SCOPE OF ACCREDITATION
TESTING LABORATORY (GOST ISO/IEC 17025-2019)

Testing Center of All-Russia Electrotechnical Institute − the Branch of the Federal State Unitary Enterprise «Russian Federal Nuclear Center – Zababakhin All-Russia Research Institute of Technical Physics»

Title of the Testing Laboratory

RA.RU.21HH33

Number in in the Register of Accredited Conformity Assessment Bodies

1. **111250, Russia, Moscow, Krasnokazarmennaya Street 12, Bld. 3.**

Business address

2. **111250, Russia, Moscow, Krasnokazarmennaya Street 12, Bld. 8.**

Business address

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Business address

For Compliance with GOST ISO/IEC 17025-2019 General requirements for the competence of testing and calibration laboratories / individual requirements to the quality and competence of medical laboratories. GOST ISO/IEC 17025-2019

Title and reference details of an international or national standard

111250, Russia, Moscow, Krasnokazarmennaya Street 12, Bld. 3.

Business address

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1. Testings (investigations), production measurement						
1.1.	GOST 3484.3, subclause 4.1, 5.1; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electronic transformers;	27.11.4	8504210000; 850422100 0; 8504229000; 8504230 00; 850431; 850432000; 8 50433000; 8504340000	Absorbtion coefficient	Calculated rate: -

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.1.					Insulation resistance	- 0 TΩ to 40,0 TΩ
1.2.	GOST 34839, subclause 9.2.1; Non-destructive testing; exterior inspection and measurements	Plastic electrically insulating accessories;	27.33.14	853590000	Completeness	Compliant/noncompliant -
					Mass	- 0 kg to 50 kg
1.3.	GOST 34839, subclause 9.2.2; Non-destructive testing; exterior inspection and measurements	Plastic electrically insulating accessories;	27.33.14	853590000	Overall dimensions	- 0 mm to 1000 mm
					Structural dimensions	- 0 mm to 1000 mm

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.4.	GOST 34839, subclause 9.2.4; Non-destructive testing; exterior inspection and measurements	Plastic electrically insulating accessories;	27.33.14	853590000	Mark permanency	Passed/failed -
1.5.	GOST 34839, subclause 9.1.2, 9.2.3., 9.2.5; Non-destructive testing; exterior inspection and measurements	Plastic electrically insulating accessories;	27.33.14	853590000	Exterior	Compliant/noncompliant -
1.6.	4221-001-75617971-2007 RE , clause 4; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electromotors, generators, and transformers; Switchgears and regulating electrical equipment; Electronic and electrical leads and cables, etc.; Wiring products; Other electrical equipment;	27.11; 27.12; 27.32; 27.3 3; 27.90	8504; 8535; 8536; 8546	Dielectric loss angle tangent	- 0,01 % to 100 %
					Electric capacity	- 20 pF to $1*10^6$ pF
1.7.	GOST IEC 60898-1, subclause 9.7.1; Environmental effect testing; high air humidity testing	AC high-voltage circuit-breakers, contactors and reversers (high-voltage power circuit-breakers);	27.12.10.110	8535	Water proofness	Passed/failed - 91 % to 95 %

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.7.	Long-term and accelerated					
1.8.	GOST IEC 60898-1, subclause 9.7.2; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	AC high-voltage circuit-breakers, contactors and reversers (high-voltage power circuit-breakers);	27.12.10.110	8535	Main circuit insulation resistance	Passed/failed 0 TΩ to 40,0 TΩ
1.9.	GOST 1983, subclause 9.3; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Other transformers of power not greater than 16 kVA;	27.11.42	850431; 8504320002	Winding insulation resistance	- 0 TΩ to 40,0 TΩ
1.10.	GOST 20248, clause 9; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electric circuit switching and protection device packages;	27.12.3	853720	Insulation resistance	Sufficient/insufficient 0 TΩ to 40,0 TΩ

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.11.	GOST GOST R 55187, subclause 9.4; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Ceramic electrical insulators; insulating accessories for electric equipment and ceramic devices; Electrical insulators; Other vulcanized rubber products, not elsewhere classified; hard rubber in all forms and products thereof; porous vulcanized rubber flooring and matting;	23.43.10; 27.90.12.110; 22.19.73	8546200000; 8546901000	Insulation resistance	- 0 TΩ to 40,0 TΩ
1.12.	GOST 31996, subclause 8.3.1; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Other electrical conductors for voltages not greater than 1 kV; Other electrical conductors for voltages greater than 1 kV;	27.32.13; 27.32.14	854460	Power core electrical resistance	- 10^{-6} Ω to $10*10^{3}$ Ω
1.13.	GOST 31996, subclause 8.3.2, 8.3.3; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Other electrical conductors for voltages not greater than 1 kV; Other electrical conductors for voltages greater than 1 kV;	27.32.13; 27.32.14	854460	Power core diameter	- 0.1 mm to 1000 mm

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.13.					Length	- 1 m to 100 m
					Outer diameter of insulated core	- 0.1 mm to 1000 mm
					Specific electrical resistance	Calculated rate: -
					Electrical insulation resistance	- 0 TΩ to 40.0 TΩ
1.14.	GOST 3345, clauses 2, 3, 4; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electronic and electrical leads and cables, etc.;	27.32.1	854460	Electrical insulation resistance	- 0 TΩ to 40.0 TΩ

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.15.	GOST 20493, subclause 8.8; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electrical insulators; insulating accessories for electrical machines and equipment; electric pipes;	27.90.12	8535900008	Electrical insulation resistance	- 0 TΩ to 40.0 TΩ
1.16.	GOST R 55716, subclause 6.5; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	AC high-voltage circuit-breakers, contactors and reversers (high-voltage power circuit-breakers); AC high-voltage disconnecting switches, short-circuiting switches, isolating switches, earthing switches;	27.12.10.110; 27.12.10. 120	-	Rated current	Passed/failed 0 kA to 12 kA
					Temperature	- 0 ˚C to 300 ˚C
					Temperature rise	- 0 ˚C to 300 ˚C
1.17.	GOST 9920-89 (CMEA STANDARD 6465-88, IEEC 815-86, IEEC 694-80), subclause 2.2; Electrophysical investigations (testings); electrophysical investigation (testing) methods	Electromotors, generators, and transformers; Switchgears and regulating electrical equipment;	27.11; 27.12; 27.32; 27.9 0	8504; 8535; 8536; 8546	Leakage path length for external insulation	- 0 mm to 50000 mm

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.17.	without specification	Electronic and electrical leads and cables, etc.; Other electrical equipment;				
1.18.	GOST 2990, subclause 4.1, 4.4.1; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Other electrical conductors for voltages not greater than 1 kV;	27.32.13	854442; 854449	DC voltage	- 1 kV to 70 kV
					Insulation strength	Passed/failed -
1.19.	GOST R 70507.1-2024, subclause 9.1; Non-destructive testing; exterior inspection and measurements	Electronic transformers; Other transformers of power not greater than 16 kVA;	27.11.4; 27.11.42	8504210000; 850422100 0; 8504229000; 8504230 00; 850431; 850432000; 8 50433000; 8504340000; 8504320002	Dimensions	- 0 mm to 15000 mm
					Completeness	Passed/failed -

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.19.					Marking and branding	Compliant/noncompliant -
					Mass	- 0 kg to 5000 kg
					Nameplate data complience	Compliant/noncompliant -
					Protective coating condition	Compliant/noncompliant -
					Surface condition	Compliant/noncompliant -

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.20.	GOST R 70507.1, subclause 9.2.10, 9.2.11; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electronic transformers; Other transformers of power not greater than 16 kVA;	27.11.4; 27.11.42	850431; 8504320002	Power-frequency voltage	- 1 kV to 230 kV
					Insulation strength	Passed/failed -
1.21.	GOST R 70507.1, subclause 9.2.4; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electronic transformers; Other transformers of power not greater than 16 kVA;	27.11.4; 27.11.42	850431; 8504320002	Winding insulation resistance	Passed/failed 0TΩ to 40 TΩ
1.22.	GOST R 70507.1, subclause 9.2.6; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electronic transformers; Other transformers of power not greater than 16 kVA;	27.11.4; 27.11.42	850431; 8504320002	Partial discharge factor	Passed/failed 1pC to 100000 pC
1.23.	GOST R 70507.1, subclause 9.4; Environmental effect testing; other investigation (testing) methods	Electronic transformers; Other transformers of power not greater than 16 kVA;	27.11.4; 27.11.42	850431; 8504320002	Gas leakage rate	Calculated rate: -

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.23.	environmental effect testing				Gas concentration	0 ppm to 1000 ppm
					Pressure	0 MPa to 0,9 MPa
					Dimensions	0 mm to 15000 mm
1.24.	GOST R 70507.1, subclause 9.5; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electronic transformers; Other transformers of power not greater than 16 kVA;	27.11.4; 27.11.42	850431; 8504320002	DC winding resistance	10^{-6} Ω to $100*10^{3}$ Ω
1.25.	GOST R 70507.2, subclause 9.5.1; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electronic transformers;	27.11.4	850431800	DC winding resistance	10^{-6} Ω to $100*10^{3}$ Ω

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.26.	GOST R 70507.2, subclause 9.15; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electronic transformers;	27.11.4	850431800	Absolute angle error	- -600 min to 600 min
					Relative current error	- -20 to 20 %
					AC current	- 0 A to 12000 A
1.27.	GOST R 70507.2, subclause 9.16; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electronic transformers;	27.11.4	850431800	Safety coefficient	Compliant/noncompliant -
					AC current	- 0 A to 50 A

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.27.					Error	Calculated rate: -
					Maximum multiplicity	Compliant/noncompliant -
1.28.	GOST R 70507.2, subclause 9.17; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electronic transformers;	27.11.4	850431800	AC voltage	0 V to 2000 V
					AC current	0 A to 50 A
1.29.	GOST R 70507.2, subclause 9.18; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electronic transformers;	27.11.4	850431800	AC current	0 A to 200 kA

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.29.					Short-circuit current withstand	Passed/failed -
1.30.	GOST 2933, subclause 2.1- 2.7; Non-destructive testing; exterior inspection and measurements	Electric circuit switching and protection devices for voltages not greater than 1 kV	27.12.2	8536	Compatibility of parts	Compliant/noncompliant -
					Exterior	Compliant/noncompliant -
					Dimensions	0 mm to 15000 mm
					Completeness	Compliant/noncompliant -

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.30.					Marking and branding	Confirmed/not confirmed -
					Mass	- 0 kg to 5000 kg
1.31.	GOST 2933, subclause 2.12; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electric circuit switching and protection devices for voltages not greater than 1 kV	27.12.2	8536	Actuation	Passed/failed -
					Actuating voltage	- 0 V to 500 V
					Actuating current	- 0 A to 30 A

