034-1 ed. 2, cl. 9.2	Rotating electrical machines	A, D
21.12*	Test of electric strength	ČSN EN 60745-1 ed. 3, cl. 15	Hand-held motor-operated electric tools	A, D
21.13*	Test of electric strength	ČSN EN IEC 60598-1 ed. 8, cl. 12.2.3	Luminaires	A, D
21.14*	Test of electric strength	ČSN EN IEC 60335-1 ed. 4, cl. 13.3	Household and similar electrical appliances	A, D
21.15*	Test of electric strength	ČSN EN IEC 61347-1 ed. 4, cl. 10.3	Controlgear for electric light sources	A, D
21.16*	Test of dielectric strength	ČSN EN 60079-11 ed. 2, cl. 10.11.3.2, 10.11.3.5; IEC 60079-11, cl. 9.10.3.2, 9.10.3.4	Optical separators in intrinsically safe devices	A, D
22	**Test of encapsulation material**			
22.1	Test of encapsulation material	ČSN EN 60079-18 ed. 3, cl. 8.1; IEC 60079-18, cl. 8.1	Equipment for explosive atmospheres – protection by encapsulation "m"	A, D
22.2	Test of encapsulation material	ČSN EN 60079-11 ed. 2, cl. 10.6; IEC 60079-11, cl. 9.4	Intrinsically safe apparatus	A, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
23	**Measurement of insulation resistance**			
23.1*	Measurement of insulation resistance	ČSN EN 60079-7 ed. 3, cl. 6.6.2, 6.7.2; IEC 60079-7, cl. 6.6.2, 6.7.2	Equipment for explosive atmospheres – protection by increased safety	A, D
23.2*	Measurement of insulation resistance	ČSN EN 13617-1 ed. 2, cl. 6.1.4.5.3, 6.1.9.2, 6.1.9.5	Petrol filling stations	A, D
23.3*	Measurement of insulation resistance	ČSN EN 60204-1 ed. 3, cl. 18.3	Electrical equipment of machines	A, D
23.4*	Measurement of insulation resistance	ČSN EN IEC 60034-27-4, cl. 6.3.2.2, 6.7.1	Rotating electrical machines	A, D
23.5*	Test of insulation resistance	ČSN EN IEC 60335-1 ed. 4, cl. 16.3	Household and similar electrical appliances	A, D
23.6*	Test of insulation resistance	ČSN EN IEC 60598-1 ed. 8, cl. 12.2.2	Luminaires	A, D
24	**Drop test**			
24.1	Drop test	ČSN EN 60079-35-1, cl. 8.2; IEC 60079-35-1, cl. 8.2	Explosion-proof equipment	A, D
24.2	Drop test	ČSN EN IEC 60079-0 ed.5, cl. 26.4.3, 26.4.4; IEC 60079-0, cl. 26.4.3, 26.4.4	Equipment for explosive atmospheres	A, D
24.3	Drop test	ČSN EN 50050-1, cl. 5.3.3; ČSN EN 50050-2, cl. 5.3.3; ČSN EN 50050-3, cl. 5.3.3	Electrostatic hand-held spraying equipment	A, D
24.4	Drop test	ČSN EN 50059 ed. 3, cl. 6.2.3	Cables and hoses	A, D
24.5	Drop test	ČSN EN ISO 80079-36, cl. 8.3.2, 8.3.3; ISO 80079-36, cl. 8.3.2, 8.3.3	Non-electrical equipment for explosive atmospheres	A, D
25	**Test of physical properties of primary and secondary cells**			
25.1	Test of physical properties of primary and secondary cells	ČSN EN 60079-7 ed. 3, cl. 6.6.1, 6.6.3,6.6.4, 6.7.1, 6.7.3, 6.7.4; IEC 60079-7, cl. 6.6.1, 6.6.3,6.6.4, 6.7.1, 6.7.3, 6.7.4; ČSN EN 60079-11 ed. 2, cl. 10.5; IEC 60079-11, cl. 9.14	Batteries and accumulators	A, D
26	**Torsional test**			

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
26.1	Torsional test	ČSN EN IEC 60079-0 ed. 5, cl. 26.6; IEC 60079-0, cl. 26.6	Bushings	A, D
27	**Thermal shock test**			
27.1	Thermal shock test	ČSN EN IEC 60079-0 ed 5, cl. 26.5.2; IEC 60079-0, cl. 26.5.2; ČSN EN ISO 80079-36, cl. 8.4.9; ISO 80079-36, cl. 8.4.9	Light enclosures, inspection windows	A, D
28	**Test of breathing and draining devices**			
28.1	Test of breathing and draining devices	ČSN EN 60079-1 ed. 3, cl. 10.9, 15.4, Annex B; IEC 60079-1, cl. 10.9, 15.4, Annex B	Equipment for explosive atmospheres– protection by flameproof enclosure	A, D
28.2	Test of breathing and draining devices	ČSN EN 24003, cl. 3 to 8; ČSN EN ISO 2738, cl. 5 to 11	Sintered metal meatrials	A, D
29	**Thermal air conditioning and test of dielectric strength**			
29.1	Thermal air conditioning and test of dielectric strength	ČSN EN 60079-11 ed. 2, cl. 10.11.2.3; IEC 60079-11, cl. 9.10.2.4	Optical separators in intrinsically safe devices	A, D
30	**Test of optical separators and faultless PCB paths**			
30.1	Test of optical separators and faultless PCB paths	ČSN EN 60079-11 ed. 2, cl. 10.12; IEC 60079-11, cl. 9.5	Intrinsically safe apparatus	A, D
31	**Test of resistance against chemical agents**			
31.1	Test of resistance against chemical agents	ČSN EN IEC 60079-0 ed. 5, cl. 26.11; IEC 60079-0, cl. 26.11	Plastic enclosures	A, D
31.2	Test of resistance against chemical agents	ČSN EN ISO 80079-36, cl. 8.4.6; ISO 80079-36, cl. 8.4.6	Non-electrical equipment for explosive atmospheres	-
31.3	Test of resistance against chemical agents	ČSN EN 60079-35-1, cl. 8.6; IEC 60079-35-1, cl. 8.6	Caplights for use in mines susceptible to firedamp	-

