

Scope of accreditation of the testing laboratory (center)  
Testing laboratory LLC "Techpromimport"

name of the testing laboratory (center)

140102, Moscow region, Ramenskoye, st. Sosnovy Bor, house 4a, pom. 2

address of the place of business

Compliance

GOST ISO/IEC 17025-2019 Interstate standard general requirements for the competence of testing and calibration laboratories

name and details of the interstate or national standard that establishes general requirements for the competence of testing and calibration laboratories

N p / p	Documents establishing the rules and methods of research (testing), measurements	Object name	Code OKPD 2	Code TN VED EAEU	Defined characteristic (indicator)	Definition range
1	2	3	4	5	6	7
1.	GOST 31610.0 (IEC 60079-0) R.5	Electrical equipment and Ex-components of groups I, II and III intended for use in explosive atmospheres.	14.12	7307	Ambient temperature marking	Compliant / non-compliant
			17.12	7308	Characteristics of external heating or cooling sources	Compliant / non-compliant
			20.30	7309	Surface area of small elements	0.1 mm <sup>2</sup> - 1000 mm <sup>2</sup>
			21.20	7310	Linear dimensions of small elements	0.1 mm - 100 mm
			22.11	7311	Shell opening time	Compliant / non-compliant
2.	GOST 31610.0 (IEC 60079-0) R.6	Electrical equipment and Ex-components of groups I, II and III intended for use in explosive atmospheres.	22.19	7320	Gasket fixing	Compliant / non-compliant
			22.21	7322		
			22.22	7325		
			22.23	7326		
3.	GOST 31610.0 (IEC 60079-0) R.7	Non-metallic shells or non-metallic parts of other shells of equipment intended for use in explosive atmospheres	22.29	7412	Surface area of non-metallic shells	0.1 mm <sup>2</sup> - 40000 mm <sup>2</sup>
			22.72	7419	Linear dimensions of parts of non-metallic shells	0 - 1000 mm
			23.19	7609	Diameter of long parts of non-metallic shells	0 - 400 mm
			23.42	7611	Width of long parts of non-metallic shells	0 - 400 mm
			23.43	7612	Thickness of non-metallic layer	0 - 5 mm
			23.44	7613	Breakdown voltage of non-metallic layer	0 - 4 kV
			23.49	7616	Thickness of outer insulation on metal parts	0 - 400 mm
			23.99	8007	Capacity of ungrounded metal parts	0.1nF - 200uF
			24.10	8201	Prevention of access to bare electrical parts	Compliant / non-compliant
			24.20	8202	Thread length of holes for special fasteners	0 - 400 mm
			24.33	8203	Protection of the head of special fasteners	Found / not found
4.	GOST 31610.0 (IEC 60079-0) R.9	Fasteners providing a specific type of protection or used to prevent access to uninsulated live electrical	24.42	8204		
			24.45	8205		
			24.51	8206		

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		parts,intended for use in explosive environments	24.52 25.11 25.21 25.29 25.30 25.40 25.73	8207 8208 8209 8303 8307 8309 8401	for electrical equipment of group I Diameter of bolts, screws and studs intended for fastening parts of shells of electrical equipment of group I, opened in the mine	0 - 400 mm
5.	GOST 31610.0 (IEC 60079-0) R.10	Interlocks used to maintain explosion protection	25.91 25.92 25.93	8402 8403 8404	Protection of bolts, screws, nuts and other fasteners from spontaneous loosening	Found / Not Found
6.	GOST 31610.0 (IEC 60079-0) R.15	Connecting terminals for earth or neutral protective conductors for use in explosive atmospheres	25.94 25.99 26.11 26.12 26.20 26.23 26.30 26.40	8405 8406 8407 8408 8409 8410 8411 8412	blocking Internal terminal for earth conductor connection External connection terminal for earth or protective neutral conductor Size of connection terminals Corrosion protection for terminals for earth conductor connection Safety of electrical connections	Compliant / non-compliant Found / Not Found Found / Not Found 0 - 400 mm Compliant / non-compliant Compliant / non-compliant
7.	GOST 31610.0 (IEC 60079-0) R.16	Enclosed bushings intended for use in explosive environments	26.51 26.52 26.70 26.80 27.11 27.12	8413 8414 8415 8416 8417 8418	Input identification Cable glands Stubs Thread adapters Temperature at the core termination and cable entry	Compliant / non-compliant Compliant / non-compliant Compliant / non-compliant Compliant / non-compliant
8.	GOST 31610.0 (IEC 60079-0) R.17	rotating electric machines,intended for use in explosive environments	27.20 27.31 27.32 27.33 27.40 27.51 27.52 27.90	8419 8420 8421 8422 8423 8424 8425 8426	IP rating provided by ventilation holes Peripheral speed of blades of outdoor fans Diameter of outdoor fans Rotational speed Clearances between rotating and stationary parts Gap between the outdoor fan and its shroud	from IP0X to IP6X 30-300,000 rpm 0 – 2000 mm from 10 rev <sup>-1</sup> to 10000 rev <sup>-1</sup> 0 - 400 mm 0 - 400 mm
9.	GOST 31610.0 (IEC 60079-0) R.18	Switching devices intended for use in explosive atmospheres	28.11 28.12 28.13 28.14 28.15	8427 8428 8429 8430 8431	combustible dielectric OFF position designation Ensuring locking of electrical equipment of group I Covers and doors	Found / Not Found Found / Not Found Compliant / non-compliant Compliant / non-compliant
10.	GOST 31610.0 (IEC 60079-0) R.19	Enclosure intended for use in explosive environments containing fuses	28.21 28.22 28.23 28.24	8432 8433 8434 8435	Shell lock Connector lock	Compliant / non-compliant Compliant / non-compliant
11.	GOST 31610.0 (IEC 60079-0)	Plugs, sockets and connectors for				



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				8477	of shells made of non-metallic materials	
				8478		
				8479	Capacitance electric open metal shell parts	0.1nF -200uF
				8481	Maximum fan motor power	up to 760 kW
				8482		
				8483	Maximum fan motor current	up to 2000 A
				8484	Fan speed	from 10 rev <sup>-1</sup> to 10000 rev <sup>-1</sup>
				8486	Elastomeric O-Ring Thickness	0 - 400 mm
				8487	Set Compression Elastomeric O Ring	0 to 1
17.	GOST 31610.0 (60079-0) R.29	Electrical equipment and Ex-components of groups I, II and III intended for use in explosive atmospheres.		8501	Marking	Compliant / non-compliant
				8502	Warning labels	Compliant / non-compliant
				8503	Cell and battery marking	Compliant / non-compliant
				8504	Marking of electrical machines powered by a converter	Compliant / non-compliant
				8505		
				8506		
18.	GOST 31610.0 (60079-0) R.30	Electrical equipment and Ex-components of groups I, II and III intended for use in explosive atmospheres.		8507	Instruction manuals	Compliant / non-compliant
				8508		
				8509		
				8511	Presence of sharp edges that can damage the cable.	Found / Not Found
				8512		
				8513	Rounding radius of cable entry	0 – 10 mm
				8514		
				8515	Rounding angle of cable entry	0 - 90°
				8516	Degree of protection provided by enclosure (IP code)	from IP0X to IP6X from IPX0 to IPX8
				8517		
				8518	Anchoring tests for unarmored and braided cables, secured with an O-ring	Withstand / fail
				8519		
				8521	Anchoring tests for unarmored and braided cables, anchored with potting compound	Withstand / fail
				8522		
				8523	Tests for securing armored cables provided by a device located on the gland itself	Withstand / fail
				8525		
				8526	Tests for securing armored cables not provided by the device on the gland itself	Withstand / fail
				8527		
				8528	Heat resistance test	Withstand / fail
				8529	Cold resistance test	Withstand / fail
				8530		
				8531	Tensile strength	Withstand / fail
				8532	Mechanical strength	Withstand / fail
				8533	impact resistance	Withstand / fail
				8534	Mandrel or cable slipping	0 - 10 mm
				8535		
				8536	Aging resistance of materials used for elastomeric O-rings	Withstand / fail

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				8537	Hardness of materials used for elastomeric O-rings	Shore "D" (23-102) HSD
				8538		
				8539	Changing the hardness of materials used for elastomeric O-rings	0 - 100%
				8540		
				8541	Cable entry marking	Compliant / non-compliant
				8542	Marking of cable glands	Compliant / non-compliant
				8543		
20.	GOST 31610.0 (IEC 60079-0) Appendix B	Ex components intended for use in explosive atmospheres.		8544	Requirements for Ex components	Compliant / non-compliant
21.	GOST IEC 61241-0 clause 5.3			8545	Ambient temperature marking	Compliant / non-compliant
22.	GOST IEC 61241-0 clause 6.1.5.1			8546	Breakdown voltage	0 - 4 kV
23.	GOST IEC 61241-0 clause 6.1.5.2			8547	Thickness of outer insulation on metal parts	0 - 400 mm
24.	GOST IEC 61241-0 R.13			8601		
25.	GOST IEC 61241-0 clause 16.3			8602	Capacitance of insulated conductive parts	0.1nF - 200uF
26.	GOST IEC 61241-0 clause 17.2			8603		
27.	GOST IEC 61241-0 clause 17.3			8604	Contact clamps for grounding or zero protective conductors	Compliant / non-compliant
28.	GOST IEC 61241-0 clause 17.4			8605		
29.	GOST IEC 61241-0 clause 18			8606	Gap between the outdoor fan and its shroud	0 - 400 mm
30.	GOST IEC 61241-0 clause 20.1			8607	Blocking	Compliant / non-compliant
31.	GOST IEC 61241-0 clause 20.4			8608	Open position indication	Compliant / non-compliant
32.	GOST IEC 61241-0 clause 23.4.2.1	Electrical equipment used in areas hazardous to ignition of combustible dust		8609	holes	Compliant / non-compliant
33.	GOST IEC 61241-0 clause 23.4.2.2			8701	Fuses	Compliant / non-compliant
34.	GOST IEC 61241-0 clause 23.4.3			8702	Grid cell dimensions	(0 - 500) mm <sup>2</sup>
35.	GOST IEC 61241-0 clause 23.4.4			8703	Linear dimensions of the lattice cell	0 - 400 mm
36.	GOST IEC 61241-0 clause 23.4.4.1			8704	Lids	Compliant / non-compliant
37.	GOST IEC 61241-0 clause 23.4.4.2			8705		
38.	GOST IEC 61241-0 clause 23.4.4.3			8709	impact resistance	Withstand / fail
39.	GOST IEC 61241-0 clause			8710		
				8711	Drop resistance	Withstand / fail
				8712		
				8713	Prevention of dust access (degree of protection)	Compliant / non-compliant
				8714	IPX5,IPX6	
				8715		
				8716	Torque resistance of bushings	Withstand / fail
				8801		
				8802	Maximum surface temperature	from -196 °C to + 1100°C
				8803		
				8804	Maximum surface temperature under the additional (excess) layer	from -196 °C to + 1100°C
				8805		
				8901	Response temperature of temperature sensors	from -196 °C to + 1100°C
				8902		
				8903	Thermal shock resistance	Withstand / fail