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.32.	GOST 2933, subclause 3.1-3.11; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electric circuit switching and protection devices for voltages not greater than 1 kV	27.12.2	8536	Insulation strength	Passed/failed -
					Power-frequency voltage	- 0 to 10 kV
					Lightning impulse voltage	- 0 to 20 kV
1.33.	GOST 2933, subclause 3.12; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electric circuit switching and protection devices for voltages not greater than 1 kV	27.12.2	8536	Electrical insulation resistance	Passed/failed 0 to 40 TΩ
1.34.	GOST 2933, subclause 4; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electric circuit switching and protection devices for voltages not greater than 1 kV	27.12.2	8536	AC current	- 0.5 to 12000 A

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.34.					Temperature rise	Calculated rate: -
					Heating temperature	- 0 °C to 300 °C
					Ambient air temperature	- 0 °C to 300 °C
					Electrical resistance	- 10^{-6} Ω to $100*10^{3}$ Ω
1.35.	GOST 2933, subclause 5; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electric circuit switching and protection devices for voltages not greater than 1 kV	27.12.2	8536	Consumed power	- 0 kW to 100 kW

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.35.					Electrical resistance	- 10-^{6} Ω to $100*10^{3}$ Ω
					Test current	- $0.1*10\text{-}^{3}$ A to 600 A
					Voltage drop	- 0 V to 1000 V
					Circuital current	- $0.1*10\text{-}^{3}$ A to 600 A
1.36.	GOST 2933, clause 7; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electric circuit switching and protection devices for voltages not greater than 1 kV	27.12.2	8536	Test voltage	- 0 V to 1000 V

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.36.					Test current	- 0 kA to 100 kA
					Switching capacity	Passed/failed -
1.37.	GOST 2933, subclause 8.5; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electric circuit switching and protection devices for voltages not greater than 1 kV	27.12.2	8536	Short-circuit current withstand	Passed/failed -
					Test current	- 0 kA to 100 kA
1.38.	GOST 2933, subclause 8.1 - 8.4; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electric circuit switching and protection devices for voltages not greater than 1 kV	27.12.2	8536	Number of cycles	- 1 cycles to 100000 cycles

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.38.					Switching wear-resistance	Passed/failed -
					Mechanical wear-resistance	Passed/failed -
					AC current	- 0 kA to 25 kA
1.39.	GOST R 52034, subclause 8.1.5; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Ceramic electrical insulators; insulating accessories for electric equipment and ceramic devices; Electrical insulators;	23.43.10; 27.90.12.110	8546200000	AC current	- 0 kA to 20 kA
					Electrical arc resistance	Passed/failed -

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.40.	GOST R 52034, subclause 8.2.2; Physical and mechanical; other investigation (testing) methods to determine physical and mechanical characteristics	Ceramic electrical insulators; insulating accessories for electric equipment and ceramic devices; Electrical insulators;	23.43.10; 27.90.12.110	8546200000	resistance to single shocks	Passed/failed -
					Shock energy	- 0 J to 60 J
1.41.	GOST R 52034, subclause 8.6; Physical and mechanical; other investigation (testing) methods to determine physical and mechanical characteristics	Ceramic electrical insulators; insulating accessories for electric equipment and ceramic devices; Electrical insulators;	23.43.10; 27.90.12.110	-	Reliability	Passed/failed -
					Disruptive load under bending	- 0 kN to 500 kN
					Tensile disruptive force	- 0 kN to 500 kN

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.41.					Water temperature	- +20 °C to +98 °C
					Air temperature	- -70 °C to +130 °C
					Torsional strength	Passed/failed -
					Torsion torque	- 0 kN*m to 50 kN*m
1.42.	GOST R 52034, subclause 8.7; Non-destructive testing; exterior inspection and measurements	Ceramic electrical insulators; insulating accessories for electric equipment and ceramic devices; Electrical insulators;	23.43.10; 27.90.12.110	8546200000	Displacement	Passed/failed 0.01 mm to 10 mm

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.42.					Radial displacement	Passed/failed 0.01 mm to 10 mm
					Mass	Passed/failed 0 kg to 5000 kg
					Dimensions	Passed/failed 0 mm to 20000 mm
1.43.	GOST R 52082, subclause 8.4, Appendix G; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electrical insulators; Other vulcanized rubber products, not elsewhere classified; hard rubber in all forms and products thereof; porous vulcanized rubber flooring and matting;	27.90.12.110; 22.19.73	8546901000	AC current	- 0 kA to 20 kA
					Electrical arc resistance	Passed/failed -

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.44.	GOST R 52082, subclause 8.5.1, 8.5.2, 8.5.4-8.5.13; physical and mechanical; other investigation (testing) methods to determine physical and mechanical	Electrical insulators; Other vulcanized rubber products, not elsewhere classified; hard rubber in all forms and products thereof; porous vulcanized rubber flooring and matting;	27.90.12.110; 22.19.73	8546901000	Bending force	0 kN to 500 kN
					Torsion torque	0 kN * m to 50 kN * m
					Mechanical strength	Passed/failed -
					Bending deflection	- 0 mm to 250 mm
					Tensile mechanical force for 1 min	- 0 kN to 500 kN

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.44.					Temperature	- -60 °C to +85 °C
					Torsional angle	- 0 to 90 degree
1.45.	GOST R 52082, subclause 8.6.5; Environmental effect testing; other environmental effect investigation (testing) methods	Electrical insulators; Other vulcanized rubber products, not elsewhere classified; hard rubber in all forms and products thereof; porous vulcanized rubber flooring and matting;	27.90.12.110; 22.19.73	8546901000	Holding time	- 0 h to 100 h
					Resistance to water penetration	Passed/failed -
					Water temperature	- 20°C to 100 °C

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.46.						
1.47.	GOST R 52082, subclause 8.9.1, Appendix B.1; Environmental effect testing; other environmental effect investigation (testing) methods	Electrical insulators; Other vulcanized rubber products, not elsewhere classified; hard rubber in all forms and products thereof; porous vulcanized rubber flooring and matting;	27.90.12.110; 22.19.73	8546901000	Water repellence class	- 1 to 7
1.48.	GOST R 52082, subclause 8.9.2; Non-destructive testing; exterior inspection and measurements	Electrical insulators; Other vulcanized rubber products, not elsewhere classified; hard rubber in all forms and products thereof; porous vulcanized rubber flooring and matting	27.90.12.110; 22.19.73	8546901000	Integrity and correctness of marking	Passed/failed -

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.48.					Protective enclosure structure	Passed/failed -
					Protective enclosure surface quality	Passed/failed -
					Corrosion-protective coating quality	Passed/failed -
1.49.	GOST R 52082, subclause 8.9.3; Non-destructive testing; exterior inspection and measurements	Electrical insulators; Other vulcanized rubber products, not elsewhere classified; hard rubber in all forms and products thereof; porous vulcanized rubber flooring and matting;	27.90.12.110; 22.19.73	8546901000	Quality of connection between accessories and insulation part	Compliant/noncompliant -

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.50.	GOST R 52082, subclause 8.9.4; Non-destructive testing; exterior inspection and measurements	Electrical insulators; Other vulcanized rubber products, not elsewhere classified; hard rubber in all forms and products thereof; porous vulcanized rubber flooring and matting;	27.90.12.110; 22.19.73	8546901000	Protective coating thickness	Passed/failed 5 µm to 5000 µm
1.51.	GOST R 52082, subclause 8.9.5; Physical and mechanical; other investigation (testing) methods to determine physical and mechanical characteristics	Electrical insulators; Other vulcanized rubber products, not elsewhere classified; hard rubber in all forms and products thereof; porous vulcanized rubber flooring and matting;	27.90.12.110; 22.19.73	8546901000	Protective coating adhesion	Passed/failed -
					Dimensions	- 0 mm to 1000 mm
					Tearing force	- 0 kN to 2 kN

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.51.					Shear force	- 0 kN to 2 kN
1.52.	GOST R 52082-2023, subclause 8.9.7; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electrical insulators; Other vulcanized rubber products, not elsewhere classified; hard rubber in all forms and products thereof; porous vulcanized rubber flooring and matting;	27.90.12.110; 22.19.73		Water diffusion	Passed/failed -
					Voltage	- 0 to 50 kV
1.53.	GOST 8.217, subclause 10.1; Non-destructive testing; exterior inspection and measurements	Electronic transformers;	27.11.4	850431; 8504320002	Exterior	Compliant/noncompliant -
					Identification and marking	Compliant/noncompliant -

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.54.	GOST 8.217, subclause 10.2; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electronic transformers;	27.11.4	850431; 8504320002	Winding insulation resistance	Passed/failed 0 TΩ to 40,0 TΩ
1.55.	GOST 8.217, subclause 10.3, 10.4, 10.5; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electronic transformers;	27.11.4	850431; 8504320002	Marking	Compliant/noncompliant -
					Absolute angle error	- -600 min to 600 min
					Relative current error	- -20 % to 20 %
					AC current	- 0 A to 12000 A

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.56.	GOST 7746, subclause 9.3; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electronic transformers;	27.11.4	850431; 8504320002	Winding insulation resistance	Passed/failed 0 TΩ to 40,0 TΩ
1.57.	GOST 7746, subclause 9.5; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electronic transformers;	27.11.4	850431; 8504320002	Absolute angle error	- -600 to 600 min
					Relative current error	- -20 to 20 %
					AC current	- 0 A to 12000 A
					Marking	Compliant/noncompliant -

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.58.	GOST IEC 61439-1, subclause 10.5.2; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Switchgears and regulating electrical equipment	27.12	8536; 8537	Continuity of protective circuit	Passed/failed -
					Protective circuit resistance	- 10^{-6} Ω to $100*10^{3}$ Ω
					Current	- 10 A to 100 A
1.59.	IEC 62271-103:2021 ed. 2.0, subclause 7.6; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Switchgears and regulating electrical equipment	27.12	8537	Short-circuit current withstand	Passed/failed -
					Current	- 0 to 200 kA

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.60.	IEC 62271-103:2021 ed. 2.0, subclause 7.101; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Switchgears and regulating electrical equipment	27.12	8537	Switching capacity	Passed/failed -
					Current	- 0 kA to 100 kA
					Voltage	- 0 kV to 20 kV
1.61.	IEC 62271-111:2019 ed. 3, subclause 7.6; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Switchgears and regulating electrical equipment	27.12	8535; 8536	Short-circuit current withstand	Passed/failed -
					Current	- 0 kA to 100 kA

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.62.	IEC 62271-111:2019 ed. 3, subclause 7.101; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Switchgears and regulating electrical equipment	27.12	8535; 8536	Switching capacity	Passed/failed -
					Current	- 0 kA to 100 kA
					Voltage	- 0 kV to 38 kV
1.63.	IEC 62271-111:2019 ed. 3, subclause 7.102; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Switchgears and regulating electrical equipment	27.12	8535; 8536	Switching capacity	Passed/failed -
					Current	- 0 kA to 20 kA