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
31.4	Test of resistance against chemical agents	ČSN EN 13617-1 ed. 2, cl. 6.1.4.2, 6.1.7, 6.1.8; ČSN EN 13617-2 ed. 2, Annex B.2; ČSN EN 13617-3 ed. 2, Annex B.2	Petrol filling stations	-
32	**Test of flame resistance**			
32.1*	Test of flame resistance	ČSN EN 60079-1 ed. 3, cl. 19.4; IEC 60079-1, cl. 19.4	Plastic enclosures	A, D
32.2	Test of burning resistance	ČSN EN 60695-11-10 ed. 2, cl. 9	Electrotechnical products	A, D
32.3	Test of burning resistance	ČSN EN ISO 10497, cl. 4, 5, 6, 7	Valves	-
32.4	Test of burning resistance	ČSN EN 60079-35-1, cl. 8.7; IEC 60079-35-1, cl. 8.7	Cables	-
32.5	Test of burning resistance	ČSN EN 14986 ed. 3, cl. 4.21	Fans	-
33	**Overspeed test**			
33.1	Overspeed test	ČSN EN 60079-7 ed. 3, cl. 6.2.4; IEC 60079-7, cl. 6.2.4	Equipment for explosive atmospheres – protection by increased safety	A, D
34	**Type test of block barriers**			
34.1	Type test of block barriers	ČSN EN 60079-11 ed. 2, cl. 10.8; IEC 60079-11, cl. 9.16	Intrinsically safe apparatus	
35	**Test of tightness and dust proofness**			
35.1	Test of tightness and dust proofness	ČSN EN IEC 60079-15 ed. 4, cl. 11.2; IEC 60079-15, cl. 11.2; ČSN EN 60079-15 ed. 3:2010, cl. 22.5; IEC 60079-15:2010, cl. 22.5	Equipment for explosive atmospheres protected by type of protection “n”	A, D
35.2	Test of tightness and dust proofness	ČSN EN 60079-1 ed. 3, Annex G.4.2, G.4.3; IEC 60079-1, Annex G.4.2, G.4.3	Equipment for explosive atmospheres – protection by flameproof enclosure	A, D
35.3	Test of tightness and dust proofness	ČSN EN 1834-1, cl. 6.5; ČSN EN 1834-3, cl. 6.4	Reciprocating internal combustion engines	A, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
36	**Test of enclosures with restricted-breathing**			
36.1*	Test of enclosures with restricted-breathing	ČSN EN IEC 60079-15 ed. 4, cl. 11.3, 12.2.2; IEC 60079-15, cl. 11.3, 12.2.2.1; ČSN EN 60079-15 ed. 3:2010, cl. 22.6; IEC 60079-15:2010, cl. 22.6	Equipment for explosive atmospheres protected by type of protection “n”	A, D
37	**Tests of ballasts, starters and igniters**			
37.1	Tests of ballasts, starters and igniters	ČSN EN 60079-7 ed. 3, cl. 6.3.8, Annex G; IEC 60079-7, cl. 6.3.8, Annex G	Support devices for lights	A, D
38	**Tests of ignition temperature**			
38.1	Tests of ignition temperature	ČSN EN ISO/IEC 80079-20-2, cl. 5.2, 8.2	Combustible dust	A, D
39	**Measurement of electric resistivity**			
39.1	Measurement of electric resistivity	ČSN EN ISO/IEC 80079-20-2, cl. 4, 8.4	Dust	A, D
40	**Tests of spark arrestors**			
40.1	Tests of spark arrestors	ČSN EN 1834-1, cl. 5.10, 6.4; ČSN EN 1834-2, cl. 5.9, 6.4; ČSN EN 1834-3, cl. 5.6, 6.3	Reciprocating internal combustion engines	A, D
41	**Tests of safety shut-down systems**			
41.1*	Tests of safety shut-down systems	ČSN EN 1834-1, cl. 5.15, 6.3; ČSN EN 1834-2, cl. 5.15, 6.3; ČSN EN 1834-3, cl. 5.12, 6.2	Reciprocating internal combustion engines	A, D
42	**Verification of electrostatic properties**			
42.1*	Measurement of capacity	ČSN EN IEC 60079-0 ed. 5, cl. 26.14; IEC 60079-0, cl. 26.14; ČSN EN 60079-32-2, cl. 4.10	Non-metallic materials	A, D
42.2*	Measurement of surface resistance	ČSN 34 1382, cl. 6.1; ČSN EN IEC 60079-0 ed. 5, cl. 26.13; IEC 60079-0, cl. 26.13; ČSN EN 60079-32-2, cl. 4.2; ČSN EN 61340-2-3 ed. 2, cl. 8.4.1, 8.4.4; ČSN EN 13794, cl. 7.4; ČSN EN 80079-36, cl. 8.4.8, Annex D; ISO 80079-36, cl. 8.4.8, Annex D	Non-metallic materials	A, D