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	23.4.5			8904		
40.	GOST IEC 61241-0 clause 23.4.6.3			8905	Heat resistance	Withstand / fail
41.	GOST IEC 61241-0 clause 23.4.6.4			8906		
42.	GOST IEC 61241-0 clause 23.4.6.7			8907	Cold resistance	Withstand / fail
43.	GOST IEC 61241-0 clause 23.4.6.8			8908		
44.	GOST IEC 61241-0 clause 27.4			9004	Surface electrical resistance	0-999.9 Mom
45.	GOST IEC 61241-0 clause 27.5			9005		
46.	GOST IEC 61241-0 clause 28.1.2			9006	Aging resistance	Withstand / fail
47.	GOST IEC 61241-0 clause 28.1.3			9007	Hardness	Shore "D" (23-102) HSD
				9008	Change in hardness	0 - 100%
				9010	Tensile test	Withstand / fail
				9011	Mechanical strength	Withstand / fail
				9012		
				9013	Tensile test	Withstand / fail
				9014		
				9015	Mechanical strength	Withstand / fail
				9016		
48.	GOST IEC 60079-1 R 5	Equipment with type of protection "flameproof enclosure "d", intended for use in explosive gas atmospheres		9017	Flameproof connections	Compliant / non-compliant
				9018	Length of Flameproof Connections	0 - 400 mm
				9019	Flameproof gap	0 - 1 mm
				9020	Surface roughness	(0.005 - 16) μm
				9021	thread pitch	0 - 400 mm
				9022	Number of full threads	from 1
				9023	Axial thread length	1 - 200 mm
				9024	Cone Angle	from 0° to 90°
				9025	Shell volume	from 1.0 mm <sup>3</sup>
				9026	Sealed connections	Compliant / non-compliant
				9027	Length of sealed connections	0 - 400 mm
49.	GOST IEC 60079-1 R.6	sealed connections (equipment with type of protection "flameproof enclosure "d", intended for use in explosive gas atmospheres)		9028		
				9029		
				9030	Length of connections with sintered glass	0 - 400 mm
				9031		
				9032		
				9033	Control rods and rollers	Compliant / non-compliant
50.	GOST IEC 60079-1 R.7	Rods and control rollers (equipment with type of protection "flameproof enclosure "d", intended for use in explosive gas atmospheres)		9101	Length of Flameproof Connections	0 - 400 mm
				9102	Flameproof gap	0 - 1 mm
				9103		
				9104	Rod or roller diameter	0 - 400 mm
				9105		
				9106		
51.	GOST IEC 60079-1 R 8	Shafts and bearings (equipment		9107	Additional requirements for shafts and bearings	Compliant / non-compliant
				9108		

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		with type of protection "flameproof enclosure "d", intended for use in explosive gas atmospheres)		9109 9110 9111 9112 9405	Length of Flameproof Connections	0 - 400 mm
52.	GOST IEC 60079-1 R.9	Light transmitting parts (equipment with type of protection "flameproof enclosure "d", intended for use in explosive gas atmospheres)		3917 3926 4010	Light transmitting parts	Compliant / non-compliant
53.	GOST IEC 60079-1 R.10	Breathing and drainage devices as part of a flameproof enclosure			Breathing and drainage devices as part of a flameproof enclosure	Compliant / non-compliant
					Dimensions of breathing and drainage devices and their components	0 - 400 mm
					Pressure Testing of Breathing and Drainage Devices	Withstand / fail
					Thermal testing testing of breathing and drainage devices	Withstand / fail
					External surface temperatures of breathing and drainage devices	from -196 °C to + 1100°C
					Trialbreathing and drainage devices for explosion tightness	Withstand / fail
54.	GOST IEC 60079-1 R.11	Fasteners and openings (equipment with type of protection "flameproof enclosure" d "for use in explosive gas atmospheres)			Fasteners, holes and plugs	Compliant / non-compliant
					Wall thickness of the shell surrounding the hole for the fixing screw or hairpin	0 - 400 mm
					Thread margin, after fully tightening the screws without washers	from 1 turn
55.	GOST IEC 60079-1 R.12	Materials of equipment with the type of protection "flameproof enclosure "d", intended for use in explosive gas atmospheres)			Materials and mechanical strength of shells. Materials inside shells	Compliant / non-compliant
56.	GOST IEC 60079-1 R.13	Flameproof Enclosures			Flameproof Enclosures	Compliant / non-compliant
					Thread length	0 - 200 mm
					Number of full threads	from 1
					Cable glands	Compliant / non-compliant
					Pipe sealing devices	Compliant / non-compliant
					Plugs, sockets and cable connectors	Compliant / non-compliant

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					Bushings	Compliant / non-compliant
					Stubs	Compliant / non-compliant
57.	GOST IEC 60079-1 R.15	Equipment with type of protection "flameproof enclosure "d", intended for use in explosive gas atmospheres			Determination of explosion pressure (reference pressure)	(0.0 - 2.5) MPa
					Explosion pressure rise time	1 ns - 10 s
					explosion resistance	Withstand / fail
					Non-proliferation of internal explosion (explosion-proof)	Withstand / fail
					Pressure resistance of flameproof enclosures with breathing and drainage devices	Withstand / fail
					External surface temperature of flameproof enclosures with breathing and drainage devices	from -196 °C to + 1100°C
					Flameproof test of flameproof enclosures with breathing and drainage devices	Withstand / fail
					"dc" device tests	Withstand / fail
58.	GOST IEC 60079-1 R.17	Group I switching devices			Group I switching devices	Compliant / non-compliant
					Voltage on conductors before opening	Found / Not Found
					Clearances and creepage distances between phases and with respect to earth	Compliant / non-compliant
					Marking	Compliant / non-compliant
					Mechanical interlocking of quick-opening lids or doors	Compliant / non-compliant
59.	GOST IEC 60079-1 R.18	Lamp sockets and sockets			Lamp sockets and sockets	Compliant / non-compliant
					Devices that prevent the lamp from falling out	Compliant / non-compliant
					Holders and bases for lamps with cylindrical bases	Compliant / non-compliant
					Length of flameproof connection between cartridge and base, at the moment of contact opening	0 - 200 mm
60.	GOST IEC 60079-1 R.19	Non-metallic shells and non-metallic parts of shells (equipment with type of			Flame erosion resistance	Withstand / fail
					fire resistance	Withstand / fail
					Tracking resistance and creepage distances on the inner surfaces of the shell walls	Compliant / non-compliant

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		protection "flameproof enclosure "d", intended for use in explosive gas atmospheres)			Determination of explosion pressure (reference pressure)	(0.0 - 2.5) MPa
					Explosion pressure rise time	1 ns - 10 s
					Explosion tests	Withstand / fail
					Explosion proof tests	Withstand / fail
61.	GOST IEC 60079-1 R.20	Equipment with type of protection "flameproof enclosure "d", intended for use in explosive gas atmospheres			Marking	Compliant / non-compliant
					Warning notices and markings	Compliant / non-compliant
					Information marking	Compliant / non-compliant
62.	GOST IEC 60079-1 Annex A	Corrugated tape and multilayer elements of breathing and drainage devices			Explosion proof	Withstand / fail
					Length of Flameproof Connections	0 - 400 mm
					Flameproof gap	0 - 1 mm
					Surface roughness	(0.005 - 16) mkm
					thread pitch	0 - 400 mm
					Sealing height of the ring along the axis	0 - 200 mm
					Sealing length	0 - 200 mm
					Thread length	0 - 200 mm
					Number of full threads	from 1
63.	GOST IEC 60079-1 Appendix C	Flameproof Input Devices			Design requirements for Ex-plugs	Compliant / non-compliant
					Design requirements for Ex threaded adapters	Compliant / non-compliant
					Static pressure testing of non-enclosure-specific bushings	Withstand / fail
					tightness	Withstand / fail
					Mechanical strength	Withstand / fail
					torque resistance	Withstand / fail
					explosion resistance	Withstand / fail
					impact resistance	Withstand / fail
64.	GOST IEC 60079-1 Appendix D	Empty flameproof enclosures as Ex components			Empty flameproof enclosures as Ex components	Compliant / non-compliant
65.	GOST IEC 60079-1 appendix E	Cells and batteries used in flameproof enclosures "d			Cells and batteries used in equipment with the type of protection "flameproof enclosures" d ""	Compliant / non-compliant
					Acceptable electrochemical systems	Compliant / non-compliant
					General requirements for cells (or batteries) installed inside a flameproof enclosure	Compliant / non-compliant
					Measures to prevent overheating and	Compliant / non-compliant

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					damage to the element	
					Measures to protect against polarity reversal or reverse charging by another cell in the same battery	Compliant / non-compliant
					Measures to protect against unauthorized charging of the battery from other voltage sources, during flameproof shell	Compliant / non-compliant
					Requirements for the rating of protective diodes and the reliability of protection devices	Compliant / non-compliant
66.	GOST IEC 60079-1-2013 appendix G	Flameproof enclosures with internal leakage systems			explosion resistance	Withstand / fail
					Resistant to leakage infallible embedded system	Withstand / fail
					Leak resistance of embedded system with limited leakage	Withstand / fail
67.	GOST IEC 60079-2-2011 16.1				Maximum overpressure test	Withstand / fail
68.	GOST IEC 60079-2-2011 clause 16.2.1				Tests other than static pressure tests	Withstand / fail
69.	GOST IEC 60079-2-2011 clause 16.2.2				Static overpressure	(0.0 - 10.0) MPa
70.	GOST IEC 60079-2-2011 clause 16.3	Electrical equipment with pressurized enclosures providing type "p" explosion protection and intended for use in an explosive atmosphere			Purge test of a pressurized enclosure with no internal source of leakage (overpressure setting method - leakage compensation or continuous flow) and static overpressure filling test	Withstand / fail
					Purge time	0.2 s - 60 min
					Gas concentration	0 - 100%
					Purge and Dilution Pressure Jacketed Test	Withstand / fail
					Purge time	0.2 s - 60 min
					Purge gas speed	(0.0 - 20.0) m/s
					Purge gas flow	0.0176 -17.6 m <sup>3</sup> /h
					Gas concentration	0 - 100%
71.	GOST IEC 60079-2-2011 clause 16.4				Checking the minimum overpressure	Withstand / fail
72.	GOST IEC 60079-2-2011 p.16.5					