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.63.					Voltage	- 0 kV to 6 kV
1.64.	IEC 62271-111:2019 ed. 3, subclause 7.103; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Switchgears and regulating electrical equipment	27.12	8535; 8536	Switching capacity	Passed/failed -
					Current	- 0 kA to 10 kA
					Voltage	- 0 to 6 kV
1.65.	IEC/IEEE 62271-37-013:2021 ed. 2.0, subclause 7.106; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Switchgears and regulating electrical equipment	27.12	8537	Switching capacity	Passed/failed -

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.65.					Current	- 0 kA to 63 kA
					Voltage	- 0 kV to 42 kV
1.66.	GOST 2213, subclause 7.7; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	High-voltage fuses;	27.12.10.140	853610	Short-circuit current withstand	Passed/failed -
					Current	- 0 kA to 100 kA
1.67.	GOST 2213, subclause 7.8; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	High-voltage fuses;	27.12.10.140	853610	Breaking capacity	Passed/failed -

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.67.					Current	- 0 kA to 32 kA
					Voltage	- 0 kV to 35 kV
1.68.	GOST R 55188, subclause 4.1; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electronic transformers;	27.11.4	8504210000; 850422100 0; 8504229000; 8504230 00; 850431; 850432000; 8 50433000;	Thermal resistance at short-circuit	Passed/failed -
					Current	- 0 kA to 100 kA
1.69.	GOST R 55188-2012, subclause 4.2; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electronic transformers;	27.11.4	8504210000; 850422100 0; 8504229000; 8504230 00; 850431; 850432000; 8 50433000; 8504340000	Dynamic resistance at short-circuit	Passed/failed -

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.69.					Current	- 0 kA to 200 kA
1.70.	GOST R 55195, subclause 8.1.4, 8.3.2; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electromotors, generators, and transformers; Switchgears and regulating electrical equipment; Electronic and electrical leads and cables, etc.; Other electrical equipment;	27.11; 27.12; 27.32; 27.90	8504; 8535; 8536; 8546	Insulation strength	Passed/failed -
1.71.	GOST 22756, subclause 3.1; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electronic transformers;	27.11.4	8504210000; 850422100 0; 8504229000; 8504230 00; 850431; 850432000; 8 50433000; 8504340000	Insulation strength	Passed/failed -
1.72.	IEC 60076-1(2011), subclause 11.4; Electrophysical investigations (testings); electrophysical investigation (testing) methods	Electronic transformers;	27.11.4	8504210000; 850422100 0; 8504229000; 8504230 00; 850431; 850432000; 8 50433000;	Air temperature	- 0 °C to 300 °C

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.72.	Without specification			8504340000	AC current	- 0 A to 6000 A
					Voltage short-circuit	Calculated rate: -
					Short-circuit losses	Calculated rate: -
					Active power	- 0 kW to 2000 kW
					Alternating current	- 0 kV to 100 kV

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.73.	IEC 60076-5(2006), clause 4; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electronic transformers;	27.11.4	8504210000; 850422100 0; 8504229000; 8504230 00; 850431; 850432000; 8 50433000; 8504340000	AC current	- 0 kA to 200 kA
					Short-circuit current withstand	Passed/failed -
1.74.	GOST 14794, subclause 6.1; non-destructive testing; exterior inspection and measurements	Electronic transformers;	27.11.4	850450	Dimensions	- 0 mm to 50000 mm
1.75.	GOST 14794, subclause 6.10; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electronic transformers;	27.11.4	850450	AC current	- 0 A to 10000 A
1.76.	GOST R 52719, subclause 10.1; non-destructive testing; exterior inspection and measurements	Electronic transformers;	27.11.4	8504210000; 850422100 0; 8504229000; 8504230 00; 850431; 850432000; 8 50433000; 8504340000	Dimensions	- 0 mm to 50000 mm

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.77.	GOST R 52719, subclause 10.5; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electronic transformers;	27.11.4	8504210000; 850422100 0; 8504229000; 8504230 00; 850431; 850432000; 8 50433000;	Maximum current peak (electrodynamic withstand current)	- 0 kA to 200 kA
					Current RMS	- 0 kA to 100 kA
					Short-circuit current withstand and load impact resistance	Passed/failed -
1.78.	GOST R 55190, subclause 8.2 (visually); Non-destructive testing; exterior inspection and measurements	Switchgears and regulating electrical equipment; Electric circuit switching and protection devices for voltages not greater than 1 kV Electric circuit switching and protection devices for voltages not greater than 1 kV; Electric circuit switching and protection device packages;	27.12; 27.12.1; 27.12.2; 27.12.3; 27.12.4	8535; 8537	Surface condition	Compliant/noncompliant -
					Protective coating condition	Compliant/noncompliant -

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.78.		Parts of switchgears and regulating electrical equipment;			Marking and branding	Compliant/noncompliant -
1.79.	GOST R 55190-2022, subclause 8.2 (multipurpose instrument); non-destructive testing; exterior inspection and measurements	Switchgears and regulating electrical equipment; Packaged switchgears; Electric circuit switching and protection devices for voltages greater than 1 kV; Electric circuit switching and protection devices for voltages not greater than 1 kV; Electric circuit switching and protection device packages; Parts of switchgears and regulating electrical equipment;	27.12; 27.12.1; 27.12.2; 27.12.3; 27.12.4	8535; 8537	Overall dimensions / setting dimensions / connecting dimensions	- 0 mm to 15000 mm

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.80.	GOST R 55190-2022, subclause 8.2 (general-purpose balance); Non-destructive testing; exterior inspection and measurements	Switchgears and regulating electrical equipment; Electric circuit switching and protection devices for voltages greater than 1 kV; Electric circuit switching and protection devices for voltages not greater than 1 kV; Electric circuit switching and protection device packages; Parts of switchgears and regulating electrical equipment;	27.12; 27.12.1; 27.12.2; 27.12.3; 27.12.4	8535; 8537	Mass	- 0 kg to 5000 kg
1.81.	GOST R 55190, subclause 8.4.1 (exterior inspection); Non-destructive testing; exterior inspection and measurements	Switchgears and regulating electrical equipment; Electric circuit switching and protection devices for voltages greater than 1 kV; Electric circuit switching and protection devices for voltages not greater than 1 kV; Electrical switchgear or protection	27.12; 27.12.1; 27.12.2; 27.12.3; 27.12.4	8535; 8537	Accessory equipment	Compliant/noncompliant -

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.81.		equipment packages; Parts of switchgears and regulating electrical equipment;				
1.82.	GOST R 55190, subclause 8.4.2 (multipurpose instrument); Physical and mechanical; geometric processing (Length, angle)	Switchgears and regulating electrical equipment; Electric circuit switching and protection devices for voltages greater than 1 kV; Electric circuit switching and protection devices for voltages not greater than 1 kV; Electric circuit switching and protection device packages; Parts of switchgears and regulating electrical equipment;	27.12; 27.12.1; 27.12.2; 27.12.3; 27.12.4	8535; 8537	Dimensions	- 0 mm to 1000 mm
1.83.	GOST R 55190-2022, subclause 8.4.4.2; Functional tests of systems and structure elements; functional tests of systems	Switchgears and regulating electrical equipment; Electric circuit switching and protection devices for voltages greater than 1 kV;	27.12; 27.12.1; 27.12.2; 27.12.3; 27.12.4	8535; 8537	Operation	Passed/failed -

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.83.	Structures	Electric circuit switching and protection devices for voltages not greater than 1 kV; Electric circuit switching and protection device			Power voltage	- 0 V to 1000 V
					Force	- 0 N to 500 N
					Force	- 0 N to 500 N
1.84.	GOST R 55190-2022, subclause 8.4.5.1; physical and mechanical; measurement of physical quantities	Switchgears and regulating electrical equipment; Electric circuit switching and protection devices for voltages greater than 1 kV; Electric circuit switching and protection devices for voltages not greater than 1 kV; Electric circuit switching and protection device packages; Parts of switchgears and regulating electrical equipment;	27.12; 27.12.1; 27.12.2; 27.12.3; 27.12.4	8535; 8537	Proper time/ Closing time/ opening time	- 0 s to 100 s

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.84.						
1.85.	GOST R 55190, subclause 8.4.6.1, 8.4.6.5-8.4.6.8, 8.4.6.10; physical and mechanical; strength test	Switchgears and regulating electrical equipment; Electric circuit switching and protection devices for voltages greater than 1 kV; Electric circuit switching and protection devices for voltages not greater than 1 kV; Electric circuit switching and protection device packages; Parts of switchgears and regulating electrical equipment;	27.12; 27.12.1; 27.12.2; 27.12.3; 27.12.4	8535; 8537	Mechanical strength	Passed/failed -
					Power voltage	- 0 V to 1000 V
1.86.	GOST R 55190, subclause 8.4.6.2-8.4.6.4; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Switchgears and regulating electrical equipment; Electric circuit switching and protection devices for voltages greater than 1 kV;	27.12; 27.12.1; 27.12.2; 27.12.3; 27.12.4	8535; 8537	Actuation	Passed/failed -

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.86.		Electric circuit switching and protection devices for voltages not greater than 1 kV; Electric circuit switching and protection device packages; Parts of switchgears and regulating electrical equipment;			Actuating current	- 0 A to 30 A
					Actuating voltage	- 0 V to 500 V
					Power voltage	- 0 V to 1000 V
1.87.	GOST R 55190-2022, subclause 8.4.8; Functional tests of systems and structure elements; Functional tests of systems and structure elements	Switchgears and regulating electrical equipment; Electric circuit switching and protection devices for voltages greater than 1 kV; Electric circuit switching and protection devices for voltages not greater than 1 kV; Electric circuit switching and protection device packages;	27.12; 27.12.1; 27.12.2; 27.12.3; 27.12.4	8535; 8537	Interlocking device	Passed/failed -
					Power voltage	- 0 V to 1000 V

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.87.		Parts of switchgears and regulating electrical equipment;			Force	- 0 N to 500 N
					Force	- 0 N to 500 N
1.88.	GOST R 55190-2022, subclause 8.4.9; Functional tests of systems and structure elements; Functional tests of systems and structure elements	Switchgears and regulating electrical equipment; Electric circuit switching and protection devices for voltages greater than 1 kV; Electric circuit switching and protection devices for voltages not greater than 1 kV; Electric circuit switching and protection device packages; Parts of switchgears and regulating electrical equipment;	27.12; 27.12.1; 27.12.2; 27.12.3; 27.12.4	8535; 8537	Fixing device	Passed/failed -
					Force	- 0 N to 500 N
					Force	- 0 N to 500 N