The Appendix is an integral part of
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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
42.3*	Measurement of surface resistance	ČSN 34 1382, cl. 6.3	Textiles and foils	A, D
42.4*	Measurement of surface resistance	ČSN 34 1382, cl. 6.5	V-belts	A, D
42.5*	Measurement of surface resistance	ČSN 34 1382, cl. 6.6	Conveyor belts	A, D
42.6*	Measurement of surface resistance	ČSN 34 1382, cl. 6.8	Flat belts	A, D
42.7*	Measurement of surface resistance	ČSN 34 1382, cl. 6.9	Tyres	A, D
42.8*	Measurement of surface and volume resistance	ČSN 34 1382, cl. 6.7	Hoses and pipes	A, D
42.9*	Measurement of surface and volume resistance	ČSN 34 1382, cl. 6.17	Materials and products of plastic and rubber	A, D
42.10*	Measurement of volume resistance	ČSN 34 1382, cl. 6.2; ČSN EN 61340-2-3 ed. 2, cl. 8.4.2; ČSN IEC 62631-3-1 ed. 2, cl. 5.2	Solid materials	A, D
42.11*	Measurement of volume resistance	ČSN 34 1382, cl. 6.4	Textiles and foils	A, D
42.12*	Measurement of volume resistance	ČSN 34 1382, cl. 6.10	Footwear	A, D
42.13*	Measurement of volume resistence	ČSN 34 1382, cl. 6.11, 12	Floors	A, D
42.14*	Measurement of surface resistivity	ČSN EN 60079-32-2, cl. 4.3; ČSN EN 61340-2-3 ed. 2, cl. 9.1	Non-metallic materials	A, D
42.15*	Measurement of volume resistivity	ČSN 34 1382, cl. 6.13	Liquids	A, D
42.16*	Measurement of volume resistivity	ČSN 34 1382, cl. 6.14; ČSN EN 60079-32-2, cl. 4.8	Bulk materials	A, D
42.17*	Measurement of volume resistivity	ČSN EN 60079-32-2, cl. 4.4; ČSN EN 61340-2-3 ed. 2, cl. 9.2	Non-metallic materials	A, D
42.18*	Measurement of volume resistivity	ČSN EN 21178, cl. 8.1	Conveyors belt	A, D
42.19*	Measurement of leakage resistance	ČSN 34 1382, cl. 6.15; ČSN EN 60079-32-2, cl. 4.5	Non-metallic materials	A, D
42.20*	Measurement of conductivity	ČSN EN 60079-32-2, cl. 4.9	Liquids	A, D
42.21*	Measurement of resistance	ČSN EN 60079-32-2, cl. 4.6; ČSN EN 61340-4-3 ed. 2, cl. 8	Footwear	A, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
42.22*	Measurement of resistance	ČSN EN 60079-32-2, cl. 4.7	Gloves	A, D
42.23*	Test of charge	ČSN EN 60079-32-2, cl. 4.11, 4.13; ČSN EN 80079-36, Annex D; ISO 80079-36, Annex D; ČSN EN IEC 60079-0 ed. 5, cl. 26.17; IEC 60079-0, cl. 26.17	Non-metallic materials	A, D
42.24*	Measurement of breakthrought voltage	ČSN EN 60079-32-2, cl. 4.14	Non-metallic materials	A, D
42.25*	Measurement of resistance to ground	ČSN EN 50050-1, cl. 5.2.2; ČSN EN 50050-2, cl. 5.2.2; ČSN EN 50050-3, cl. 5.2.2 ČSN EN 50059 ed. 3, cl. 6.1.3, 6.1.4	Spraying equipment	A, D
42.26*	Measurement of resistance to ground	ČSN EN 61340-2-3 ed. 2, cl. 8.4	Non-metallic materials	A, D
42.27*	Measurement of electrostatic properties	ČSN EN 50176 ed. 2, cl. 5.4.3, 5.7	Stationary electrostatic application equipment for ignitable liquid coating material	A, D
42.28*	Measurement of electrostatic properties	ČSN EN 50177 ed. 3, cl. 5.4.3, 5.7	Stationary electrostatic application equipment for ignitable coating powders	A, D
42.29*	Measurement of electrostatic properties	ČSN 65 0201, cl. 5.2	Production, processing and stocking areas for flamable liquids	A, D
42.30*	Measurement of resistance	ČSN EN 1761, cl. 9; ČSN EN ISO 8031, cl. 4, 5, 6, 7; ČSN EN 1360, cl. 8; ČSN EN ISO 8028, cl. 8.3 ČSN EN 1762, cl. 8	Rubber and plastics hoses	A, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
42.31*	Measurement of electrical resistance	ČSN EN ISO 20344, cl. 4, 5.13; ČSN EN ISO 20345 ed. 2, cl. 6.2.2; ČSN EN ISO 20346, cl. 6.2.2; ČSN EN ISO 20347, cl. 6.2.2	Footwear	A, D
42.32*	Measurement of electrical resistance	ČSN EN ISO 21178, cl. 5.1.5, 6.5, 7.1.4	Conveyor belts	A, D
42.33*	Measurement of electrical field	ČSN EN ISO 21179, cl. 6	Conveyor belts	A, D
42.34*	Measurement of specific surface resistance	ČSN EN 1149-1, cl. 4	Protective clothing	A, D
42.35*	Measurement of internal resistance	ČSN EN 1149-2, cl. 7	Protective clothing	A, D
42.36*	Measurement of conductivity	ČSN EN ISO 284, cl. 4.5	Conveyor belts	A, D
42.37*	Measurement of point to point resistence	ČSN EN 61340-4-1, cl. 9.2; ČSN EN 1081+A1, cl. 8	Floors	A, D
42.38*	Mesurement of vertical resistance	ČSN EN 61340-4-1, cl. 9.3; ČSN EN 1081+A1, cl. 6	Floors	A, D
42.39*	Measurement to resistance to ground	ČSN EN 61340-4-1, cl. 9.4; ČSN EN 1081+A1, cl. 7	Floors	A, D
42.40*	Measurement of electrostatic properties	ČSN EN 61340-4-4, cl. 9	Flexible containers	A, D
42.41*	Measurement of electrostatic properties	ČSN EN IEC 61340-5-1 ed. 3, Annex A	Protection of electronic devices from electrostatic phenomena	A, D
42.42*	Measurement of electrostatic properties	ČSN EN 1834-1, cl. 5.13; ČSN EN 1834-2, cl. 5.12, 5.13; ČSN EN 1834-3, cl. 5.9, 5.10	Reciprocating internal combustion engines	A, D
42.43*	Measurement of surface resistance	ČSN EN IEC 62631-3-2 ed. 2, cl. 5	Solid electroinsulating materials	A, D
42.44*	Measurement of volume resistivity	ČSN IEC 62631-3-1 ed. 2, cl. 5.3	Solid electroinsulating materials	A, D
42.45*	Measurement of surface resistivity	ČSN EN IEC 62631-3-2, cl. 6	Solid electroinsulating materials	A, D
42.46*	Measurement of insulation resistance	ČSN EN 62631-3-3, cl. 5	Solid electroinsulating materials	A, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
42.47*	Measurement of electrostatic properties	ČSN EN 62631-1, cl. 4 to 7	Solid electroinsulating materials	A, D
42.48*	Measurement of circuit resistance	ČSN EN 1755, cl. 5.2.1	Industrial trucks	A, D
42.49*	Measurement of capacity	ČSN EN 1755, cl. 5.2.2	Industrial trucks	A, D
42.50*	Measurement of conductivity	ISO 1813	Conveyor belts	A, D
42.51*	Measurement of electrical resistance	ČSN EN ISO 22637, cl. 7	Adhesives	A, D
42.52*	Measurement of electrostatic properties	ČSN EN 13483, cl. 8.3	Rubber and plastic hoses	A, D
42.53*	Measurement of electrostatic properties	ČSN EN 14591-2, cl. 5.3	Passive water trough barriers	A, D
42.54*	Measurement of electrostatic properties	ČSN EN 13617-2 ed. 2, Annex B.16; ČSN EN 13617-3 ed. 2, Annex B.16	Petrol filling stations	A, D
42.55*	Measurement of capacity and maximum voltage value on piezoelectric cell	ČSN EN 60079-11 ed. 2, cl. 10.7; IEC 60079-11, cl. 9.11	Intrinsically safe apparatus	A, D
43	**Walking test**			
43.1	Walking test	ČSN EN 1815	Floor coverings	-
44	**Ignition test**			
44.1	Ignition test	ČSN EN 60079-32-2, cl. 4.12	Non-metallic materials	-
44.2	Ignition test	ČSN EN IEC 60079-0 ed. 5, cl. 26.5.3; IEC 60079-0, cl. 26.5.3	Small components	-
45	**Test of resistance to flame**			
45.1*	Test of resistance to flame	UN ECE Regulation No. 67 R 1, Annex 10, cl. 2.6	LPG tanks	A, D
46	**Test of resistance to flame**			
46.1*	Test of resistance to flame	UN ECE Regulation No. 110, Annex 6, cl. A15	CNG tanks	A, D
47	**Explosion test**			