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73.	GOST IEC 60079-2-2011 clause 16.6.1				Pressure test	Withstand / fail
74.	GOST IEC 60079-2-2011 clause 16.6.2				Integrity test	Withstand / fail
					Absolute pressure	0 - 1 Pa
75.	GOST IEC 60079-2-2011 p.16.7				Overpressure test of a built-in system with limited leakage	Withstand / fail
76.	GOST IEC 60079-2-2011 p.16.8				Testing the ability of a pressurized enclosure to contain internal overpressure.	Withstand / fail
					Internal pressure	(0.0 - 10.0) MPa
77.	GOST IEC 60079-2-2013 clause 16.1				Determining the maximum overpressure	(0.0 - 10.0) MPa
78.	GOST IEC 60079-2-2013 clause 16.2				Maximum overpressure test	Withstand / fail
					Leak test	Withstand / fail
79.	GOST IEC 60079-2-2013 clause 16.3				Purge gas flow	0.0176 -17.6 m <sup>3</sup> /h
					Air flow rate	(0.0 - 20.0) m/s
					Static overpressure	(0.0 - 1.0) MPa
80.	GOST IEC 60079-2-2013 clause 16.4				Purge test for pressurized enclosure without internal source leaks, and static overpressure filling test	Withstand / fail
					Purge time	0.2 s - 60 min
					Purge gas speed	(0.0 - 20.0) m/s
					Purge gas flow	0.0176 -17.6 m <sup>3</sup> /h
					Gas concentration	0 - 100%
81.	GOST IEC 60079-2-2013 clause 16.5				Purge and dilution test in a pressurized enclosure with an internal source of leakage	Withstand / fail
					Purge time	0.2 s - 60 min
					Purge gas speed	(0.0 - 20.0) m/s
					Purge gas flow	0.0176 -17.6 m <sup>3</sup> /h
					Gas concentration	0 - 100%
82.	GOST IEC 60079-2-2013 clause 16.6				Checking the minimum overpressure	Withstand / fail
					Shell pressure	(0.0 - 10.0) MPa
83.	GOST IEC 60079-2-2013 clause 16.7.1				Pressure test	Withstand / fail
84.	GOST IEC 60079-2-2013 p.16.7.2				Integrity test	Withstand / fail
85.	GOST IEC 60079-2-2013 clause 16.8				Overpressure test of a built-in system with limited leakage	Withstand / fail

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86.	GOST IEC 60079-2-2013 appendix G.8.1	Electrical equipment, its parts and Ex-components with type of protection "quartz-filled "q", intended for use in explosive gas atmospheres			Short circuit test for safe cell or battery	Withstand / fail
87.	GOST IEC 60079-2-2013 appendix G.8.2				Full load test for batteries other than safe	Withstand / fail
88.	GOST 31610.5/IEC 60079-5 clause 4.3.1				Distances via placeholder	0 - 400 mm
89.	GOST 31610.5/IEC 60079-5 clause 4.3.2				Distances around free spaces	0 - 400 mm
90.	GOST 31610.5 / IEC 60079-5 clause 5.1.1				Container type pressure test	Withstand / fail
91.	GOST 31610.5/IEC 60079-5 clause 5.1.2				Sheath test for compliance with the degree of protection	Compliant / non-compliant
92.	GOST 31610.5 / IEC 60079-5 clause 5.1.3				Filler dielectric strength tests	Withstand / fail
93.	GOST 31610.5/IEC 60079-5 clause 5.1.4				Maximum temperature	from -196 °C to + 1100°C
94.	GOST R IEC 60079-6 clause 5.1.1				Overpressure testing of hermetic enclosures	Withstand / fail
95.	GOST R IEC 60079-6 clause 5.1.2				Testing sealed enclosures under reduced pressure	Withstand / fail
96.	GOST R IEC 60079-6 clause 5.1.3	Pressure testing of leaky enclosures	Withstand / fail			
97.	GOST 31610.6 / IEC 60079-6 clause 6.1.1	Electrical equipment, its parts and Ex-components with the type of protection "oil-filled enclosure" o ", intended for use in explosive gas atmospheres.			Overpressure testing of hermetic enclosures	Withstand / fail
98.	GOST 31610.6 / IEC 60079-6 clause 6.1.2				Reduced pressure testing of sealed enclosures	Withstand / fail
99.	GOST 31610.6 / IEC 60079-6 clause 6.1.3				Overpressure testing of leaky enclosures	Withstand / fail
100.	GOST 31610.6 / IEC 60079-6 clause 6.1.4				Maximum temperature	from -196 °C to + 1100°C
101.	GOST 31610.6 / IEC 60079-6 clause 6.1.5				Switching tests	Withstand / fail
102.	GOST 30852.8 p.4.4	Explosion-proof electrical equipment with protection type "e"			Electrical clearances	0 - 400 mm
103.	GOST 30852.8 p.4.5				Leakage routes	0 - 400 mm
104.	GOST 30852.8 p.5.2.3				Minimum radial air gap	0 - 400 mm
105.	GOST 30852.8 p.6.1				Electrical strength of insulation	Withstand / fail
106.	GOST 30852.8 p.6.2.1				Ratio Ia/In	0 to 100
					time te	0 - 9999 s

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107.	GOST 30852.8 p.6.2.3				Additional tests of electric motors for voltage St. 1 Sq.	Withstand / fail
108.	GOST 30852.8 p.6.3.1				Maximum rotor temperature	from -196 °C to + 1100°C
109.	GOST 30852.8 p.6.3.2				Mechanical testing of lampholders other than lampholder type E10	Withstand / fail
110.	GOST 30852.8 p.6.4				Thermal testing of lighting devices with fluorescent tubes	from -196 °C to + 1100°C
111.	GOST 30852.8 p.6.5				Measuring instruments and instrument transformers	Withstand / fail
112.	GOST 30852.8 p.6.7				Transformers, except measuring	Withstand / fail
113.	GOST 30852.8 p.6.8.3				General purpose connections and junction boxes	Withstand / fail
114.	GOST 30852.8 p.6.8.4				Maximum surface temperature	from -196 °C to + 1100°C
115.	GOST 30852.8 p.6.8.5				Checking electrical insulation	Withstand / fail
116.	GOST 30852.8 p.6.8.6				Checking the thermal stability of insulating materials of resistance heating devices	Withstand / fail
117.	GOST 30852.8 p.6.9				impact resistance	Withstand / fail
118.	GOST 30852.8 app. A				Inrush current test	0 - 20 A
119.	GOST 30852.8 app. B				Lead insulation test	Withstand / fail
120.	GOST R IEC 60079-7 clause 4.2				Tests of squirrel-cage machines	Withstand / fail
121.	GOST R IEC 60079-7 clause 4.3				Testing of special resistive heating devices and blocks	Withstand / fail
122.	GOST R IEC 60079-7 clause 4.4				Electrical connections	Compliant / non-compliant
123.	GOST R IEC 60079-7 clause 5.2.3				Electrical clearances	0 - 400 mm
124.	GOST R IEC 60079-7 clause 5.2.5				Leakage routes	0 - 400 mm
125.	GOST R IEC 60079-7 clause 5.2.8.1				Minimum radial air gap	0 - 400 mm
126.	GOST R IEC 60079-7 clause 5.3.2	Minimum clearance between the stator winding and sheath	0 - 400 mm			
127.	GOST R IEC 60079-7 clause 5.3.3	Minimum radial clearance	0 - 10 mm			
128.	GOST R IEC 60079-7 clause 5.4	Minimum axial clearance	0 - 10 mm			
129.	GOST R IEC 60079-7 clause 6.1	Minimum distance between lamp and protective cap	0 - 400 mm			
130.	GOST R IEC 60079-7 clause	Lamp sockets and bases	Compliant / non-compliant			
		Distance between protective cap and lamp	0 - 400 mm			
		Side height	0 - 400 mm			
		blocking	Compliant / non-compliant			
		Electrical strength	Withstand / fail			
		Ratio Ia/In	from 0 to 100			

1	2	3	4	5	6	7
	6.2.1				time te	0 - 9999 s
131.	GOST R IEC 60079-7 clause 6.2.3				Additional tests of electric motors for high voltage	Withstand / fail
					Maximum rotor temperature	from -196 °C to + 1100°C
132.	GOST R IEC 60079-7 clause 6.3.1				Mechanical testing of lampholders	Withstand / fail
133.	GOST R IEC 60079-7 clause 6.3.2.1				Straightening tests	Withstand / fail
					Temperature	from -196 °C to + 1100°C
134.	GOST R IEC 60079-7 clause 6.3.2.2				Lamp off test	Withstand / fail
					Temperature	from -196 °C to + 1100°C
135.	GOST R IEC 60079-7 clause 6.3.2.3				Test of cathode power dissipation for lamps with ballasts	Withstand / fail
136.	GOST R IEC 60079-7 clause 6.4				Measuring instruments and instrument transformers	Withstand / fail
137.	GOST R IEC 60079-7 clause 6.5				Transformers, except measuring	Withstand / fail
138.	GOST R IEC 60079-7 clause 6.7				General purpose connections and junction boxes	Withstand / fail
139.	GOST R IEC 60079-7 clause 6.8				Resistive heating devices and blocks	Withstand / fail
140.	GOST R IEC 60079-7 clause 6.9				Lead insulation test	Withstand / fail
141.	GOST R IEC 60079-7 clause B.2				Immersion resistance of resistive heating devices and blocks	Withstand / fail
142.	GOST R IEC 60079-7 clause B.3				Testing of resistive heating devices or blocks with hygroscopic insulating material	Withstand / fail
143.	GOST R IEC 60079-7 clause B.4				Checking the temperature limit of resistance heating devices (except for resistance trace heaters)	from -196 °C to + 1100°C
144.	GOST 31610.7 (IEC 60079-7) clause 4.2				Electrical connections	Compliant / non-compliant
145.	GOST 31610.7 (IEC 60079-7) clause 4.3	Electrical equipment and Ex-components with the type of protection "increased protection type" e ", intended for use in explosive gas atmospheres			Electrical clearances	0 - 400 mm
146.	GOST 31610.7 (IEC 60079-7) clause 4.4				Leakage routes	0 - 400 mm
147.	GOST 31610.7 (IEC 60079-7) clause 5.2.6				Minimum air gap	0 - 400 mm
148.	GOST 31610.7 (IEC 60079-7) clause 5.3.3				Minimum distance between lamp and protective cap	0 - 400 mm