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.89.	GOST R 55190, subclause 8.4.10; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Switchgears and regulating electrical equipment; Electric circuit switching and protection devices for voltages greater than 1 kV; Electric circuit switching and protection devices for voltages not greater than 1 kV; Electric circuit switching and protection device packages; Parts of switchgears and regulating electrical equipment;	27.12; 27.12.1; 27.12.2; 27.12.3; 27.12.4	8535; 8537	Pressure continuity of sliding earthing contacts	Passed/failed -
					DC resistance	- 0 Ω to 1 Ω
					Test current	- 10 A to 100 A
1.90.	GOST R 55190-2022, subclause 8.10.4- 8.10.6; Functional tests of systems and structure elements; Functional tests of systems and structure elements	Switchgears and regulating electrical equipment; Electric circuit switching and protection devices for voltages greater than 1 kV; Electric circuit switching and protection devices for voltages not greater than 1 kV;	27.12; 27.12.1; 27.12.2; 27.12.3; 27.12.4	8535; 8537	Dimensions	- 0 mm to 1000 mm
					Force	- 0 N to 500 N

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.90.		Electric circuit switching and protection device packages; Parts of switchgears and regulating electrical equipment;			Force	- 0 N to 500 N
					Compatibility of identic component parts	Passed/failed -
1.91.	GOST 34839, subclause 9.5.1; Environmental effect testing; high operating ambient temperature testing	Plastic electrically insulating accessories; Plastic electrically insulating accessories;	27.33.14; 27.33.14.000		Resistance to elevated environmental temperature	Passed/failed -
					Temperature	- 0 °C to 85 °C
1.92.	GOST 34839, subclause 9.5.2; Environmental effect testing; low operating ambient temperature testing	Plastic electrically insulating accessories; Plastic electrically insulating accessories;	27.33.14; 27.33.14.000		Low-temperature resistance	Passed/failed -

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.92.					Temperature	- -60 to 0 (°C)
1.93.	GOST 34839, subclause 9.5.3; Environmental effect testing; long-term and accelerated high air humidity testing	Plastic electrically insulating accessories; plastic electrically insulating accessories	27.33.14; 27.33.14.000	-	Resistance to high relative air humidity	Passed/failed -
					Relative humidity	- 60 % to 98 %
1.94.	GOST 20.57.406, subclause 1.45, 1.56, 2.16.3; Environmental effect testing; low operating ambient temperature testing	Switchgears and regulating electrical equipment; Electric circuit switching and protection devices for voltages greater than 1 kV; Electric circuit switching and protection devices for voltages not greater than 1 kV; Electric circuit switching and protection device packages;	27.12; 27.12.1; 27.12.2; 27.12.3; 27.12.4	853590000	Resistance to elevated environmental temperature	Passed/failed -
					Temperature	- 0°C to 85 °C

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.94.		Parts of switchgears and regulating electrical equipment;				
1.95.	GOST 20.57.406, subclause 1.45, 1.56, 2.18; Environmental effect testing; low operating ambient temperature testing	Switchgears and regulating electrical equipment; Electric circuit switching and protection devices for voltages greater than 1 kV; Electric circuit switching and protection devices for voltages not greater than 1 kV; Electric circuit switching and protection device packages; Parts of switchgears and regulating electrical equipment;	27.12; 27.12.1; 27.12.2; 27.12.3; 27.12.4	853590000	Low-temperature resistance	Passed/failed -
					Temperature	- -60 °C to 0 °C
1.96.	GOST 1983, subclause 9.6; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Other transformers of power not greater than 16 kVA;	27.11.42	850431; 8504320002	Alternating current	- 0 kV to 230 kV

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.96.					Angle error (voltage phase angle error)	Passed/failed -600 min to 600 min
					Vector group	Compliant/noncompliant -
					VT voltage scaling factor error	Passed/failed -20 to 20 %
1.97.	GOST 8.216, subclause 10.2, 10.3.1- 10.3.11, 10.3.13.2, 10.13.13.3, 10.3.14; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Other transformers of power not greater than 16 kVA;	27.11.42	850431; 8504320002	Alternating current	- 0 kV to 230 kV
					Angle error (voltage phase angle error)	Passed/failed -600 min to 600 min

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.97.					Vector group	Compliant/noncompliant -
					VT voltage scaling factor error	Passed/failed - 20 % to 20 %

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1. Testings (investigations), production measurement						
1.1.	GOST 1983, subclause 9.6; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Other transformers of power not greater than 16 kVA;	27.11.42	850431; 8504320002	VT voltage scaling factor error	Passed/failed - 20 % to 20 %
					Vector group	Compliant/noncompliant -
					Alternating current	- 0 kV to 230 kV
					Angle error (voltage phase angle error)	Passed/failed - 600 min to 600 min

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.2.	GOST 8.216, subclause 10.2, 10.3.1- 10.3.11, 10.3.13.2, 10.13.13.3, 10.3.14; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Other transformers of power not greater than 16 kVA;	27.11.42	850431; 8504320002	VT voltage scaling factor error	Passed/failed - 20 % to 20 %
					Angle error (voltage phase angle error)	Passed/failed -600 min to 600 min
					Alternating current	- 0 kV to 230 kV
					Vector group	Compliant/noncompliant -
1.3.	GOST 15581, subclause 5.2; Environmental effect testing; hermeticity testing	Electrical capacitors	27.90.5	8532	Hermeticity	Passed/failed -

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.4.	GOST 15581, subclause 5.3, 5.10, 5.12; electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electrical capacitors ;	27.90.5	8532	Capacity	- 20 pF to 106 pF
					Electrical capacity	- 20 pF to 106 pF
1.5.	GOST 15581, subclause 5.4, 5.14, 5.15; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electrical capacitors	27.90.5	8532	Impulse voltage with wave shape 1.2/50 μs	- 0 kV to 2250 kV
					Switching impulse voltage	- 750 kV to 1600 kV
					Alternating current	- 1 kV to 950 kV

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.5.					Insulation strength	Passed/failed -
1.6.	GOST 15581, subclause 5.6, 5.9; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electrical capacitors	27.90.5	8532	Dielectric loss angle tangent	0.01 % to 100 %
1.7.	GOST 15581, subclause 5.7; Non-destructive testing; exterior inspection and measurements	Electrical capacitors	27.90.5	8532	Exterior	Compliant/noncompliant -
					Dimensions	0 mm to 50000 mm
1.8.	GOST 15581, subclause 5.16; Non-destructive testing; exterior inspection and measurements	Electrical capacitors	27.90.5	8532	Mass	0.5 kg to 5000 kg

	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.9.	GOST 15581, subclause 5.18; Environmental effect testing; other environmental effect investigating (testing) methods	Electrical capacitors;	27.90.5	8532	Heat resistance	Passed/failed -
					Temperature	- 0 ˚C to 85 ˚C
1.10.	GOST 15581, subclause 5.19; Environmental effect testing; other environmental effect investigating (testing) methods	Electrical capacitors;	27.90.5	8532	Water proofness	Passed/failed -
					Relative humidity	- 10% to 98 %
					Temperature	- 0 °C to 85 °C

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.11.	GOST 15581, subclause 5.20; Environmental effect testing; other environmental effect investigating (testing) methods	Electrical capacitors ;	27.90.5	8532	Resistance to temperature changes	Passed/failed -
					Temperature	- - 60 °C to +85 ˚C
1.12.	GOST 15581, subclause 5.21; Environmental effect testing; other environmental effect investigating (testing) methods	Electrical capacitors ;	27.90.5	8532	Test voltage	- 1 kV to 230 kV
					Resistance to frost with its subsequent melting	Passed/failed -
					Temperature	- -60 to 85 °C

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.13.	GOST 15581, subclause 5.22; Environmental effect testing; other environmental effect investigating (testing) methods	Electrical capacitors;	27.90.5	8532	Temperature	- -60 ˚C to 85 ˚C
					Cold-resistance (Frost-resistance)	Passed/failed -
1.14.	GOST 8.217, subclause 10.1; Non-destructive testing; exterior inspection and measurements	Electronic transformers;	27.11.4	850431; 8504320002	Visual inspection	Compliant/noncompliant -
1.15.	GOST 8.217, subclause 10.2; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electronic transformers;	27.11.4	850431; 8504320002	Winding insulation resistance	Passed/failed 0 TΩ to 40,0 TΩ
1.16.	GOST 8.217, subclause 10.3, 10.4, 10.5; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electronic transformers;	27.11.4	850431; 8504320002	Absolute angle error	- - 600 min to 600 min

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.16.					Relative current error	- - 20 % to 20 %
					AC current	- 0 A to 12000 A
					Correctness of marking	Compliant/noncompliant -
1.17.	GOST 7746, subclause 9.3; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electronic transformers;	27.11.4	850431; 8504320002	Winding insulation resistance	Passed/failed 0 TΩ to 40,0 TΩ
1.18.	GOST 7746, subclause 9.5; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electronic transformers;	27.11.4	850431; 8504320002	Relative current error	Passed/failed - 20 % to 20 %

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.18.					Absolute angle error	Passed/failed -600 min to 600 min
					Correctness of marking	Compliant/noncompliant -
					AC current	- 0 A to 12000 A
1.19.	GOST IEC 61439-1, subclause 10.5.2; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Switchgears and regulating electrical equipment	27.12	8536; 8537	Test current	- 10 A to 100 A
					Continuity of protective circuit	Passed/failed -

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.19.					Protective circuit resistance	- 10^{-6} Ω to $100*10^{3}$ Ω
1.20.	GOST 8024, subclause 2.1; thermotechnical testings; temperature measurement	Electric circuit switching and protection devices for voltages greater than 1 kV; Electric circuit switching and protection devices for voltages not greater than 1 kV Wiring products; Ceramic electrical insulators; insulating accessories for electric equipment and ceramic devices;	27.12.1; 27.12.2; 27.33. 1; 23.43.1	-	Temperature rise	Calculated rate: -
					Temperature	- - 40 °C to 300 °C
1.21.	GOST 8024, subclause 2.2; thermotechnical testings; temperature measurement	Switchgears and regulating electrical equipment; Electric circuit switching and protection devices for voltages greater than 1 kV; Electric circuit switching and protection devices for voltages not greater than 1 kV;	27.12.1; 27.12.2; 27.12. 3; 23.43.1	-	Ambient air temperature	- - 40°C to 100 °C

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.21.		Electric circuit switching and protection device packages; Ceramic electrical insulators; insulating accessories for electric equipment and ceramic devices;				
1.22.	GOST 8024, subclause 2.3; thermotechnical testings; temperature measurement	Electric circuit switching and protection devices for voltages greater than 1 kV; Electric circuit switching and protection devices for voltages not greater than 1 kV; Electric circuit switching and protection device packages; Wiring products; Ceramic electrical insulators; insulating accessories for electric equipment and ceramic devices;	27.12.1; 27.12.2; 27.12. 3; 27.33.1; 23.43.1	-	Temperature	- - 40 °C to 100 °C
1.23.	GOST 8024, subclause 2.4; thermotechnical testings; temperature measurement	Electric circuit switching and protection devices for voltages greater than 1 kV;	27.12.1; 27.12.2; 27.12. 3; 23.43.1; 27.33.1	-	Temperature	- - 40 °C to 300 °C