The Appendix is an integral part of
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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
47.1*	Explosion test	Method MAN M66; Method M82; ČSN EN 14373+A1, cl. 7, 5.3; ČSN EN 14460, cl. 6.3; ČSN EN 14491, cl. 5; ČSN EN 14797, cl. 7; ČSN EN 15089, cl. 7, 8; ČSN EN 16009, cl. 6; ČSN EN 16020, cl. 5, 6; ČSN EN 16447, cl. 5	Protective systems	A, D
48	**Measurement of static safety positive and negative pressure**			
48.1*	Measurement of static safety positive and negative pressure	ČSN EN 14797, cl. 7.2	Venting devices	A, D
49	**Tests of actuators**			
49.1	Tests of actuators	ČSN EN 14373+A1, cl. 5.3	Suppression systems	A, D
50	**Measurement of the maximum experimantal safety gap**			
50.1	Measurement of the maximum experimantal safety gap	ČSN EN ISO/IEC 80079-20-1, cl. 4.1, 6	Flammable gases and vapours	-
51	**Measurement of closing time**			
51.1*	Measurement of closing time	ČSN EN 15089, cl. 4, 5, 6, 7, 8	Explosion proof valves and flaps	-
52	**Tests of control unit**			
52.1	Tests of control unit	ČSN EN 14373+A1, cl. 5.3	Suppression systems	A, D
53	**Hydrostatic pressure test**			
53.1*	Hydrostatic pressure test	ČSN EN 14460, cl. 6.3	Explosion resistant equipment	A, D
54	**Functional tests – test of pressure resistance and tightness**			
54.1*	Functional tests – test of pressure resistance and tightness	ČSN EN 13012 ed. 2, cl. 5, 6, 7, Annex A, B	Dispenzing nozzles	A, D
54.2*	Functional tests – test of pressure resistance and tightness	ČSN EN 1761, cl. 7, 8, Annex D; ČSN EN 1360, cl. 8.2; ČSN EN ISO 8028, cl. 8.1, 8.2; ČSN EN ISO 1402, cl. 4 to 9; ČSN EN 13483, cl. 8.2, 8.3, Annex B, I; ČSN EN 13765; Annex H, J	Rubber and plastic hoses and hose assemblies for fuel dispensing systems	A, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
54.3*	Functional tests – test of pressure resistance and tightness	ČSN EN 13617-2 ed. 2, Annex B; ČSN EN 13617-3 ed. 2, Annex B; ČSN EN 13760, cl. 5.3, 5.4; ČSN EN 14678-1, cl. 5.2, 5.3; ČSN EN 14678-2+A1, cl. 6.1, 6.2	Dispensing systems for LPG and its components	A, D
55	**Test of resistance to transported substance**			
55.1	Test of resistance to transported substance	ČSN EN 13012 ed. 2, Annex A; ČSN EN 1761, cl. 7; ČSN EN 1360, cl. 8, 8.1; ČSN EN ISO 8028, cl. 8.1; ČSN EN 1762, cl. 7, 8	Dispensing systems for flammable liquids	A, D
56	**Burning test**			
56.1	Burning test	ČSN EN 1761, cl. 7; ČSN EN 1762, Annex A; ČSN EN 13483, cl. 8.2, Annex H	Dispensing systems for flammable liquids	A, D
57	**Test of dimension changes, resistance to bend**			
57.1	Test of dimension changes, resistance to bend	ČSN EN 1761, cl. 6; ČSN EN 1360, cl. 7; ČSN EN ISO 8028, cl. 9; ČSN EN 1762, cl. 6; ČSN EN 13483, cl. 8.2, 8.3, Annex C, F, J	Dispensing systems for flammable liquids	A, D
58	**Test of protection against accidental contact with live and moving parts**			
58.1	Test of protection against accidental contact with live and moving parts	ČSN EN IEC 60335-1 ed. 4, cl. 8	Household electrical appliances	A, D
58.2	Test of protection against accidental contact with live and moving parts	ČSN EN IEC 60598-1 ed. 8, cl. 9, 10	Luminaires	A, D
58.3	Test of protection against accidental contact with live and moving parts	ČSN EN 61010-1 ed. 2, cl. 6.2, 6.3	Electrical equipment for measurement, control, and laboratory use	A, D
58.4	Test of protection against accidental contact with live and moving parts	ČSN EN IEC 61347-1 ed. 4, cl. 9	Controlgear for electric light sources	A, D
59	**Measurement of power, current and voltage**			
59.1*	Measurement of power, current and voltage	ČSN EN IEC 60335-1 ed. 4, cl. 10	Household and similar electrical appliances	A, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
60	**Test of leakage current**			
60.1*	Test of leakage current	ČSN EN IEC 60335-1 ed. 4, cl. 13.2	Household and similar electrical appliances	A, D
60.2	Test of leakage current	ČSN EN IEC 60598-1 ed. 8, Annex G	Luminaires	A, D
60.3	Test of leakage current	ČSN EN 60745-1 ed. 3, cl. 13	Hand-held motor-operated electric tools	A, D
61	**Test of mains lead fastening**			
61.1*	Test of mains lead fastening	ČSN EN IEC 60335-1 ed. 4, cl. 25; ČSN EN IEC 60335-2-41 ed. 3, cl. 25; ČSN EN IEC 60335-2-51 ed. 3, cl. 25	Household and similar electrical appliances	A, D
61.2	Test of mains lead fastening	ČSN EN IEC 60598-1 ed. 8, cl. 17	Luminaires	A, D
62	**Test of abnormal operation**			
62.1	Test of abnormal operation	ČSN EN IEC 60335-1 ed. 4, cl. 19; ČSN EN IEC 60335-2-41 ed. 3, cl. 19; ČSN EN IEC 60335-2-51 ed. 3, cl. 19.1, 19.101	Electrical equipment	A, D
62.2	Test of abnormal operation	ČSN EN 60745-1 ed. 3, cl. 18	Hand-held motor-operated electric tools	A, D
63	**Stability test**			
63.1*	Stability test	ČSN EN IEC 60335-1 ed. 4, cl. 20; ČSN EN IEC 60335-2-41 ed. 3, cl. 20.1	Household and similar electrical appliances	A, D
64	**Test of mechanical strength**			
64.1	Test of mechanical strength	ČSN EN IEC 60335-1 ed. 4, cl. 21; ČSN EN IEC 60335-2-41 ed. 3, cl. 21.1	Household and similar electrical appliances	A, D
64.2	Test of mechanical strength	ČSN EN IEC 60598-1 ed. 8, cl. 17.4	Luminaires	A, D
65	**Test of motor ageing**			