1	2	3	4	5	6	7
149.	GOST 31610.7 (IEC 60079-7) clause 5.3.4				electrical distances	Compliant / non-compliant
150.	GOST 31610.7 (IEC 60079-7) clause 5.3.5				Lamp sockets and bases	Compliant / non-compliant
151.	GOST 31610.7 (IEC 60079-7) clause 6.1				Electrical strength	Withstand / fail
152.	GOST 31610.7 (IEC 60079-7) clause 6.2.1				Ratio Ia/In	0 - 100
					time te	0 - 9999 s
153.	GOST 31610.7 (IEC 60079-7) clause 6.2.3				Additional machine tests	Withstand / fail
154.	GOST 31610.7 (IEC 60079-7) clause 6.2.4				High speed test with sealed magnets	Withstand / fail
155.	GOST 31610.7 (IEC 60079-7) clause 6.3.2				Impact test and drop test	Withstand / fail
156.	GOST 31610.7 (IEC 60079-7) clause 6.3.3				Mechanical testing of lampholders other than E10 type lampholders	Withstand / fail
157.	GOST 31610.7 (IEC 60079-7) clause 6.3.4				Abnormal operation of lighting fixtures	Withstand / fail
158.	GOST 31610.7 (IEC 60079-7) clause 6.3.7				Testing lighting fixture wiring exposed to high voltage pulses generated by ignition electrodes	Withstand / fail
159.	GOST 31610.7 (IEC 60079-7) clause 6.3.8				Tests of ballasts with electronic starters for tubular fluorescent lamps and ignition electrodes for protection level "ec" for gas discharge lamps	Withstand / fail
160.	GOST 31610.7 (IEC 60079-7) clause 6.3.9				Testing of starter cartridges for lighting fixtures of explosion protection level "ec"	Withstand / fail
161.	GOST 31610.7 (IEC 60079-7) clause 6.4				Measuring instruments and instrument transformers	Compliant / non-compliant
162.	GOST 31610.7 (IEC 60079-7) clause 6.5				Transformers (except measuring)	Compliant / non-compliant
163.	GOST 31610.7 (IEC 60079-7) clause 6.8				General purpose connections and junction boxes	Compliant / non-compliant
164.	GOST 31610.7 (IEC 60079-7) clause 6.9				Resistance heating equipment	Compliant / non-compliant
165.	GOST 31610.7 (IEC 60079-7) clause 6.10				Terminal insulation test	Withstand / fail

1	2	3	4	5	6	7
166.	GOST 31610.7 (IEC 60079-7) app. A	Intrinsically safe electrical equipment with type of protection "i" intended for use in explosive gas atmospheres, as well as associated electrical equipment intended for connection to intrinsically safe circuits located in such environments			Ratio Ia/In	0 - 100
167.	GOST 31610.7 (IEC 60079-7) clause B.2				time te	0 - 9999 s
168.	GOST 31610.7 (IEC 60079-7) clause B.3				Immersion resistance of resistive heating devices and blocks	Withstand / fail
169.	GOST 31610.7 (IEC 60079-7) clause B.4				Testing of resistive heating devices or blocks with hygroscopic insulating material	Withstand / fail
170.	GOST 31610.11/IEC 60079-11p.5.6.2				Checking the temperature limit of devices with resistance heating (with the exception of resistance trace heaters)	from -196 °C to + 1100°C
171.	GOST 31610.11/IEC 60079-11 clause 5.6.3				Surface temperature of small elements	from -196 °C to + 1100°C
172.	GOST 31610.11/IEC 60079-11 clause 5.6.4				Indoor wires	Compliant / non-compliant
173.	GOST 31610.11/IEC 60079-11 clause 5.7				printed conductors	Compliant / non-compliant
174.	GOST 31610.11/IEC 60079-11 clause 6.1.1				Simple electrical equipment	Compliant / non-compliant
175.	GOST 31610.11/IEC 60079-11 clause 6.1.2				Equipment corresponding to the table. 5	Compliant / non-compliant
176.	GOST 31610.11/IEC 60079-11 clause 6.2				Annex F Equipment	Compliant / non-compliant
177.	GOST 31610.11/IEC 60079-11 clause 6.3				Connecting devices for connecting external circuits	Compliant / non-compliant
178.	GOST 31610.11/IEC 60079-11 clause 6.4				Creepage distances and electrical clearances	Compliant / non-compliant
179.	GOST 31610.11/IEC 60079-11 clause 6.5				Reverse polarity protection	Compliant / non-compliant
180.	GOST 31610.11/IEC 60079-11 clause 6.6				Grounding conductors, connectors and clamps	Compliant / non-compliant
181.	GOST 31610.11/IEC 60079-11 clause 7.1				Sealing	Compliant / non-compliant
182.	GOST 31610.11/IEC 60079-11 clause 7.2				IS load	Compliant / non-compliant
183.	GOST 31610.11/IEC 60079-11 clause 7.3				Internal connectors, board and component connectors	Compliant / non-compliant
184.	GOST 31610.11/IEC 60079-11				Circuit breakers	Compliant / non-compliant
		Primary cells and batteries	Compliant / non-compliant			

1	2	3	4	5	6	7
	clause 7.4					
185.	GOST 31610.11/IEC 60079-11 clause 7.5				Semiconductor elements	Compliant / non-compliant
186.	GOST 31610.11/IEC 60079-11 clause 7.6				Damaged elements and connections	Compliant / non-compliant
187.	GOST 31610.11 / IEC 60079-11 clause 7.7				Piezoelectric devices	Compliant / non-compliant
188.	GOST 31610.11/IEC 60079-11 R.8				Intact elements, blocks of elements and connections	Compliant / non-compliant
189.	GOST 31610.11/IEC 60079-11 clause 9.1				Diode safety barriers	Compliant / non-compliant
190.	GOST 31610.11/IEC 60079-11 clause 10.1				Intrinsic Safety Tests	Withstand / fail
					electrical voltage	0 - 1000 V
					Electricity	1 mA -20 A
					Electrical resistance	0.1 ohm - 200 megohm
					Electrical capacitance	1 pF - 200 uF
					Electrical inductance	0.2 mH - 20 H
					Temperature Tests	Withstand / fail
191.	GOST 31610.11-2012 / IEC 60079-11 clause 10.2				Surface temperature	from -196 °C to + 1100°C
192.	GOST 31610.11/IEC 60079-11 clause 10.3				Voltage dielectric strength test	Withstand / fail
193.	GOST 31610.11 / IEC 60079-11 clause 10.4				Determining the parameters of arbitrary batteries	Compliant / non-compliant
					Battery voltage	0 - 1000 V
					Battery discharge current	0 - 200 A
					Battery discharge time	0.2 s - 24 h
194.	GOST 31610.11 / IEC 60079-11 clause 10.5.2				Cell and Battery Tests for Electrolyte Leakage	Withstand / fail
195.	GOST 31610.11 / IEC 60079-11 clause 10.5.3				Ignition due to sparks and excess surface temperatures of cells and batteries	Withstand / fail
196.	GOST 31610.11 / IEC 60079-11 clause 10.5.4				Surface temperature	from -196 °C to + 1100°C
196.	GOST 31610.11 / IEC 60079-11 clause 10.5.4				Battery shell pressure test	Withstand / fail
197.	GOST 31610.11 / IEC 60079-11 clause 10.6.1				Mechanical Testspotting compound	Withstand / fail
198.	GOST 31610.11 / IEC 60079-11 clause 10.6.2				Testing fuses with potting compound	Withstand / fail
199.	GOST 31610.11 / IEC 60079-11 clause 10.6.3				Partition test	Withstand / fail

1	2	3	4	5	6	7			
200.	GOST 31610.11 / IEC 60079-11 clause 10.7	Intrinsically safe electrical equipment designed for use in potentially explosive dusty environments (clouds and layers of dust), as well as associated electrical equipment, designed to be connected to intrinsically safe circuits that are in such environments.			Testing of electrical equipment containing piezoelectric devices	Compliant / non-compliant			
					Capacity	10 pF - 200 uF			
					Voltage	0 - 400 V			
201.	GOST 31610.11 / IEC 60079-11 clause 10.8							Diode Barriers and Safety Shunt Tests	Withstand / fail
202.	GOST 31610.11 / IEC 60079-11 clause 10.9							Cable tensile testing	Withstand / fail
203.	GOST 31610.11 / IEC 60079-11 clause 10.10							Transformer testing	Withstand / fail
204.	GOST 31610.11-2014 (IEC 60079-11:2011)clause 10.12							Conductivity test of indestructible PCB connections	Withstand / fail
205.	GOST 31610.11 / IEC 60079-11 Appendix A							Assessment of the intrinsic safety of electrical circuits	Compliant / non-compliant
								electrical voltage	0 - 1000 V
								Electricity	1 μA -20 A
								Electrical resistance	0.1 ohm - 200 megohm
								Electrical capacitance	1 pF - 200 uF
								Electrical inductance	0.2 mH - 20 H
206.	GOST 31610.11 / IEC 60079-11 appendix E							Transient Energy Test	Withstand / fail
207.	GOST 31610.11 / IEC 60079-11 appendix F							Separation distances for assembled PCBs and element separation	Compliant / non-compliant
208.	GOST 31610.11-2014 (IEC 60079-11:2011)appendix G							Intrinsically Safe Fieldbus System (FISCO)	Compliant / non-compliant
209.	GOST 31610.11-2014 (IEC 60079-11:2011)Appendix H							Ignition test of semiconductor intrinsically safe circuits	Withstand / fail
210.	GOST IEC 61241-11 clause 10.1							Intrinsic Safety Tests	Withstand / fail
211.	GOST IEC 61241-11 clause 10.2							Temperature Tests	from -196 °C to + 1100°C
212.	GOST IEC 61241-11 clause 10.3							Voltage test	Withstand / fail
213.	GOST IEC 61241-11 clause 10.5				Determining the parameters of arbitrary batteries	Compliant / non-compliant			
					Voltage	0 - 1000 V			
					Discharge current	0 - 200 A			
					Discharge time	0.2 s - 24 h			
214.	GOST IEC 61241-11 clause 10.6				Cell and battery testing	Withstand / fail			
215.	GOST IEC 61241-11 clause 10.7.1				Mechanical Testspotting compound	Withstand / fail			