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.23.		Electric circuit switching and protection devices for voltages not greater than 1 kV Electric circuit switching and protection device packages; Ceramic electrical insulators; insulating accessories for electric equipment and ceramic devices; Wiring products;				
1.24.	GOST 8024, subclause 2.5; other investigations (testings); methods of other investigations (testings) without specification	Electric circuit switching and protection devices for voltages greater than 1 kV; Electric circuit switching and protection devices for voltages not greater than 1 kV Electric circuit switching and protection device packages; Wiring products; Ceramic electrical insulators; insulating accessories for electric equipment and ceramic devices;	27.12.1; 27.12.2; 27.12. 3; 27.33.1; 23.43.1	-	Winding temperature	Calculated rate: -
					Ambient air temperature	- 0 °C to 100 °C
					Resistance	- 0,000001 Ω to 199,9 Ω

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.24.						
1.25.	GOST 8024, subclause 2.6; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electric circuit switching and protection devices for voltages greater than 1 kV; Electric circuit switching and protection devices for voltages not greater than 1 kV; Electric circuit switching and protection device packages; Wiring products; Ceramic electrical insulators; insulating accessories for electric	27.12.1; 27.12.2; 27.12. 3; 27.33.1; 23.43.1	-	Resistance of the gear main circuit	- 0,000001 Ω to 199,9 Ω
1.26.	IEC 62271-1:2017 ed. 2.1, subclause 7.5; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electric circuit switching and protection devices for voltages greater than 1 kV; Electric circuit switching and protection device packages;	27.12.1; 27.12.3	-	Temperature rise	Calculated rate: -

§§	Documents establishing rules and methods of investigations (testings) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.26.					Resistance of the gear main circuit	- 0,000001 Ω to 1999,9 Ω
					Ambient air temperature	- - 40 °C to 100 °C
					Test current	- 0 to 30000 A
					Temperature	- 0°C to 300 °C
1.27.	IEC/IEEE 62271-37-013:2021, subclause 7.5; Electrophysical investigations (testings); electrophysical investigation (testing) methods without specification	Electric circuit switching and protection devices for voltages greater than 1 kV; Electric circuit switching and protection device packages;	27.12.1; 27.12.3	-	Temperature rise	Calculated rate: -

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.27.					Ambient air temperature	- -40 °C to 100 °C
					Temperature	- 0 °C to 300 °C
					Test current	- 0.5 A to 30000 A
					Resistance of the gear main circuit	- 0.000001 Ω to 1999.9 Ω
1.28.	GOST IEC 61439-1, subclause 10.10; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electric circuit switchgear or protection devices for voltages not greater than 1 kV; Panels and other electrical switchgear or protective equipment packages for voltages not greater than 1 kV;	27.12.2;27.12.31		Temperature rise	Calculated rate: -

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.28.					Ambient air temperature	- -40 °C to 100 °C
					Temperature	- 0 °C to 300 °C
					Test current	- 0.5 A to 30000 A
1.29.	GOST 14694, clause 3; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electric circuit switchgear or protection devices for voltages greater than 1 kV; Electrical switchgear or protective equipment packages;	27.12.1;27.12.3		Temperature rise	Calculated rate: -
					Ambient air temperature	- -40 °C to 100 °C

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.29.					Temperature	- 0 ºC to 300 ºC
					Test current	- 0.5 A to 30000 A
1.30.	GOST R 55190, subclause 8.3.1; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electric circuit switchgear or protection devices for voltages greater than 1 kV; Electrical switchgear or protective equipment packages;	27.12.1;27.12.3		Temperature rise	Calculated rate: -
					Ambient air temperature	- -40 ºC to 100 ºC
					Temperature	- 0 ºC to 300 ºC

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.30.					Test current	- 0.5 A to 3000 A
1.31.	GOST R 55187, subclause 9.17; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Ceramic electric insulators; Insulating accessories for electrical equipment and ceramic devices; Electric insulators; Other technical-purpose vulcanized rubber products not elsewhere classified;	23.43.10.110;23.43.10.120;27.90.12.110;22.19.73.119		Temperature rise	Calculated rate: -
					Ambient air temperature	- -40 ºC to 100 ºC
					Temperature	- 0 ºC to 300 ºC
					Test current	- 0.5 A to 30000 A

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.32.	GOST R 55190, subclause 8.2.1 (visually); Non-destructive testing; other methods of non-destructive testing	Switchgear and regulating electrical equipment; Electric circuit switchgear or protection devices for voltages greater than 1 kV; Electric circuit switchgear or protection devices for voltages not greater than 1 kV; Electrical switchgear or protective equipment packages; Sections of electrical switchgear or regulating equipment;	27.12;27.12.1;27.12.2; 27.12.3;27.12.4		Exterior	Compliant/noncompliant -
					Protective coating condition	Passed/failed -
					Correctness of marking	Passed/failed -
1.33.	GOST R 55190, subclause 8.2.1 (using multipurpose instrument); Non-destructive testing; other methods of non-destructive testing	Switchgear and regulating electrical equipment; Electric circuit switchgear or protection devices for voltages greater than 1 kV; Electric circuit switchgear or protection devices for voltages not greater than 1 kV;	27.12;27.12.1;27.12.2; 27.12.3;27.12.4;27.90.5	8532	Overall and connecting dimensions	- 0 mm to 10000 mm

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.33.		Electrical switchgear or protective equipment packages; Sections of electrical switchgear or regulating equipment; Electric capacitors;				
1.34.	GOST R 55190, subclause 8.2.1 (using general-purpose balance); Non-destructive testing; other methods of non-destructive testing	Switchgear and regulating electrical equipment; Electric circuit switchgear or protection devices for voltages greater than 1 kV; Electric circuit switchgear or protection devices for voltages not greater than 1 kV; Electrical switchgear or protective equipment packages; Sections of electrical switchgear or regulating equipment; Electric capacitors;	27.12;27.12.1;27.12.2; 27.12.3;27.12.4;27.90.5	8532	Mass	- 0 kg to 5000 kg

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.36.		Electrical switchgear or protective equipment packages; Sections of electrical switchgear or regulating equipment;			Force	- 0 N to 500 N
					Operation	Passed/failed -
1.37.	GOST R 55190, subclause 8.4.5.1; Physical and mechanical; measurement of physical quantities	Switchgear and regulating electrical equipment; Electric circuit switchgear or protection devices for voltages greater than 1 kV; Electric circuit switchgear or protection devices for voltages not greater than 1 kV; Electrical switchgear or protective equipment packages; Sections of electrical switchgear or regulating equipment;	27.12;27.12.1;27.12.2; 27.12.3;27.12.4		Closing time	- 0 s to 100 s
					Opening time	- 0 s to 100 s

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.38.	GOST R 55190, subclauses 8.4.6.1, 8.4.6.2, 8.4.6.4-8.4.6.8, 8.4.6.10; Environmental effect testing; other methods of environmental effect investigation (testing)	Switchgear and regulating electrical equipment; Electric circuit switchgear or protection devices for voltages greater than 1 kV; Electric circuit switchgear or protection devices for voltages not greater than 1 kV; Electrical switchgear or protective equipment packages; Sections of electrical switchgear or regulating equipment;	27.12;27.12.1;27.12.2; 27.12.3;27.12.4		Mechanical strength	Passed/failed -
					Power supply voltage	- 0 V to 1000 V
1.39.	GOST R 55190, subclause 8.4.8; Environmental effect testing; other methods of environmental effect investigation (testing)	Switchgear and regulating electrical equipment; Electric circuit switchgear or protection devices for voltages greater than 1 kV; Electric circuit switchgear or protection devices for voltages not greater than 1 kV;	27.12;27.12.1;27.12.2; 27.12.3;27.12.4		Operation of locking devices	Passed/failed -
					Force	- 0 N to 500 N

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.39.		Electrical switchgear or protective equipment packages; Sections of electrical switchgear or regulating equipment;			Force	- 0 N to 500 N
					Power supply voltage	- 0 V to 1000 V
1.40.	GOST R 55190, subclause 8.4.9; Environmental effect testing; other methods of environmental effect investigation (testing)	Switchgear and regulating electrical equipment; Electric circuit switchgear or protection devices for voltages greater than 1 kV; Electric circuit switchgear or protection devices for voltages not greater than 1 kV; Electrical switchgear or protective equipment packages; Sections of electrical switchgear or regulating equipment;	27.12;27.12.1;27.12.2; 27.12.3;27.12.4		Operation of fixing devices	Passed/failed -
					Force	- 0 N to 500 N
					Force	- 0 N to 500 N

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.41.	GOST R 55190, subclause 8.4.10; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Switchgear and regulating electrical equipment; Electric circuit switchgear or protection devices for voltages greater than 1 kV; Electric circuit switchgear or protection devices for voltages not greater than 1 kV; Electrical switchgear or protective equipment packages; Sections of electrical switchgear or regulating equipment;	27.12;27.12.1;27.12.2; 27.12.3;27.12.4		Pressure continuity of sliding earthing contacts	Passed/failed -
					Protective circuit efficiency	Passed/failed -
					Resistance	- 0 Ω to 10 Ω
1.42.	GOST R 55190, subclauses 8.10.4- 8.10.6; Functional testing of systems and structural elements; functional testing of systems and structural elements	Switchgear and regulating electrical equipment; Electric circuit switchgear or protection devices for voltages greater than 1 kV; Electric circuit switchgear or protection devices for voltages not greater than 1 kV;	27.12;27.12.1;27.12.2; 27.12.3;27.12.4		Dimensions	- 0 mm to 1000 mm
					Compatibility testing of identic withdrawable parts	Passed/failed -

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.42.		Electrical switchgear or protective equipment packages; Sections of electrical switchgear or regulating equipment;			Force	- 0 N to 500 N
					Force	- 0 N to 500 N
1.43.	GOST 34839, subclause 9.5.1; Environmental effect testing; elevated operating environmental temperature testing	Plastic electrically insulating accessories; Plastic electrically insulating accessories;	27.33.14;27.33.14.000		Resistance to elevated environmental temperature	Passed/failed -
					Temperature	- 0 °C to 130 °C
1.44.	GOST 34839, subclause 9.5.2; Environmental effect testing; low operating environmental temperature testing	Plastic electrically insulating accessories; Plastic electrically insulating accessories;	27.33.14;27.33.14.000		Low-temperature resistance	Passed/failed -