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
65.1	Test of motor ageing	ČSN EN IEC 60335-1 ed. 4, Annex C	Household and similar electrical appliances	A, D
66	**Test of screw connections**			
66.1	Test of screw connections	ČSN EN IEC 60335-1 ed. 4, cl. 28	Household and similar electrical appliances	A, D
66.2	Test of screw connections	ČSN EN IEC 60598-1 ed. 8, cl. 16	Luminaires	A, D
66.3	Test of screw connections	ČSN EN 60745-1 ed. 3, cl. 27	Hand-held motor-operated electric tools	A, D
67	**Test of protective earthing**			
67.1*	Test of protective earthing	ČSN EN 60204-1 ed. 3, cl. 18.2.2	Electrical equipment of machines	A, D
67.2*	Test of protective earthing	ČSN EN IEC 60335-1 ed. 4, cl. 27.5	Household and similar electrical appliances	A, D
67.3*	Test of protective earthing	ČSN EN 61010-1 ed. 2, cl. 6.5	Electrical equipment for measurement, control, and laboratory use	A, D
67.4*	Test of protective earthing	ČSN EN 60745-1 ed. 3, cl. 26	Hand-held motor-operated electric tools	A, D
67.5*	Test of protective earthing	ČSN EN IEC 61347-1 ed. 4, cl. 8	Controlgear for light sources	A, D
67.6*	Test of protective earthing	ČSN EN 13617-1 ed. 2, cl. 6.1.9.1	Petrol filling stations	A, D
67.7*	Test of grounding continuity	ČSN EN IEC 60079-0 ed. 5, cl. 26.12; IEC 60079-0, cl. 26.12	Equipment for explosive atmospheres	A, D
68	**Dielectric tests**			
68.1	Dielectric tests	ČSN EN 60079-30-1, cl. 5.1.2; IEC/IEEE 60079-30-1, cl. 5.1.2	Resistance heating cells, cables	A, D
69	**Test of electrical insulation resistance**			
69.1	Test of electrical insulation resistance	ČSN EN 60079-30-1, cl. 5.1.3; IEC/IEEE 60079-30-1, cl. 5.1.3	Resistance heating cells, cables	A, D
70	**Burning test**			