1	2	3	4	5	6	7
216.	GOST IEC 61241-11 clause 10.7.2				Mechanical Testspartitions	Withstand / fail
217.	GOST IEC 61241-11 clause 10.8				Testing of electrical equipment containing piezoelectric devices	Withstand / fail
					Capacity	10 pF - 200 uF
					Voltage	0 - 400 V
218.	GOST IEC 61241-11 clause 10.9				Diode Barriers and Safety Shunt Tests	Withstand / fail
219.	GOST IEC 61241-11 clause 10.10				Cable tensile testing	Withstand / fail
220.	GOST 30852.12 (IEC 60079-13) p.4	Pressurized spaces, equipment and operation of spaces and related parts, such as air ducts (gas pipelines), auxiliary control devices necessary to ensure satisfactory operation of the pressurized purge system and maintain overpressure			Classification of hazardous areas of premises	Compliant / non-compliant
221.	GOST 30852.12 (IEC 60079-13) p.5				Requirements for air ducts and channels for electrical communications	Compliant / non-compliant
222.	GOST 30852.12 (IEC 60079-13) p.6				Protective measures	Compliant / non-compliant
223.	GOST 30852.12 (IEC 60079-13) clause 6.2				Protective measures in case of damage to the pressure purge system	Compliant / non-compliant
224.	GOST 30852.12 (IEC 60079-13) clause 6.3				Other protective measures	Compliant / non-compliant
225.	GOST 30852.12 (IEC 60079-13) p.7				Overpressure and shielding gas flow	Compliant / non-compliant
226.	GOST 30852.12 (IEC 60079-13) p.8				Shielding gas	Compliant / non-compliant
227.	GOST 30852.12 (IEC 60079-13) p.9				Checking the premises before commissioning	Compliant / non-compliant
228.	GOST 30852.12 (IEC 60079-13) p.10				Warning labels and information	Compliant / non-compliant
229.	GOST 30852.15 (IEC 60079-16) clause 6.1				Premises in which analyzers are installed, with the help of forced ventilation from the occurrence of an explosion occurring due to internal leaks of explosive mixtures, as well as the penetration of explosive mixtures into the premises from the external environment	
230.	GOST 30852.15 (IEC 60079-16) clause 6.2	Special requirements for supply ventilation systems	Compliant / non-compliant			
231.	GOST 30852.15 (IEC 60079-16) clause 6.3	Special requirements for exhaust ventilation systems	Compliant / non-compliant			
232.	GOST 30852.15 (IEC 60079-16) clause 7	Protection system	Compliant / non-compliant			
233.	GOST 30852.15 (IEC 60079-16) clause 8.1	Commissioning of the premises	Compliant / non-compliant			

1	2	3	4	5	6	7	
234.	GOST 30852.15 (IEC 60079-16) p. 9				Warning labels and operational documentation	Compliant / non-compliant	
235.	GOST 30852.20 (IEC 60079-16) R. 4	Solid electrical insulating materials - plastics (thermosetting and thermoplastic), thermosetting resins and compounds, laminated plastics, electroceramics, mica and asbestos materials, electrical insulating parts and assembly connections, structures electrical insulation used in mine electrical equipment intended for underground workings of mines			Leakage routes	0 – 400 mm	
236.	GOST 30852.20 (IEC 60079-16) R. 5				Electrical clearances	0 – 400 mm	
					Comparative tracking index	from SIT 100 to SIT 600	
237.	GOST 31610.13 (IEC 60079-13) clause 12.3	Pressurized rooms			Mechanical strength test	Withstand / fail	
238.	GOST 31610.13 (IEC 60079-13) clause 12.4				Pressure test	Withstand / fail	
239.	GOST 31610.13 (IEC 60079-13) clause 12.5				Purge test	Withstand / fail	
240.	GOST 31610.13 (IEC 60079-13) clause 12.6				Minimum overpressure system test for types of protection "px", "py" and "pz"	Withstand / fail	
241.	GOST 31610.13 (IEC 60079-13) clause 12.7				System test at minimum flow	Withstand / fail	
242.	GOST 31610.13 (IEC 60079-13) clause 12.8				Overpressure Testing of Integrated Systems with Limited Leakage	Withstand / fail	
243.	GOST 31610.13 (IEC 60079-13) clause 12.9				Confirmation of the rating of protective devices	Compliant / non-compliant	
244.	GOST 31610.13 (IEC 60079-13) p.12.10				Checking the sequence of safety devices	Compliant / non-compliant	
245.	GOST 31610.15-2012 / IEC 60079-15:2005 p.5.3		Group II electrical equipment with protection type "n", intended for use in explosive gas atmospheres			Maximum surface temperature	from -196 °C to + 1100°C
246.	GOST 31610.15-2012 / IEC 60079-15:2005 p.5.4					Surface temperature and flash point	from -196 °C to + 1100°C
247.	GOST 31610.15-2012 / IEC 60079-15:2005 p.5.5				Temperature of small components	from -196 °C to + 1100°C	
248.	GOST 31610.15-2012 / IEC 60079-15:2005 p.6.7				Path clearances, leaks and separations	Compliant / non-compliant	
249.	GOST 31610.15-2012 / IEC 60079-15:2005 p.6.8				Electrical strength of insulation	Compliant / non-compliant	

1	2	3	4	5	6	7
250.	GOST 31610.15-2012 / IEC 60079-15:2005 p.33.3.3				impact resistance	Withstand / fail
					Drop resistance	Withstand / fail
251.	GOST 31610.15-2012 / IEC 60079-15:2005 p.33.3.4				Tests of shells for the degree of protection from external influences (IP)	Compliant / non-compliant
252.	GOST 31610.15-2012 / IEC 60079-15:2005 p.33.4				Testing of Flameproof Contact Devices and Non-Incendiary Components	Withstand / fail
253.	GOST 31610.15-2012 / IEC 60079-15:2005 p.33.5.2				Voltage test	Withstand / fail
254.	GOST 31610.15-2012 / IEC 60079-15:2005 p.33.5.3				Testing devices with voids	Withstand / fail
255.	GOST 31610.15-2012 / IEC 60079-15:2005 p.33.5.4				Testing potted electrical equipment for luminaires	Withstand / fail
256.	GOST 31610.15-2012 / IEC 60079-15:2005 p.33.5.5				Tests of electrical equipment of luminaires enclosed in hermetically sealed shells	Withstand / fail
257.	GOST 31610.15-2012 / IEC 60079-15:2005 p.33.6				Evaluation and testing of intrinsically safe circuits n and intrinsically safe electrical equipment n	Compliant / non-compliant
258.	GOST 31610.15-2012 / IEC 60079-15:2005 p.33.7.1				Tests of enclosures with limited gas passage of electrical equipment, for which it is planned to check the properties of limited gas passage during operation.	Withstand / fail
259.	GOST 31610.15-2012 / IEC 60079-15:2005 p.33.7.2				Tests of enclosures with limited gas passage of electrical equipment for which verification of the properties of limited gas passage during operation is not provided	Withstand / fail
260.	GOST 31610.15-2012 / IEC 60079-15:2005 p.33.8				Threaded Lampholder Tests, Force	Withstand / fail
261.	GOST 31610.15-2012 / IEC 60079-15:2005 p.33.10.2				Humidity test, electrical voltage insulation test	Withstand / fail
262.	GOST 31610.15-2012 / IEC 60079-15:2005 p.33.10.3				Breaker test	Withstand / fail
263.	GOST 31610.15-2012 / IEC 60079-15:2005 p.33.10.4				Life Test (Lamp Breakage)	Withstand / fail
264.	GOST 31610.15-2012 / IEC 60079-15:2005 p.33.11				Testing of luminaire wiring exposed to high voltage pulses generated by igniters	Withstand / fail
265.	GOST 31610.15-2012 / IEC 60079-15:2005 p.33.13				Battery insulation resistance measurements	Withstand / fail
					Insulation resistance	0 - 999.9 MΩ

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266.	GOST 31610.15-2012 / IEC 60079-15:2005 p.33.14.1				Squirrel-cage machine rotor design test	Withstand / fail
267.	GOST 31610.15-2012 / IEC 60079-15:2005 p.33.14.2				Tests for non-incendiveness of the stator winding insulation system	Withstand / fail
268.	GOST 31610.15-2014/IEC 60079-15:2010 clause 5.1				Maximum surface temperature	from -196 °C to + 1100°C
269.	GOST 31610.15-2014/IEC 60079-15:2010 clause 5.2				Temperature of small components	from -196 °C to + 1100°C
270.	GOST 31610.15-2014/IEC 60079-15:2010 clause 6.4				Electrical clearances, creepage distances and separations	Compliant / non-compliant
271.	GOST 31610.15-2014 / IEC 60079-15:2010 p.6.5				Electrical strength of insulation	Compliant / non-compliant
272.	GOST 31610.15-2014/IEC 60079-15:2010 p.7				Input devices and connecting terminals	Compliant / non-compliant
273.	GOST 31610.15-2014 / IEC 60079-15:2010 p.8.7				Radial Clearance	0 - 400 mm
274.	GOST 31610.15-2014/IEC 60079-15:2010 10				Additional to non-sparking electrical connectors	Compliant / non-compliant
275.	GOST 31610.15-2014/IEC 60079-15:2010 eleven				Additional to non-sparking lamps	Compliant / non-compliant
276.	GOST 31610.15-2014/IEC 60079-15:2010 12				Additional requirements for non-sparking cells and batteries	Compliant / non-compliant
277.	GOST 31610.15-2014/IEC 60079-15:2010 13				Additional requirements for low power non-sparking electrical equipment	Compliant / non-compliant
278.	GOST 31610.15-2014/IEC 60079-15:2010 17				Testing of flameproof contact devices and non-igniting components that generate arcs or sparks or have hot surfaces	Withstand / fail
279.	GOST 31610.15-2014/IEC 60079-15:2010 p.22.3.1.2				Drop test for electrical equipment for manual use	Withstand / fail
280.	GOST 31610.15-2014/IEC 60079-15:2010 clause 22.4				Testing of Flameproof Contact Devices and Non-Incendiary Components	Withstand / fail
281.	GOST 31610.15-2014/IEC 60079-15:2010 p.22.5.2				Voltage test	Withstand / fail
282.	GOST 31610.15-2014/IEC 60079-15:2010 clause 22.5.3				Testing devices with voids	Withstand / fail
283.	GOST 31610.15-2014/IEC 60079-15:2010 p.22.5.4				Tests of electrical equipment of luminaires enclosed in hermetically sealed shells	Withstand / fail
284.	GOST 31610.15-2014/IEC 60079-15:2010 p.22.6.2.3				Shells of electrical equipment, the volume of which does not change under the influence of pressure	Withstand / fail