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.44.					Temperature	- -75 ºC to 0 ºC
1.45.	GOST 34839, subclause 9.5.3; Environmental effect testing; long-term and accelerated high air humidity testing	Plastic electrically insulating accessories; Plastic electrically insulating accessories;	27.33.14;27.33.14.000		Resistance to high relative air humidity	Passed/failed -
					Relative humidity	- 60 % to 98 %
1.46.	GOST 20.57.406, subclauses 1.45, 1.56, 2.16.3; Environmental effect testing; low operating environmental temperature testing	Switchgear and regulating electrical equipment; Electric circuit switchgear or protection devices for voltages greater than 1 kV; Electric circuit switchgear or protection devices for voltages not greater than 1 kV; Electrical switchgear or protective equipment packages;	27.12;27.12.1;27.12.2; 27.12.3;27.12.4	853590000	Temperature	- 0 ºC to 130 ºC
					Resistance to elevated environmental temperature	Passed/failed -

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.46.		Sections of electrical switchgear or regulating equipment;				
1.47.	GOST 20.57.406, subclauses 1.45, 1.56, 2.18; Environmental effect testing; low operating environmental temperature testing	Switchgear and regulating electrical equipment; Electric circuit switchgear or protection devices for voltages greater than 1 kV; Electric circuit switchgear or protection devices for voltages not greater than 1 kV; Electrical switchgear or protective equipment packages; Sections of electrical switchgear or regulating equipment;	27.12;27.12.1;27.12.2; 27.12.3;27.12.4	853590000	Low-temperature resistance	Passed/failed -
					Temperature	- -75 °C to 0 °C
1.48.	GOST R 52565, subclauses 9.10.2.1, 9.10.2.3, 9.10.5; Environmental effect testing; other methods of environmental effect investigation (testing)	AC high-voltage circuit-breakers, contactors and reversers (high-voltage power circuit-breakers); Power circuit-breakers;	27.12.10.110	8535	Temperature	- 0 °C to 130 °C

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.48.					Resistance to operating temperature upper value	Passed/failed -
1.49.	GOST R 52565, subclauses 9.10.2.1, 9.10.2.2, 9.10.4; Environmental effect testing; other methods of environmental effect investigation (testing)	AC high-voltage circuit-breakers, contactors and reversers (high-voltage power circuit-breakers); Power circuit-breakers;	27.12.10.110	8535	Temperature	- -75 °C to 0 °C
					Resistance to operating temperature lower value	Passed/failed -

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1. Products testing (investigation) and measurements						
1.1.	GOST 3484.1, clause 2; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electrical transformers; Power transformers;	27.11.4	8504210000;8504221000; 8504229000;850423000; 850431;850432000; 850433000;8504340000	Transformation ratio	Calculated rate: -
					Alternating voltage	- 0 kV to 1100 kV
1.2.	GOST 3484.1, subclauses 5.1,5.2; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Power transformers; Electrical transformers;	27.11.4	8504210000;8504221000; 8504229000;850423000; 850431800;850432000; 850433000;8504340000	Short circuit voltage	- 0 kV to 100 kV
					Alternating voltage	- 0 kV to 100 kV
					Electrical DC resistance	- 10^{-6} Ω to 10^{5} Ω

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.2.					Air temperature	- 0 ºC to 300 ºC
					Alternating current	- 0 A to 6000 A
					Short-circuit losses	- 0 MW to 2 MW
1.3.	GOST 3484.1, subclause 5.3 (calculation); Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Power transformers; Electrical transformers;	27.11.4	8504210000;8504221000; 8504229000;850423000; 850431800;850432000; 850433000;8504340000	Short circuit voltage in percentage terms	Calculated rate: -
					Alternating voltage	- 0 kV to 100 kV

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.3.					Alternating current	- 0 A to 6000 A
					Short-circuit losses	- 0 MW to 2 MW
					Short-circuit losses normalized to calculated temperature	Calculated rate: -
					Air temperature	- 0 ºC to 300 ºC
					Electrical DC resistance	- 10^{-6} Ω to 10^{5} Ω

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.3.					Short circuit voltage	- 0 kV to 100 kV
1.4.	GOST 3484.1, clause 6; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electrical transformers; Power transformers;	27.11.4	8504210000;8504221000; 8504229000;850423000; 850431;850432000; 850433000;8504340000	No-load current	Calculated rate: -
					No-load losses	Calculated rate: - -
					Alternating current	- 0 A to 6000 A
					Alternating voltage	- 0 kV to 100 kV

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.4.					Active power	- 0 kW to 2000 kW
1.5.	GOST 3484.3, subclauses 4.1, 5.1; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electrical transformers; Power transformers;	27.11.4	8504210000;8504221000; 8504229000;850423000; 850431;850432000; 850433000;8504340000	Absorption coefficient	Calculated rate: -
					Insulation resistance	- 0 TΩ to 40.0 TΩ
					Time	- 1 s to 60 s
1.6.	GOST 34839, subclause 9.2.1; Non-destructive testing; exterior inspection and measurements	Plastic electrically insulating accessories;	27.33.14	853590000	Structure	Compliant/noncompliant -

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.6.					Completeness	Compliant/noncompliant -
					Mass	- 0 kg to 50 kg
1.7.	GOST 34839, subclause 9.2.2; Non-destructive testing; exterior inspection and measurements	Plastic electrically insulating accessories;	27.33.14	853590000	Dimensions	Compliant/noncompliant 0 mm to 1000 mm
1.8.	GOST 34839, subclause 9.2.4; Non-destructive testing; exterior inspection and measurements	Plastic electrically insulating accessories;	27.33.14	853590000	Mark permanency	Negative/positive -
1.9.	GOST 34839, subclauses 9.1.2, 9.2.3, 9.2.5; Non-destructive testing; exterior inspection and measurements	Plastic electrically insulating accessories;	27.33.14	853590000	Exterior	Compliant/noncompliant -

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.9.					Markimg	Compliant/noncompliant -
1.10.	GOST 28114, clauses 3-5; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Plastic electrically insulating accessories; Other electrical conductors for voltages not greater than 1 kV; Other electrical conductors for voltages greater than 1 kV;	27.33.14.000;27.32.13; 27.32.14	853590000;854460	Partial discharge	Satisfactory/unsatisfactory 1 pC to 10000 pC
1.11.	4221-001-75617971-2007 RE, clause 4; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electromotors, generators, and transformers; Switchgear and regulating electrical equipment; Other electronic and electric leads and cables; Wiring products; Other electrical equipment;	27.11;27.12;27.32;27.33; 27.90	8504;8535;8536;8546	Dielectric loss angle tangent	- 0.01 % to 100 %
					Electric capacity	- 20 pF to $1*10^6$ pF

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.12.	GOST IEC 60898-1, subclause 9.7.2; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	AC high-voltage circuit-breakers, contactors and reversers (high-voltage power circuit-breakers);	27.12.10.110	8535	Main circuit insulation resistance	Passed/failed 0 TΩ to 40.0 TΩ
1.13.	GOST 1983, subclause 9.3; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Other transformers of power not greater than 16 kVA; Voltage transformers;	27.11.42	850431;8504320002	Winding insulation resistance	- 0 TΩ to 40.0 TΩ
1.14.	GOST 20248, clause 9; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electrical switchgear or protective equipment packages;	27.12.3	853720	Insulation resistance	Sufficient/insufficient 0 TΩ to 40.0 TΩ
1.15.	GOST R 55187, subclause 9.2; Environmental effect testing; Hermeticity test	Ceramic electric insulators; Insulating accessories for electrical equipment and ceramic devices; Electric insulators;	23.43.10;27.90.12.110; 22.19.73	8546200000;8546901000	Hermeticity	Passed/failed -

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.15.		Other vulcanized rubber products not elsewhere classified; Hard rubber in all forms and products thereof; Porous vulcanized rubber flooring and matting;			Test pressure	- 0 bar to 5 bar
1.16.	GOST R 55187, subclause 9.4; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Ceramic electric insulators; Insulating accessories for electrical equipment and ceramic devices; Electric insulators; Other vulcanized rubber products not elsewhere classified; Hard rubber in all forms and products thereof; Porous vulcanized rubber flooring and matting;	23.43.10;27.90.12.110; 22.19.73	8546200000;8546901000	Insulation resistance	Satisfactory/unsatisfactory 0 TΩ to 40 TΩ
1.17.	GOST R 55187, subclause 9.16; Environmental effect testing; Hermeticity test	Ceramic electric insulators; Insulating accessories for electrical equipment and ceramic devices; Electric insulators;	23.43.10;27.90.12.110; 22.19.73	8546200000;8546901000	Hermeticity	Passed/failed -

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.17.		Other vulcanized rubber products not elsewhere classified; Hard rubber in all forms and products thereof; Porous vulcanized rubber flooring and matting;			Test pressure	- 0 bar to 5 bar
1.18.	IEC 60137(2008), ed 6.0 subclauses 8.10. 9.7; Environmental effect testing; Hermeticity test	Ceramic electric insulators; Insulating accessories for electrical equipment and ceramic devices; Electric insulators; Other vulcanized rubber products not elsewhere classified; Hard rubber in all forms and products thereof; Porous vulcanized rubber flooring and matting;	23.43.10;27.90.12.110; 22.19.73	8546200000;8546901000	Hermeticity	Passed/failed -
					Test pressure	- 0 bar to 5 bar
1.19.	IEC 60137(2008), ed 6.0 subclause 9.9; Environmental effect testing; Hermeticity test	Ceramic electric insulators; Insulating accessories for electrical equipment and ceramic devices; Electric insulators;	23.43.10;27.90.12.110; 22.19.73	8546200000;8546901000	Hermeticity	Passed/failed -

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.19.		Other vulcanized rubber products not elsewhere classified; Hard rubber in all forms and products thereof; Porous vulcanized rubber flooring and matting;			Test pressure	- 0 bar to 5 bar
1.20.	GOST 31996, subclause 8.3.1; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Other electrical conductors for voltages not greater than 1 kV; Other electrical conductors for voltages greater than 1 kV;	27.32.13;27.32.14	854460	Electrical resistance of power core	- 10^{-6} Ω to $10*10^{3}$ Ω
1.21.	GOST 31996, subclauses 8.3.2, 8.3.3; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Other electrical conductors for voltages not greater than 1 kV; Other electrical conductors for voltages greater than 1 kV;	27.32.13;27.32.14	854460	Specific insulation resistance	Calculated rate: -
					Electrical insulation resistance	- 0 TΩ to 40.0 TΩ

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.21.					Outer diameter of insulated core	- 0.1 mm to 1000 mm
					Length	- 1 m to 100 m
					Power core diameter	- 0.1 mm to 1000 mm
1.22.	GOST 3345, clauses 2, 3, 4; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Other electronic and electric leads and cables;	27.32.1	854460	Electrical insulation resistance	- 0 TΩ to 40.0 TΩ
1.23.	GOST 20493, subclause 8.8; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electric insulators; Insulating accessories for electrical machines and equipment; Electric pipes;	27.90.12	8535900008	Electrical insulation resistance	- 0 TΩ to 40.0 TΩ