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
70.1	Burning test	ČSN EN 60079-30-1, cl. 5.1.4; IEC/IEEE 60079-30-1, cl. 5.1.4	Resistance heating cells, cables	-
71	**Impact test**			
71.1	Impact test	ČSN EN 60079-30-1, cl. 5.1.5; IEC/IEEE 60079-30-1, cl. 5.1.5	Resistance heating cells, cables	A, D
72	**Pressing test**			
72.1*	Pressing test	ČSN EN 60079-30-1, cl. 5.1.6; IEC/IEEE 60079-30-1, cl. 5.1.6; ČSN EN 60079-7 ed. 3, Annex B.1; IEC 60079-7, Annex B.1	Resistance heating cells, cables	A, D
73	**Bending test at low temperatures**			
73.1	Bending test at low temperatures	ČSN EN 60079-30-1 ed. 2, cl. 5.1.7; IEC/IEEE 60079-30-1, cl. 5.1.7	Resistance heating cells, cables	-
74	**Water resistance test**			
74.1	Water resistance test	ČSN EN 60079-30-1 ed. 2, cl. 5.1.8; IEC/IEEE 60079-30-1, cl. 5.1.8	Resistance heating cells, cables	A, D
75	**Water resistance test for integral parts**			
75.1	Water resistance test for integral parts	ČSN EN 60079-30-1 ed. 2, cl. 5.1.9; IEC/IEEE 60079-30-1, cl. 5.1.9	Resistance heating cells, cables	-
76	**Electrostatic discharge test**			
76.1*	Electrostatic discharge test	ČSN EN 61000-4-2 ed. 2; ČSN EN IEC 61000-6-1 ed. 3; ČSN EN IEC 61000-6-2 ed. 4; ČSN EN 50270 ed. 3; ČSN EN IEC 61439-1 ed. 3, cl. J.10.12; ČSN EN 61547 ed. 3, cl. 5.2	Electrical equipment	A, D
76.2*	Electrostatic discharge test	ČSN EN 50121-3-2 ed. 4, cl. 8, tab. 5; ČSN EN 50121-4 ed. 4, cl. 6, tab. 2	Railway applications	-
77	**Electrical fast transient and surge immunity test**			

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
77.1*	Electrical fast transient and surge imunity test	ČSN EN 61000-4-4 ed. 3; ČSN EN 61000-4-5 ed. 3; ČSN EN IEC 61000-6-1 ed. 3; ČSN EN IEC 61000-6-2 ed. 4; ČSN EN 50270 ed. 3; ČSN EN IEC 61439-1 ed. 3, cl. J.10.12; ČSN EN 61547 ed. 3, cl. 5.5, 5.7	Electrical equipment	A, D
77.2*	Electrical fast transient and surge imunity test	ČSN EN 50121-3-2 ed. 4, cl. 8, tab. 3, 4; ČSN EN 50121-4 ed. 4, cl. 6, tab. 3 to 6	Railway applications	A, D
78	**Power frequency magnetic field immunity test**			
78.1*	Power frequency magnetic field immunity test	ČSN EN 61000-4-8 ed. 2; ČSN EN 61000-4-9 ed. 2; ČSN EN IEC 61000-6-1 ed. 3; ČSN EN IEC 61000-6-2 ed. 4; ČSN EN 50270 ed. 3; ČSN EN IEC 61439-1 ed. 3, cl. J.10.12; ČSN EN 61547 ed. 3, cl. 5.4	Electrical equipment	A, D
78.2*	Power frequency magnetic field immunity test	ČSN EN 50121-4 ed. 4, cl. 6, tab. 2	Railway applications	A, D
79	**Voltage dips and interruptions immunity test**			
79.1*	Voltage dips and interruptions immunity test	ČSN EN IEC 61000-4-11 ed. 3; ČSN EN 61000-4-14; ČSN EN IEC 61000-6-1 ed. 3; ČSN EN IEC 61000-6-2 ed. 4; ČSN EN 50270 ed. 3; ČSN EN IEC 61439-1 ed. 3, cl. J.10.12; ČSN EN 61547 ed. 3, cl. 5.8	Electrical equipment	A, D
80	**Oscillatory waves test, low frequency immunity test**			
80.1*	Oscillatory waves test, low frequency immunity test	ČSN EN 61000-4-12 ed. 3; ČSN EN 61000-4-13; ČSN EN IEC 61000-4-18 ed. 2; ČSN EN 61000-4-27; ČSN EN 61000-4-28; ČSN EN IEC 61000-6-1 ed. 3; ČSN EN IEC 61000-6-2 ed. 4; ČSN EN 50270 ed. 3	Electrical equipment	A, D
81	**Measurement of conducted disturbance**			