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285.	GOST 31610.15-2014 / IEC 60079-15:2010 p.22.7				Threaded Lampholder Tests, Force	Withstand / fail
					Torque	0 – 5 Nm
286.	GOST 31610.15-2014/IEC 60079-15:2010 p.22.9.2				Humidity test, electrical voltage insulation test	Withstand / fail
287.	GOST 31610.15-2014/IEC 60079-15:2010 p.22.9.3				Breaker test	Withstand / fail
288.	GOST 31610.15-2014/IEC 60079-15:2010 p.22.9.4				Life Test (Lamp Breakage)	Withstand / fail
289.	GOST 31610.15-2014 / IEC 60079-15:2010 p.22.10				Testing of luminaire wiring exposed to high voltage pulses generated by igniters	Withstand / fail
290.	GOST 31610.15-2014 / IEC 60079-15:2010 p.22.12				Battery insulation resistance measurements	0 - 999.9 MΩ
291.	GOST 31610.15-2014/IEC 60079-15:2010 p.22.13.1				Squirrel-cage machine rotor design test	Withstand / fail
292.	GOST 31610.15-2014/IEC 60079-15:2010 p.22.13.2	Tests for non-incendiveness of the stator winding insulation system	Withstand / fail			
293.	GOST IEC 60079-17	Electrical installations in explosive atmospheres where the risk of explosion is associated with the presence of combustible gases, vapours, aerosols, dust, fibers or suspended particles.			Inspection and maintenance of electrical installations	Compliant / non-compliant
294.	GOST R IEC 60079-18 clause 7.2.4.1	Electrical equipment, its parts and Ex-components with the type of protection "sealing with compound "m", intended for use in explosive gas or dust atmospheres			Compound distances	0 - 400 mm
295.	GOST R IEC 60079-18 clause 7.2.4.2				Distances in a solid dielectric	0 - 400 mm
296.	GOST R IEC 60079-18 clause 7.4				Free space in sealed assembly	Compliant / non-compliant
297.	GOST R IEC 60079-18 clause 7.5				Compound layer thickness	0 - 400 mm
298.	GOST R IEC 60079-18 clause 7.6				External connections	Compliant / non-compliant
299.	GOST R IEC 60079-18 clause 7.7				Protection of bare live parts	Compliant / non-compliant
300.	GOST R IEC 60079-18 clause 7.8				Cells and Batteries	Compliant / non-compliant
301.	GOST R IEC 60079-18 clause 7.9				Safety devices	Compliant / non-compliant

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302.	GOST R IEC 60079-18 clause 8.1.1				Compound water absorption test	Withstand / fail
303.	GOST R IEC 60079-18 clause 8.1.2				Dielectric strength test	Withstand / fail
304.	GOST R IEC 60079-18 clause 8.2.2				Maximum temperature	from -196 °C to + 1100°C
305.	GOST R IEC 60079-18 clause 8.2.4				Checking the dielectric strength of the insulation	Withstand / fail
306.	GOST R IEC 60079-18 clause 8.2.5				Tensile strength test of cable fastening	Withstand / fail
307.	GOST R IEC 60079-18 clause 8.2.6				Pressure test for electrical equipment of groups I and II	Withstand / fail
308.	GOST R IEC 60079-18 clause 8.2.7				Test of thermal protective devices that return to their original position	Withstand / fail
309.	GOST R IEC 60079-18 clause 8.2.8				Leak test of built-in safety devices	Withstand / fail
310.	GOST 31610-18 / IEC 60079-				Compound distances	0 - 400 mm
311.	GOST 31610-18 / IEC 60079-18 p.7.2.4.3				Electrical equipment, its parts and Ex-components with the type of protection "sealing with compound "m", intended for use in explosive gas or explosive dust atmospheres	
312.	GOST 31610-18 / IEC 60079-18 clause 7.3	Free space in sealed assembly	Compliant / non-compliant			
313.	GOST 31610-18 / IEC 60079-18 clause 7.4	Compound layer thickness	0 - 400 mm			
314.	GOST 31610-18 / IEC 60079-18 clause 7.5	Changeover contacts	Compliant / non-compliant			
315.	GOST 31610-18 / IEC 60079-18 clause 7.6	External connections	Compliant / non-compliant			
316.	GOST 31610-18 / IEC 60079-18 clause 7.7	Protection of bare live parts	Compliant / non-compliant			
317.	GOST 31610-18 / IEC 60079-18 clause 7.8	Cells and Batteries	Compliant / non-compliant			
318.	GOST 31610-18 / IEC 60079-18 clause 7.9	Safety devices	Compliant / non-compliant			
319.	GOST 31610-18 / IEC 60079-18 clause 8.1.1	Compound water absorption test	Withstand / fail			
320.	GOST 31610-18 / IEC 60079-18 clause 8.1.2	Dielectric strength test	Withstand / fail			
321.	GOST 31610-18 / IEC 60079-18 clause 8.2.2	Maximum temperature	from -196 °C to + 1100°C			

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322.	GOST 31610-18 / IEC 60079-18 clause 8.2.3.1				Heat resistance	Withstand / fail
323.	GOST 31610-18 / IEC 60079-18 clause 8.2.3.2				Cold resistance	Withstand / fail
324.	GOST 31610-18 / IEC 60079-18 clause 8.2.4				Checking the dielectric strength of the insulation	Withstand / fail
325.	GOST 31610-18 / IEC 60079-18 clause 8.2.5				Tensile strength test of cable fastening	Withstand / fail
326.	GOST 31610-18 / IEC 60079-18 clause 8.2.6				Pressure test for electrical equipment of groups I and II	Withstand / fail
327.	GOST 31610-18 / IEC 60079-18 clause 8.2.7				Test of thermal protective devices that return to their original position	Withstand / fail
328.	GOST 31610-18 / IEC 60079-18 clause 8.2.8				Leak test of built-in safety devices	Withstand / fail
329.	GOST IEC 61241-18 clause 7.2.3				Electrical equipment with type of protection "mD" and surface temperature limitation, intended for use in areas where combustible dust may be present in sufficient quantities to create a risk of fire or explosion.	
330.	GOST IEC 61241-18 clause 7.2.4	Compound layer thickness	Compliant / non-compliant			
331.	GOST IEC 61241-18 clause 7.2.5	Electrical equipment with explosion protection type "mD" and the outer surface of the compound	Compliant / non-compliant			
332.	GOST IEC 61241-18 clause 7.2.6	Electrical equipment with type of protection "mD" and a metal case	Compliant / non-compliant			
333.	GOST IEC 61241-18 clause 7.2.7	Electrical equipment with type of protection "mD" and plastic housing	Compliant / non-compliant			
334.	GOST IEC 61241-18 clause 7.2.8	Windings of electrical machines	Compliant / non-compliant			
335.	GOST IEC 61241-18 clause 7.2.9	Rigid multilayer printed wiring boards with through-hole connection	Compliant / non-compliant			
336.	GOST IEC 61241-18 clause 7.3	Changeover contacts	Compliant / non-compliant			
337.	GOST IEC 61241-18 clause 7.4	External connections	Compliant / non-compliant			
338.	GOST IEC 61241-18 clause 7.5	Protection of bare live parts	Compliant / non-compliant			
339.	GOST IEC 61241-18 clause 7.6	Cells and Batteries	Compliant / non-compliant			
340.	GOST IEC 61241-18 clause 7.7	Safety devices	Compliant / non-compliant			
341.	GOST IEC 61241-18 clause 8.1	Compound water absorption test	Withstand / fail			
342.	GOST IEC 61241-18-2011 p.8.2.2	Maximum surface temperature	from -196 °C to + 1100°C			
343.	GOST IEC 61241-18 clause 8.2.3.1	Heat resistance	Withstand / fail			

1	2	3	4	5	6	7
344.	GOST IEC 61241-18 clause 8.2.3.2				Cold resistance	Withstand / fail
345.	GOST IEC 61241-18 clause 8.2.3.3				Thermal cycling tests	Withstand / fail
346.	GOST IEC 61241-18 clause 8.2.4				Checking the dielectric strength of the insulation	Withstand / fail
347.	GOST IEC 61241-18 clause 8.2.5				Tensile strength test of cable fastening	Withstand / fail
348.	GOST IEC 61241-18 clause 8.2.6				pressure test	Withstand / fail
349.	GOST IEC 60079-30-1 clause 5.1.2				Resistive trace heaters used in explosive environments, except for explosive environments requiring equipment explosion protection level Ga and Da. Trace heaters, which may include prefabricated or field assembled units, which are series and parallel distributed heaters, heating mats and panels.	
350.	GOST IEC 60079-30-1 clause 5.1.3	Electrical insulation resistance test	0 - 999.9 MOm			
351.	GOST IEC 60079-30-1 clause 5.1.4	Flammability test	Withstand / fail			
352.	GOST IEC 60079-30-1 clause 5.1.5	Impact test	Withstand / fail			
353.	GOST IEC 60079-30-1 clause 5.1.6	Deformation test	Withstand / fail			
354.	GOST IEC 60079-30-1 clause 5.1.7	Cold bend test	Withstand / fail			
355.	GOST IEC 60079-30-1 clause 5.1.8	Moisture test	Withstand / fail			
356.	GOST IEC 60079-30-1 clause 5.1.9	Moisture testing of built-in components	Withstand / fail			
357.	GOST IEC 60079-30-1 p.5.1.10	Checking the rated output power	0 - 20 kVA			
358.	GOST IEC 60079-30-1 p.5.1.12	Thermal safety requirements	Compliant / non-compliant			
359.	GOST IEC 60079-30-1 p.5.1.13	Determining the maximum sheath temperature	from -196 °C to + 1100°C			
360.	GOST IEC 60079-30-1 p.5.1.14	Checking the starting current	0.01 mkA - 2 kA			
361.	GOST IEC 60079-30-1 p.5.1.15	Metal Sheath Resistance Test	0 - 999.9 MOm			
362.	GOST 31610.30-1 (IEC/IEEE 60079-30-1) clause 5.1.2	Dielectric strength test	Withstand / fail			
363.	GOST 31610.30-1 (IEC/IEEE 60079-30-1) clause 5.1.3	Electrical insulation resistance test	0 - 999.9 MOm			
364.	GOST 31610.30-1 (IEC/IEEE 60079-30-1) clause 5.1.4	Flammability test	Withstand / fail			