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.24.	GOST R IEC 60230, clauses 6, 10; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Other electrical conductors for voltages greater than 1 kV;	27.32.14	854460	Insulation strength	Passed/failed -
					Test lightning impulse voltage	- 3 kV to 2250 kV
1.25.	GOST R 55716, subclause 6.5; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	AC high-voltage circuit-breakers, contactors and reversers (high-voltage power circuit-breakers); AC high-voltage disconnecting switches, short-circuiting switches, isolating switches, earthing switches;	27.12.10.110;27.12.10.120	8535	Equipment elements heating	Passed/failed -
					Temperature rise	Calculated rate: -
					Temperature	- 0 °C to 300 °C

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.26.	GOST 9920-89 (CMEA standard 646588, IEC 815-86, IEC 694-80), subclause 2.2; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electromotors, generators, and transformers; Switchgear and regulating electrical equipment; Other electronic and electric leads and cables; Other electrical equipment;	27.11;27.12;27.32;27.90	8504;8535;8536;8546	Leakage path length for external insulation surface	- 0 mm to 50000 mm
1.27.	GOST 2990, subclauses 4.1, 4.4.1; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Other electrical conductors for voltages not greater than 1 kV;	27.32.13	854442;854449	Insulation strength	Passed/failed -
					DC voltage	- 1 kV to 70 kV
1.28.	GOST R 70507.1, subclause 9.1; Non-destructive testing; exterior inspection and measurements	Electrical transformers; Other transformers of power not greater than 16 kVA;	27.11.4;27.11.42	850431;8504320002	Dimensions	- 0 mm to 15000 mm

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.28.					Completeness	Compliant/noncompliant -
					Marking and branding	Compliant/noncompliant -
					Mass	- 0 kg to 5000 kg
					Verification of nameplate data compliance to the specified requirements	Compliant/noncompliant -
					Protective coating condition	Compliant/noncompliant -

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.28.					Surface condition	Compliant/noncompliant -
1.29.	GOST R 70507.1, subclauses 9.2.10, 9.2.11; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electrical transformers; Other transformers of power not greater than 16 kVA;	27.11.4;27.11.42	850431;8504320002	Power-frequency voltage	- 1 kV to 950 kV
					Insulation strength	Passed/failed -
1.30.	GOST R 70507.1, subclause 9.2.4; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electrical transformers; Other transformers of power not greater than 16 kVA;	27.11.4;27.11.42	850431;8504320002	Winding insulation resistance	Passed/failed 0 TΩ to 40 TΩ
1.31.	GOST R 70507.1, subclause 9.2.6; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electrical transformers; Other transformers of power not greater than 16 kVA;	27.11.4;27.11.42	850431;8504320002	Partial discharge	Passed/failed 1 pC to 100000 pC

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.32.	GOST R 70507.1, subclause 9.3; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electrical transformers; Other transformers of power not greater than 16 kVA;	27.11.4;27.11.42	850431;8504320002	Power-frequency voltage	- 1 kV to 500 kV
					Radio interference	Passed/failed 10 dB to 100 dB
1.33.	GOST R 70507.1, subclause 9.4; Environmental effect testing; other methods of environmental effect investigation (testing)	Electrical transformers; Other transformers of power not greater than 16 kVA;	27.11.4;27.11.42	850431;8504320002	Gas concentration	- 0 ppm to 1000 ppm
					Gas leakage rate	Calculated rate: -
					Dimensions	- 0 mm to 15000 mm

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.34.	GOST R 70507.1, subclause 9.5; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electrical transformers; Other transformers of power not greater than 16 kVA; Voltage transformers; Current transformers;	27.11.4;27.11.42	8504210000;8504221000; 8504229000;850423000; 850431;850432000; 850433000;8504340000; 8504320002	DC winding resistance	- 10^{-6} Ω to $100*10^{3}$ Ω
1.35.	GOST R 70507.2, subclause 9.5.1; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electrical transformers; Current transfromers;	27.11.4	8504210000;8504221000; 8504229000;850423000; 850431;850432000; 850433000;8504340000	DC winding resistance	- 10^{-6} Ω to $100*10^{3}$ Ω
1.36.	GOST R 70507.2, subclause 9.15; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electrical transformers; Current transfromers;	27.11.4	8504210000;8504221000; 8504229000;850423000; 850431;850432000; 850433000;8504340000	Test current	- 0 A to 6000 A
					Relative current error	- -20 % to 20 %

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.36.					Absolute angle error	- -600 min to 600 min
1.37.	GOST R 70507.2, subclause 9.17; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electrical transformers; Current transfromers;	27.11.4	8504210000;8504221000; 8504229000;850423000; 850431;850432000; 850433000;8504340000	Exciting voltage	- 0 V to 2000 V
					Exciting current	- 0 A to 100 A
1.38.	GOST 2933, subclauses 2.1-2.7; Non-destructive testing; exterior inspection and measurements	Electric circuit switchgear or protection devices for voltages not greater than 1 kV;	27.12.2	8536	Interchangeability of parts	Compliant/noncompliant -
					Exterior	Compliant/noncompliant -

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.38.					Dimensions	- 0 mm to 15000 mm
					Completeness	Compliant/noncompliant -
					Marking and branding	confirmed/not confirmed
					Mass	- 0 kg to 5000 kg
1.39.	GOST 2933, subclause 2.12; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electric circuit switchgear or protection devices for voltages not greater than 1 kV;	27.12.2	8536	Actuating voltage	- 0 V to 500 V

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.39.					Actuation	Passed/failed -
					Actuating current	- 0 A to 30 A
1.40.	GOST 2933, subclauses 3.1-3.11; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electric circuit switchgear or protection devices for voltages not greater than 1 kV;	27.12.2	8536	Insulation strength	Passed/failed -
					One-minute AC test voltage	- 0 kV to 10 kV
					Test lightning impulse voltage	- 0 kV to 20 kV

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.41.	GOST 2933, subclause 3.12; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electric circuit switchgear or protection devices for voltages not greater than 1 kV;	27.12.2	8536	Electrical insulation resistance	Passed/failed 0 TΩ to 40 TΩ
1.42.	GOST 2933, clause 5; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electric circuit switchgear or protection devices for voltages not greater than 1 kV;	27.12.2	8536	Consumed power	- 0 kW to 100 kW
					Electrical resistance	- 10^{-6} Ω to $100*10^{3}$ Ω
					Circuital current	- $0.1*10^{-3}$ A to 600 A
					Voltage drop	- 0 V to 1000 V

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.43.	GOST 2933, subclauses 8.1-8.4; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electric circuit switchgear or protection devices for voltages not greater than 1 kV;	27.12.2	8536	Number of cycles	- 1 cycle to 100000 cycles
					Switching wear-resistance	Passed/failed -
					Mechanical wear-resistance	Passed/failed -
					Alternating current	- 0 kA to 25 kA
1.44.	GOST R 52034, subclause 8.1.2; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Ceramic electric insulators; Insulating accessories for electrical equipment and ceramic devices; Electric insulators;	23.43.10;27.90.12.110	8546200000	Breakdown voltage at 50 Hz	- 0 kV to 500 kV

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.45.	GOST R 52034, subclauses 8.7.1, 8.7.4; Non-destructive testing; exterior inspection and measurements	Ceramic electric insulators; Insulating accessories for electrical equipment and ceramic devices; Electric insulators;	23.43.10;27.90.12.110	8546200000	Dimensions	Passed/failed 0 mm to 20000 mm
1.46.	GOST R 52034, subclauses 8.7.2, 8.7.4; Non-destructive testing; exterior inspection and measurements	Ceramic electric insulators; Insulating accessories for electrical equipment and ceramic devices; Electric insulators;	23.43.10;27.90.12.110	8535900001;8546901000	Flange face surfaces parallelism	Passed/failed 0 mm to 10 mm
					Flange face surfaces eccentricity	Calculated rate: Passed/failed -
					Vertical axis deviation (verticality)	- 0 mm to 10 mm
1.47.	GOST R 52034, subclauses 8.7.3, 8.7.4; Non-destructive testing; exterior inspection and measurements	Ceramic electric insulators; Insulating accessories for electrical equipment and ceramic devices; Electric insulators;	23.43.10;27.90.12.110	8535900001;8546901000	Leakage path length	Passed/failed 0 mm to 50000 mm

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.48.	GOST R 52034, subclause 8.7.4; Non-destructive testing; exterior inspection and measurements	Ceramic electric insulators; Insulating accessories for electrical equipment and ceramic devices; Electric insulators;	23.43.10;27.90.12.110	8535900001;8546901000	Mass	Passed/failed 0 kg to 5000 kg
1.49.	GOST R 52082, subclauses 8.1.1, 8.1.2, 8.1.3, 8.1.4, 8.1.5; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electric insulators; Other vulcanized rubber products not elsewhere classified; Hard rubber in all forms and products thereof; Porous vulcanized rubber flooring and matting;	27.90.12.110;22.19.73	8546901000	Insulation strength	Passed/failed -
					Test lightning impulse voltage	- 0 kV to 2250 kV
					One-minute AC test voltage	- 1 kV to 950 kV
1.50.	GOST R 52082, subclauses 8.1.1, 8.1.7; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electric insulators; Other vulcanized rubber products not elsewhere classified; Hard rubber in all forms and products thereof;	27.90.12.110;22.19.73	8546901000	Protected against steep impulse voltage breakdown	Passed/failed -

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.50.		Porous vulcanized rubber flooring and matting;			Steepness (rate of voltage rise)	Calculated rate: - 500 kV/μs to 2500 kV/μs
					Predischarge time of impulse	- 0.5 μs to 6 μs
					Lightning impulse voltage	- 0 kV to 2250 kV
1.51.	GOST R 52082, subclause 8.1.11; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electric insulators; Other vulcanized rubber products not elsewhere classified; Hard rubber in all forms and products thereof; Porous vulcanized rubber flooring and matting;	27.90.12.110;22.19.73	8546901000	Breakdown voltage at 50 Hz	- 0 kV to 500 kV

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.52.	GOST R 52082, subclause 8.1.12; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electric insulators; Other vulcanized rubber products not elsewhere classified; Hard rubber in all forms and products thereof; Porous vulcanized rubber flooring and matting;	27.90.12.110;22.19.73	8546901000	Partial discharge	Passed/failed 1 pC to 10000 pC
1.53.	GOST R 52082, subclauses 8.2.1-8.2.4, 8.2.6-8.2.9; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electric insulators; Other vulcanized rubber products not elsewhere classified; Hard rubber in all forms and products thereof; Porous vulcanized rubber flooring and matting;	27.90.12.110;22.19.73	8546901000	Tracking erosion resistance	Passed/failed -
					Alternating voltage	- 10 kV to 80 kV
1.54.	GOST R 52082, subclause 8.3; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electric insulators; Other vulcanized rubber products not elsewhere classified; Hard rubber in all forms and products thereof; Porous vulcanized rubber flooring and matting;	27.90.12.110;22.19.73	8546901000	Radio interference	Passed/failed 10 dB to 100 dB