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
81.1*	Measurement of conducted disturbance	ČSN EN 55011 ed. 4, cl. 6, 7, 8, 10	Industrial, scientific and medical equipment	A, D
81.2*	Measurement of conducted disturbance	ČSN EN IEC 55014-1 ed. 5, cl. 4, 5, 6	Household appliances, electric tools and similar apparatus	-
81.3*	Measurement of conducted disturbance	ČSN EN IEC 55015 ed. 5, cl. 4.3, 7, 8	Electrical lighting and similar equipment	-
81.4*	Measurement of conducted disturbance	ČSN EN 50121-3-2 ed. 4, cl. 7, tab. 1, 2; ČSN EN 50121-4 ed. 4, cl. 5, tab. 1	Railway applications	-
81.5*	Measurement of conducted disturbance	ČSN EN 55016-1-2 ed. 2, cl. 4.3; ČSN EN 55016-2-1 ed. 3, cl. 7.3	Radio disturbance and immunity measuring apparatus	-
82	**Measurement of radiated electromagnetic disturbance**			
82.1*	Measurement of radiated electromagnetic disturbance	ČSN EN 55011 ed. 4, cl. 6, 7, 8, 10	Industrial, scientific and medical equipment	A, D
82.2*	Measurement of radiated electromagnetic disturbance	ČSN EN IEC 55014-1 ed. 5, cl. 4.3.4	Household appliances, electric tools and similar apparatus	A, D
82.3*	Measurement of radiated electromagnetic disturbance	ČSN EN IEC 55015 ed. 5, cl. 4.4, 9	Electrical lighting and similar equipment	A, D
82.4*	Measurement of radiated electromagnetic disturbance	ČSN EN 55016-2-3 ed. 4, cl. 7.10	Specification for radio disturbance and immunity measuring apparatus and methods	A, D
82.5*	Measurement of radiated electromagnetic disturbance	ČSN EN IEC 61000-6-3 ed. 3, cl. 9; ČSN EN IEC 61000-6-4 ed. 3, cl. 9; ČSN EN IEC 61000-4-20 ed. 3	Testing and measurement technology	A, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
82.6*	Measurement of radiated electromagnetic disturbance	ČSN EN 50121-2 ed. 4, cl. 5; ČSN EN 50121-3-1 ed. 4, cl. 6; ČSN EN 50121-3-2 ed. 4, cl. 7; ČSN EN 50121-4 ed. 4, cl. 5	Railway applications	A, D
83	**Radiated and conducted, radio-frequency electromagnetic field immunity test**			
83.1*	Radiated and conducted, radio-frequency electromagnetic field immunity test	ČSN EN IEC 61000-4-3 ed. 4, cl. 4 to 9; ČSN EN IEC 61000-4-6 ed. 5, cl. 6.2.1 to 6.2.3, 7; ČSN EN IEC 61000-4-20 ed. 3	Electrical equipment	A, D
83.2*	Radiated and conducted, radio-frequency electromagnetic field immunity test	ČSN EN 50270 ed. 3	Electrical apparatus for gas detection	A, D
83.3*	Radiated and conducted, radio-frequency electromagnetic field immunity test	ČSN EN IEC 61547 ed. 3, cl. 5.3	Equipment for general lighting purposes	A, D
83.4*	Radiated and conducted, radio-frequency electromagnetic field immunity test	ČSN EN 50121-3-2 ed. 4, cl. 8, tab. 5; ČSN EN 50121-4 ed. 4, cl. 6, tab. 2	Railway applications	A, D
84	**Functional tests**			
84.1	Functional tests	ČSN EN 50104 ed. 4, cl. 5	Electrical apparatus for the detection and measurement of oxygen	A, D
84.2	Functional tests	ČSN EN 50194-1 ed. 2, cl. 5, 6, 7, 8; ČSN EN 50194-2 ed. 2, cl. 5, 6	Electrical apparatus for detection of combustible gases	A, D
84.3	Functional tests	ČSN EN 50270 ed. 3, cl. 5, 6	Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen	A, D
84.4	Functional tests	ČSN EN 50291-1 ed. 2, cl. 5, 6, 7; ČSN EN 50291-2 ed. 2, cl. 5, 6, 7	Electrical apparatus for detection of carbon monoxide	A, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
84.5	Functional tests	ČSN EN 60079-29-1 ed. 2, cl. 4, 5; IEC 60079-29-1, cl. 4, 5; ČSN EN 60079-29-4, cl. 4, 5; IEC 60079-29-4, cl. 4, 5	Gas detectors	A, D
84.6	Functional tests	ČSN EN 50543, cl. 4, 5 (excluding cl. 5.3.9)	Electronic portable and transportable apparatus designed to detect and measure carbon dioxide and/or carbon monoxide	A, D
84.7	Functional tests	ČSN EN 50545-1, cl. 4, 5, 6	Electric apparatus for the detection and measurement of toxic and combustible gases	A, D
84.8	Functional tests	ČSN EN 50676, cl. 5, Annex A, B	Electrical apparatus used for the detection and concentration measurement of refrigerant gases	A, D
84.9	Functional tests	ČSN EN IEC 62990-1, cl. 4, 5, 6; IEC 62990-1, cl. 4, 5, 6	Detectors for toxic gases	A, D
84.10	Functional tests	ČSN EN 13617-1 ed. 2, cl. 6.1.9.4; ČSN EN 13617-2 ed. 2, Annex B.14, B.15; ČSN EN 13617-3 ed. 2, Annex B.14, B.15	Petrol filling stations	A, D
85	**Verification of rated power**			
85.1	Verification of rated power	ČSN EN 60079-30-1 ed. 2, cl. 5.1.10, 5.2.2; IEC/IEEE 60079-30-1, cl. 5.1.10	Resistance heating cells, cables	-
86	**Thermal resistance test of elecrical insulation materials**			
86.1	Thermal resistance test of elecrical insulation materials	ČSN EN 60079-30-1 ed. 2, cl. 5.1.11; IEC/IEEE 60079-30-1, cl. 5.1.11	Resistance heating cells, cables	-
87	**Test of requirements for thermal characteristic**			