1	2	3	4	5	6	7
365.	GOST 31610.30-1 (IEC/IEEE 60079-30-1) clause 5.1.5				Impact test	Withstand / fail
366.	GOST 31610.30-1 (IEC/IEEE 60079-30-1) clause 5.1.6				Deformation test	Withstand / fail
367.	GOST 31610.30-1 (IEC/IEEE 60079-30-1) clause 5.1.7				Cold bend test	Withstand / fail
368.	GOST 31610.30-1 (IEC/IEEE 60079-30-1) clause 5.1.8				Moisture test	Withstand / fail
369.	GOST 31610.30-1 (IEC/IEEE 60079-30-1) clause 5.1.9				Moisture testing of built-in components	Withstand / fail
370.	GOST 31610.30-1 (IEC/IEEE 60079-30-1) clause 5.1.10				Checking the rated output power	0 - 20 kVA
371.	GOST 31610.30-1 (IEC/IEEE 60079-30-1) clause 5.1.12				Thermal Performance Test	Compliant / non-compliant
372.	GOST 31610.30-1 (IEC/IEEE 60079-30-1) p.5.1.13				Determining the maximum sheath temperature	from -196 °C to + 1100°C
373.	GOST 31610.30-1 (IEC/IEEE 60079-30-1) clause 5.1.14				Checking the starting current	0.01 mA - 2 kA
374.	GOST 31610.30-1 (IEC/IEEE 60079-30-1) clause 5.1.15				Checking the resistance of the electrically conductive sheath	0 - 999.9 MOhm
375.	GOST R IEC 60079-31 clause 5.1				Connections	Compliant / non-compliant
376.	GOST R IEC 60079-31 clause 6.1.1				Type tests to exclude dust from the enclosure	Withstand / fail
377.	GOST R IEC 60079-31 clause 6.1.2				Thermal test	from -196 °C to + 1100°C
378.	GOST R IEC 60079-31 clause 6.1.3				Internal pressure test	Withstand / fail
379.	GOST IEC 60079-31 clause 5.1				Connections	Compliant / non-compliant
380.	GOST IEC 60079-31 clause 6.1.1.1				Type tests for protection against dust ingress by enclosures	Withstand / fail
381.	GOST IEC 60079-31 clause 6.1.1.2				Impact test of additional enclosures	Withstand / fail
382.	GOST IEC 60079-31 clause 6.1.1.3				Internal pressure test	Withstand / fail
383.	GOST IEC 60079-31 p. 6.1.1.4				Testing the degree of protection against external influences provided by the enclosure	IP5X, IP6X

1	2	3	4	5	6	7
384.	GOST IEC 60079-31 p. 6.1.2				Thermal testing	from 0 to + 1100°C
385.	GOST 22782.3 clause 3.1	Electrical equipment, its parts and Ex-components with special type of protection "s"			Sample Inspection	Compliant / non-compliant
386.	GOST 22782.3 clause 3.2				The effectiveness of explosion protection	Compliant / non-compliant
387.	GOST 31610.33 (IEC 60079-33) clause 10.1	Electrical equipment, its parts and Ex-components with special type of protection "s"			General requirements	Compliant / non-compliant
388.	GOST 31610.33 (IEC 60079-33) clause 10.2				Temperature class test	Compliant / non-compliant
389.	GOST 31610.35-1 (IEC 60079-35-1) clause 8.1	Head lamps, including those combined with devices of other functional purposes, intended for use in mines (mines) (hereinafter referred to as mines), hazardous by firedamp [group I electrical equipment for use in explosive environments			Maximum surface temperature	from 0 to + 1100°C
390.	GOST 31610.35-1 (IEC 60079-35-1) clause 8.2				Impact test	Withstand / fail
391.	GOST 31610.35-1 (IEC 60079-35-1) clause 8.3				Drop test	Withstand / fail
392.	GOST 31610.35-1 (IEC 60079-35-1) clause 8.4				Degree of protection provided by enclosure (IP code)	from IP0X to IP6X from IPX0 to IPX8
393.	GOST 31610.35-1 (IEC 60079-35-1) clause 8.5				Test for the absence of ignition of a test explosive activated mixture when a fuse melts or the current circuit is broken by a thermal switch	Withstand / fail
394.	GOST 31610.35-1 (IEC 60079-35-1) clause 8.6				Test for the absence of ignition of a test methane-air mixture heated by a short-circuit current by a separate wire of the cable core connecting the headlight and the battery	Withstand / fail
395.	GOST 31610.35-1 (IEC 60079-35-1) clause 8.7				Fatty acid resistance test for cable sheath	Withstand / fail
396.	GOST 31610.35-1 (IEC 60079-35-1) clause 8.8				Testing the cable sheath for non-propagation of combustion	Compliant / non-compliant
397.	GOST 31610.35-1 (IEC 60079-35-1) clause 8.9				Strength test of cable, cable glands and cable fixings	Withstand / fail
398.	GOST 31610.35-1 (IEC 60079-35-1) clause 8.10				Testing batteries for electrolyte leakage	Withstand / fail
				Current Limiting Resistor Tests	Withstand / fail	
				Resistance change	(0 - 100)%	

1	2	3	4	5	6	7
					Ignition	Found / Not Found
					Deformation	Found / Not Found
399.	GOST 31611.2 (IEC 62013) clause 8.1	Headlights for use in mines with hazardous gas			Checking the illumination during the useful working period (time of continuous operation)	Compliant / non-compliant
400.	GOST 31611.2 (IEC 62013) clause 8.2	Headlights for use in mines with hazardous gas			Checking the Lamp Life	Compliant / non-compliant
401.	GOST IEC 60079-35-2	Headlights for use in mines with firedamp hazard			Tests - Checking the illumination during the useful working period (time of continuous operation)	Withstand / fail
					Battery voltage	0 - 200 V
					illumination	Compliant / non-compliant
402.	GOST 31441.1 (EN 13463-1) clause 13.3.2.1	Non-electrical equipment intended for use in explosive atmospheres where mixtures of air and gases, vapours, mists and dusts can form an explosive atmosphere.			Impact test	Withstand / fail
403.	GOST 31441.1 (EN 13463-1) clause 13.3.2.2				Drop test	Withstand / fail
404.	GOST 31441.1 (EN 13463-1) clause 13.3.3				Measurement of maximum surface temperature	from -196 °C to + 1100°C
405.	GOST 31441.1 (EN 13463-1) clause 13.3.4.3				Heat resistance	Withstand / fail
406.	GOST 31441.1 (EN 13463-1) clause 13.3.4.4				Cold resistance	Withstand / fail
407.	GOST 31441.1 (EN 13463-1) clause 13.3.4.6				Mechanical Tests	Withstand / fail
408.	GOST 31441.1 (EN 13463-1) clause 13.3.4.7				Test to determine the surface resistivity of parts of equipment made of non-conductive materials that affect the maintenance of the type of protection	0-999.9 MOm
409.	GOST 31441.1 (EN 13463-1) clause 13.3.5				Thermal shock test	Withstand / fail
410.	GOST 32407 (ISO/DIS 80079-36) clause 8.2		Non-electrical equipment and Ex-components of protective systems, devices and assemblies assembled from these products containing their own sources of ignition and intended for use in explosive			Determining the maximum surface temperature
411.	GOST 32407 (ISO/DIS 80079-36) clause 8.3.1				Impact test	Withstand / fail
412.	GOST 32407 (ISO/DIS 80079-36) clause 8.3.2				Drop test	Withstand / fail

1	2	3	4	5	6	7
413.	GOST 32407 (ISO/DIS 80079-36) clause 8.4.7	environments			Mechanical Tests	Withstand / fail
414.	GOST 32407 (ISO/DIS 80079-36) clause 8.4.8				Test to determine the surface resistivity of parts of equipment made of non-conductive materials that affect the prevention of explosion and maintaining the type of protection	0-999.9 MOm
415.	GOST 32407 (ISO/DIS 80079-36) clause 8.4.9				Thermal shock test	Withstand / fail
416.	GOST 31441.2 (EN 13463-2) clause 6.2.1	Enclosures with limited passage of gases "fr". Restricted permeability enclosures for non-electrical equipment intended for use in potentially explosive atmospheres where the environment outside the enclosure becomes explosive on rare occasions and persists for a very short time			Testing of equipment with facilities for post-installation checks	Withstand / fail
417.	GOST 31441.2 (EN 13463-2) clause 6.2.2				Testing equipment that does not have a facility for post-installation checks	Withstand / fail
418.	GOST 31441.2 (EN 13463-2) clause 6.2.3				Testing of equipment, the internal volume of the shell of which varies depending on the pressure	Withstand / fail
419.	GOST 31441.3 (EN 13463-3) clause 15.1				Tests of flameproof enclosures of non-electrical equipment for explosive mixtures of gases or vapors with air	Withstand / fail
420.	GOST 31441.3 (EN 13463-3) clause 15.2				Tests of non-electrical equipment for explosive mixtures of combustible dust with air	Withstand / fail
421.	GOST 31441.5 (EN 13463-5) appendix B.1				Lubricated sealing devices dry run test	Withstand / fail
422.	GOST 31441.5 (EN 13463-5) appendix B.2	Determining the maximum clutch engagement time	0.2 s - 60 min			
423.	GOST 31441.6 (EN 13463-6) clause 9.1	Equipment intended for use in potentially explosive atmospheres with protection type "ignition source control "b"			Definition of control parameters	Compliant / non-compliant
424.	GOST 31441.6 (EN 13463-6) clause 9.2				Checking the functionality and accuracy of the ignition prevention system	Compliant / non-compliant
425.	GOST 31441.8 (EN 13463-8) clause 8.2	Equipment with liquid immersion ignition protection "k" which prevents potential sources of ignition from being converted to actual ignition sources depending on the level or levels of protection of the equipment			Overpressure testing of equipment encapsulated with stationary or moving protective liquid	Withstand / fail
426.	GOST 31441.8 (EN 13463-8) clause 8.3				Overpressure testing of jacketed equipment with a breather valve	Withstand / fail

1	2	3	4	5	6	7
427.	GOST ISO/DIS 80079-37 clause 8.1	Non-electrical equipment with types of protection "structural safety "c", ignition source control "b", immersion in liquid "k"			Type tests of equipment with type of protection "structural safety "c"	Withstand / fail
428.	GOST ISO/DIS 80079-37 clause 8.2				Type test for equipment with type of protection "ignition source control "b"	Withstand / fail
429.	GOST ISO/DIS 80079-37 clause 8.3				Type testing of equipment with type of protection "immersed in liquid "k"	Withstand / fail
430.	GOST 31439 (EN 1710)	Equipment and components intended for use in explosive environments of underground workings of mines and mines			Temperature detection	from -196 °C to + 1100°C
431.	GOST ISO/IEC 80079-38	Equipment and components intended for use in explosive environments of underground workings of mines and mines			Temperature detection	from -196 °C to + 1100°C
432.	GOST 31442 (EN 50303) clause 9.1	Group I equipment, with the level of protection Ma, intended for use in underground workings and surface structures of mines, dangerous for the ignition of firedamp and / or coal dust			Equipment of protection level Ma, having the required level of protection in the event of two independent faults	Compliant / non-compliant
433.	GOST 31442 (EN 50303) clause 9.2		Equipment of protection level Ma, having the required level of protection using a second independent type of protection	Compliant / non-compliant		
434.	GOST 31610.26 / IEC 60079-26 clause 5.3	Electrical equipment providing equipment protection level Ga when only one standard type of protection cannot be applied (for example, Ex "ia", Ex "ma", Ex "da")			Temperature detection	from -196 °C to + 1100°C
435.	GOST IEC 61241-1-2 clause 4	Electrical equipment protected by enclosures and surface temperature limitation, and intended for operation in areas hazardous to the ignition of combustible dust			Zone classification	Compliant / non-compliant
436.	GOST IEC 61241-1-2 clause 5		Execution of electrical equipment	Compliant / non-compliant		
437.	GOST IEC 61241-1-2 clause 6.1.1		Temperature limitation in the presence of dust-air mixture	from -196 °C to + 1100°C		
438.	GOST IEC 61241 -1-2 p.6.1.2		Temperature limitation in the presence of a layer of dust	from -196 °C to + 1100°C		
439.	GOST IEC 61241 -1-2 clause 6.2		Maximum allowable surface temperature	from -196 °C to + 1100°C		
440.	GOST IEC 61241-1-2 clause 7		Equipment selection	Compliant / non-compliant		
441.	GOST IEC 61241-1-2 clause 8		Installation of electrical equipment	Compliant / non-compliant		
442.	GOST IEC 61241 -1-2 clause 9		Wiring systems	Compliant / non-compliant		

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443.	GOST IEC 61241-1-2 clause 10				Inspection and maintenance	Compliant / non-compliant
444.	GOST IEC 60079-14	Electrical installations in hazardous areas associated with explosive atmospheres			Design, selection and installation of electrical installations	Compliant / non-compliant
445.	GOST 24471 clause 1.2	Networked mine lighting			Shine products	Compliant / non-compliant
446.	GOST 24471 clause 1.3.2	Mining light fixtures, normal			Insulation resistance	0 - 999 MΩm
447.	GOST 24471 clause 1.3.3				Electrical strength of insulation	Withstand / fail
448.	GOST 24471 clause 1.3.4				Protection against accidental contact	Compliant / non-compliant
449.	GOST 24471 clause 1.4.1.3		Protective glasses of lighting mine devices			Leakage routes
450.	GOST 24471 clause 1.4.2	Mining light fixtures, normal			Electrical clearances	0 -400 mm
451.	GOST 24471 clause 1.4.4				Protective glass area	0 -1600 mm <sup>2</sup>
452.	GOST 24471 clause 1.4.5				Safety glass collar height	0 – 400 mm
453.	GOST 24471 clause 1.4.6				Internal installation	Compliant / non-compliant
454.	GOST 24471 p. 1.4.11		Network mine lighting devices powered by an electrical network and designed for general lighting of underground mine workings			Distance between lamp and protective glass
455.	GOST 24471 clause 1.4.13	Mobile and portable mining lighting devices powered by the mains			Clearance between protective grid and protective glass	0 – 400 mm
456.	GOST 24471 p. 1.4.14	Mining light fixtures, normal			Fastening the protective mesh to the elements of the shell	Compliant / non-compliant
457.	GOST 24471 clause 1.4.19				Network mine light device, powered by the mains and designed for general lighting of underground mine workings	Compliant / non-compliant
458.	GOST 24471 p. 1.4.24				Testing of a device that prevents the cable from being pulled out of the input with a static force of at least 200 N.	Withstand / fail
459.	GOST 24471 p. 1.4.24.				Testing devices that prevent pulling out the cord	Withstand / fail
460.	GOST 24471 p. 1.4.26.				Fastening lampholders inside lighting fixtures	Compliant / non-compliant
461.	GOST 24471 clause 5.3		Mining light fixtures, normal			Flex Cord Length
462.	GOST 24471 clause 5.4				Outer cord diameter	0 – 400 mm
463.	GOST 24471 clause 5.5				A device that prevents access to the headlight and battery without a special key	Compliant / non-compliant
464.	GOST 24471 clause 5.8				Protection against external influences	from IP0X to IP6X from IPX0 to IPX8
					Checking the mechanical strength of the protective grid, protective glass and body of the lighting device with a falling weight	Withstand / fail
					Checking the mechanical strength of a light fixture by dropping it	Withstand / fail
					Testing the cord of the head battery lamp for mechanical strength by repeated bending	Withstand / fail

1	2	3	4	5	6	7
					with torsion	
465.	GOST 24471 clause 5.9				Checking the strength of the cable or cord in the light fixture	Withstand / fail
466.	GOST 24471 p.5.10				Checking the duration of continuous burning of the battery lamp	0 - 24 h
467.	GOST 24471 p.5.12				Testing protective glasses for heat resistance	Withstand / fail
468.	GOST 24471 p.5.13				Testing of lighting fixtures for heat resistance	Withstand / fail
469.	GOST 24471 clause 5.14				Maximum surface temperature	from -196 °C to + 1100°C
					Ambient heating temperature	from -196 °C to + 1100°C
470.	GOST 31814-2012	Sampling			Sampling	-
471.	GOST R 51293-99	Product identification			Product identification. General provisions	Compliant / non-compliant
472.	GOST 27473 (IEC 112) p.6	Solid electrical insulating materials			Comparative tracking index	from SIT 100 to SIT 600
473.	GOST 24754 clause 5.2	Mine electrical equipment in normal design (hereinafter referred to as products) intended for operation in various industries in underground workings of mines and mines that are not dangerous in relation to gas, steam or dust explosions			Drop and tip-over resistance	Withstand / fail
474.	GOST 24754 clause 5.4				Degree of protection provided by enclosure (IP code)	from IP0X to IP6X from IPX0 to IPX8
475.	GOST 24754 clause 5.5				Checking the performance of products in an inclined position	Withstand / fail
476.	GOST 24754 p.5.6				Heating temperatures of the outer parts of the shell	from -196 °C to + 1100°C
477.	GOST 2933, R.5		Devices for alternating voltage up to 1000 V and direct voltage up to 1200 V automatic and non-automatic switches, disconnectors, contactors, magnetic starters, relays, controllers, fuses, resistors, rheostats and other devices			Surface temperature
478.	GOST 24754 p.5.8	Mining electrical equipment in normal design, intended for operation in various industries in underground workings of mines and mines that are not dangerous in relation to gas, steam or dust explosions			Impact test of viewing windows	Withstand / fail
479.	GOST 31613 clause 5.3	Shells and other parts of electrical equipment, special clothing and footwear, conveyor belts and ventilation pipes, wholly or partly made of non-metallic materials and			Definition of geometric parameters	0 - 1000 mm
480.	GOST 31613 clause 5.4				Specific surface electrical resistance	0-999.9 MOm
					Electrical resistance	0-999.9 MOm
481.	GOST 31613 clause 5.5				Determining the energy of a static electricity discharge	0-1000 J

1	2	3	4	5	6	7
		electrified during their use in explosive areas			Electric capacitance of a metal part of a non-metal product	0.1nF - 200uF
					Electric voltage on the metal part of the product	0 - 1000 V
482.	GOST 31613 clause 5.6				Determining the amount of charge in a pulse	0 – 1 C
483.	GOST 31613 Appendix A				Measurement of the specific surface electrical resistance of a material ventilation pipes	0-999.9 MOm
484.	GOST 31613 appendix G				Determining the ignition ability of static electricity discharges by the charge in the pulse	Presence/absence of undermining the test environment
		All types of products for which the standardization of the degrees of protection provided by the shells against the penetration of solid objects and water is required			Electrical capacitance	0.1nF - 200uF
					electrical voltage	0 - 1000 V
485.	GOST 14254				Test of protection against access to hazardous parts of equipment, denoted by the first characteristic digit	from IP0X to IP6X
		Rotating electrical machines			Test of protection against the ingress of external solid objects, indicated by the first characteristic numeral	from IP0X to IP6X
					Test of protection against water, indicated by the second characteristic numeral	IPX0 to IPX8
486.	GOST IEC 60034-5				Tests for compliance with the first characteristic digit	from IP0X to IP6X
				Tests for compliance with the second characteristic numeral	IPX0 to IPX8	

Director General of Techpromimport LLC \_\_\_\_\_ Gorelov I.V.