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
87.1	Test of requirements for thermal characteristic	ČSN EN 60079-30-1 ed. 2, cl. 5.1.12; IEC/IEEE 60079-30-1, cl. 5.1.12	Resistance heating cells, cables	-
88	**Determination test of maximum sheath temperature**			
88.1	Determination test of maximum sheath temperature	ČSN EN 60079-30-1 ed. 2, cl. 5.1.13; IEC/IEEE 60079-30-1, cl. 5.1.13	Resistance heating cells, cables	A, D
89	**Verification test of initial current**			
89.1	Verification test of initial current	ČSN EN 60079-30-1 ed. 2, cl. 5.1.14; IEC/IEEE 60079-30-1, cl. 5.1.14	Resistance heating cells, cables	A, D
90	**Verification test of electrical resistance of electrically conductive cover**			
90.1	Verification test of electrical resistance of electrically conductive cover	ČSN EN 60079-30-1 ed. 2, cl. 5.1.15; IEC/IEEE 60079-30-1, cl. 5.1.15	Resistance heating cells, cables	A, D
91	**Outdoor weather exposure test**			
91.1	Outdoor weather exposure test	ČSN EN 60079-30-1 ed. 2, cl. 5.1.16; IEC/IEEE 60079-30-1, cl. 5.1.16	Resistance heating cells, cables	A, D
92	**Test of electrical insulation**			
92.1	Test of electrical insulation	ČSN EN 60079-7 ed. 3, cl. 6.9.2, Annex B.2, B.3; IEC 60079-7, cl. 6.9.2, Annex B.2, B.3	Resistance heating cells, cables	A, D
93	**Maximum permissible temperature verification test**			
93.1	Maximum permissible temperature verification test	ČSN EN 60079-7 ed. 3, Annex B.4; IEC 60079-7, Annex B.4	Resistance heating cells, cables	A, D
94	**Thermal resistance test**			
94.1	Thermal resistance test	ČSN EN 60079-7 ed. 3, cl. 6.9.3; IEC 60079-7, cl. 6.9.3	Resistance heating cells, cables	A, D
95	**Impact resistance test**			
95.1	Impact resistance test	ČSN EN 60079-7 ed. 3, cl. 6.9.4; IEC 60079-7, cl. 6.9.4	Resistance heating cells, cables	A, D
96	**Starting current test**			
96.1	Starting current test	ČSN EN 60079-7 ed. 3, cl. 6.9.5; IEC 60079-7, cl. 6.9.5	Resistance heating cells, cables	A, D
97	**Measurement of peak voltage**			

The Appendix is an integral part of
Certificate of Accreditation No: 533/2025 of 22/10/2025

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

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
97.1	Measurement of peak voltage	IEC 60079-11, cl. 9.15	Ballasts in intrinsically safe devices	A, D
98	**Carbonization test**			
98.1	Carbonization test	ČSN EN 60079-11 ed. 2, cl. 10.11.2.4	Optical separators in intrinsically safe devices	A, D
99	**Short circuit current test**			
99.1	Short circuit current test	ČSN EN 60079-11 ed. 2, cl. 10.11.3.3, 10.11.3.4; IEC 60079-11, cl. 9.10.3.3	Optical separators in intrinsically safe devices	A, D

[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] degrees of freedom: A – Flexibility concerning materials/products (subject of the test), B – Flexibility concerning components/parameters/characteristics, C – Flexibility concerning the performance of the method, D – Flexibility concerning the method

The laboratory can modify the test procedures with the specified degree(s) of freedom in the scope of accreditation while maintaining the principle of measurement. If no degree of freedom is specified, the laboratory cannot apply a flexible approach to the scope of accreditation for the test.

Specification of the scope of accreditation:

Ordinal test number	Detailed information on activities within the scope of accreditation (source literature)
47	M66 – Test procedure issued by the marine engine manufacturer MAN a Lloyd‘s Register. M82 – Test procedure issued by IACS

Explanatory notes:

PCB – printed circuit board

ECE UN – Regulation issued by the Economic Commission for Europe of the United Nations

IACS – International Association of Classification Societies

"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."