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.54.						
1.55.	GOST R 52082, subclausesubclause 8.8.1, 8.8.5; Non-destructive testing; exterior inspection and measurements	Electric insulators; Other vulcanized rubber products not elsewhere classified; Hard rubber in all forms and products thereof; Porous vulcanized rubber flooring and matting;	27.90.12.110;22.19.73	8535900001;8546901000	Dimensions	Passed/failed 0 mm to 50000 mm
1.56.	GOST R 52082, subclauses 8.8.2, 8.8.5; Non-destructive testing; exterior inspection and measurements	Electric insulators; Other vulcanized rubber products not elsewhere classified; Hard rubber in all forms and products thereof; Porous vulcanized rubber flooring and matting;	27.90.12.110;22.19.73	8535900001;8546901000	Flange face surfaces parallelism	Passed/failed 0 mm to 10 mm
					Flange face surfaces eccentricity	Calculated rate: Passed/failed -

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.56.					Vertical axis deviation (verticality)	- 0 mm to 10 mm
1.57.	GOST R 52082, subclauses 8.8.3, 8.8.5; Non-destructive testing; exterior inspection and measurements	Electric insulators; Other vulcanized rubber products not elsewhere classified; Hard rubber in all forms and products thereof; Porous vulcanized rubber flooring and matting;	27.90.12.110;22.19.73	8535900001;8546901000	Leakage path length	Passed/failed 0 mm to 50000 mm
1.58.	GOST R 52082, subclauses 8.8.4, 8.8.5; Non-destructive testing; exterior inspection and measurements	Electric insulators; Other vulcanized rubber products not elsewhere classified; Hard rubber in all forms and products thereof; Porous vulcanized rubber flooring and matting;	27.90.12.110;22.19.73	8535900001;8546901000	Mass	Passed/failed 0.5 kg to 5000 kg

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.59.	GOST R 52082, subclause 8.9.1, Appendix B.1; Environmental effect testing; other methods of environmental effect investigation (testing)	Electric insulators; Other vulcanized rubber products not elsewhere classified; Hard rubber in all forms and products thereof; Porous vulcanized rubber flooring and matting;	27.90.12.110;22.19.73	8546901000	Water repellence class	- 1 to 7
1.60.	GOST R 52082, subclause 8.9.2; Non-destructive testing; exterior inspection and measurements	Electric insulators; Other vulcanized rubber products not elsewhere classified; Hard rubber in all forms and products thereof; Porous vulcanized rubber flooring and matting;	27.90.12.110;22.19.73	8546901000	Integrity and correctness of marking	Passed/failed -
					Protective enclosure design	Passed/failed -
					Protective enclosure surface quality	Passed/failed -

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.60.					Corrosion-protective coating quality	Passed/failed -
1.61.	GOST R 52082, subclause 8.9.3; Non-destructive testing; exterior inspection and measurements	Electric insulators; Other vulcanized rubber products not elsewhere classified; Hard rubber in all forms and products thereof; Porous vulcanized rubber flooring and matting;	27.90.12.110;22.19.73	8546901000	Quality of connection between accessories and insulation part	Passed/failed 0 mm to 10000 mm
1.62.	GOST R 52082, subclause 8.9.4; Non-destructive testing; exterior inspection and measurements	Electric insulators; Other vulcanized rubber products not elsewhere classified; Hard rubber in all forms and products thereof; Porous vulcanized rubber flooring and matting;	27.90.12.110;22.19.73	8546901000	Corrosion-protective coating quality	Passed/failed -
					Protective coating thickness	Passed/failed 5 μm to 3000 μm

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.63.	GOST R 52082, subclause 8.9.5; Physical and mechanical; other investigation (testing) methods to determine physical and mechanical characteristics	Electric insulators; Other vulcanized rubber products not elsewhere classified; Hard rubber in all forms and products thereof; Porous vulcanized rubber flooring and matting;	27.90.12.110;22.19.73	8546901000	Protective coating adhesion	Passed/failed -
					Dimensions	- 0 mm to 1000 mm
					Tearing force	- 0 kN to 2 kN
					Shear force	- 0 kN to 2 kN
1.64.	GOST R 52082, subclause 8.9.7; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electric insulators;	27.90.12.110	8535900001;8546901000	Water diffusion	Passed/failed -

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.64.					Test voltage	0 kV to 50 kV
1.65.	GOST 8.217, subclause 10.1; Non-destructive testing; exterior inspection and measurements	Electrical transformers;	27.11.4	850431;8504320002	Identification and marking	Compliant/noncompliant -
					Exterior (description)	Compliant/noncompliant -
1.66.	GOST 8.217, subclause 10.2; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electrical transformers;	27.11.4	850431;8504320002	Winding insulation resistance	Passed/failed 0 TΩ to 40.0 TΩ
1.67.	GOST 8.217, subclauses 10.3, 10.4, 10.5; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electrical transformers;	27.11.4	850431;8504320002	Alternating current	0 A to 6000 A

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.67.					Absolute angle error	- -600 min to 600 min
					Relative current error	- -20 % to 20 %
					Correctness of marking	Compliant/noncompliant -
					Angle error (voltage phase angle error)	Compliant/noncompliant -
1.68.	GOST 7746, subclause 9.3; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electrical transformers;	27.11.4	850431;8504320002	Winding insulation resistance	Passed/failed 0 TΩ to 40.0 TΩ

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.69.	GOST 7746, subclause 9.5; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electrical transformers;	27.11.4	850431;8504320002	Alternating current	- 0 A to 6000 A
					Angle error (voltage phase angle error)	Compliant/noncompliant -
					Correctness of marking	Compliant/noncompliant -
					Relative current error	- -20 % to 20 %
					Absolute angle error	- -600 min to 600 min

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.70.	GOST IEC 61439-1, subclause 10.5.2; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Switchgear and regulating electrical equipment;	27.12	8536;8537	Test current	- 10 A to 100 A
					Protective circuit continuity	Passed/failed -
					Protective circuit resistance	- 10^{-6} Ω to $100*10^{3}$ Ω
1.71.	GOST R 55195, subclauses 8.1.4, 8.3.2; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Switchgear and regulating electrical equipment; Other electrical equipment; Electric circuit switchgear or protection devices for voltages greater than 1 kV;	27.12;27.90;27.12.1	8537	Insulation strength	Passed/failed -

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.72.	GOST 22756, subclause 3.1; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electrical transformers;	27.11.4	8504210000;8504221000; 8504229000;850423000; 850431;850432000; 850433000;8504340000	Insulation strength	Passed/failed -
1.73.	IEC 60076-1(2011), subclause 11.3; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electrical transformers;	27.11.4	8504210000;8504221000; 8504229000;850423000; 850431;850432000; 850433000;8504340000	Vector group	Calculated rate: - 0 kV to 1100 kV 0 degrees to 360 degrees
					Transformation ratio	- 0.1 a.u. to 9999 a.u.
					Alternating voltage	- 0 kV to 1100 kV
1.74.	IEC 60076-1(2011), subclause 11.4; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electrical transformers;	27.11.4	8504210000;8504221000; 8504229000;850423000; 850431;850432000; 850433000;8504340000	Air temperature	- 0 °C to 300 °C

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.74.					Alternating current	- 0 A to 6000 A
					Short circuit voltage	Calculated rate: -
					Short-circuit losses	Calculated rate: -
					Active power	- 0 kW to 2000 kW
					Alternating voltage	- 0 kV to 100 kV

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.75.	IEC 60076-1(2011), subclause 11,5; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electrical transformers;	27.1 1.4	8504210000;8504221000; 8504229000;850423000; 850431;850432000; 850433000;8504340000	Active power	- 0 kW to 2000 kW
					Alternating voltage	- 0 kV to 100 kV
					No-load losses	Calculated rate: -
					No-load current	Calculated rate: -
					Alternating current	- 0 A to 6000 A

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.76.	GOST 14794, subclause 6.1; Non-destructive testing; exterior inspection and measurements	Electrical transformers;	27.11.4	850450	Dimensions	- 0 mm to 50000 mm
1.77.	GOST 14794, subclause 6.2; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electrical transformers;	27.11.4	850450	Inductive resistance	Calculated rate: -
					Alternating voltage	- 0 kV to 100 kV
					Alternating current	- 0 A to 6000 A
					Electrical DC resistance	- 10^{-6} Ω to 10^{5} Ω

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.78.	GOST 14794, subclause 6.7; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electrical transformers;	27.11.4	850450	Coupling coefficient	Calculated rate: -
					Alternating voltage	- 0 kV to 100 kV
					Alternating current	- 0 A to 6000 A
					Electrical DC resistance	- 10^{-6} Ω to 10^{5} Ω
1.79.	GOST 14794, subclause 6.8; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electrical transformers;	27.11.4	850450	Active power	Calculated rate: - 0 kW to 2000 kW

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.79.					Alternating voltage	- 0 kV to 100 kV
					Alternating current	- 0 A to 6000 A
					Air temperature	- 0 °C to 300 °C
					Electrical DC resistance	- 10^{-6} Ω to 10^{5} Ω
1.80.	GOST 14794, subclause 6.10; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electrical transformers;	27.11.4	850450	Alternating current	- 0 A to 6000 A

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.81.	GOST R 52719, subclause 10.1; Non-destructive testing; exterior inspection and measurements	Electrical transformers;	27.11.4	8504210000;8504221000; 8504229000;850423000; 850431;850432000; 850433000;8504340000	Dimensions	- 0 mm to 50000 mm
1.82.	GOST R 55190, subclauses 8.2.1, 8.2.2; Non-destructive testing; exterior inspection and measurements	Switchgear and regulating electrical equipment; Electric circuit switchgear or protection devices for voltages greater than 1 kV; Electric circuit switchgear or protection devices for voltages not greater than 1 kV; Electrical switchgear or protective equipment packages; Sections of electrical switchgear or regulating equipment;	27.12;27.12.1;27.12.2; 27.12.3;27.12.4	8537	Mass	Compliant/noncompliant 0 kg to 5000 kg
					Dimensions	Compliant/noncompliant 0 mm to 50000 mm
					Correctness of marking and branding and other technical documentation requirements that can be checked visually	Compliant/noncompliant -
					Protective coating and insulation part surface condition	Compliant/noncompliant -

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.83.	GOST R 55190, subclause 8.4.1; Non-destructive testing; visual method	Switchgear and regulating electrical equipment; Electric circuit switchgear or protection devices for voltages greater than 1 kV; Electric circuit switchgear or protection devices for voltages not greater than 1 kV; Electrical switchgear or protective equipment packages; Sections of electrical switchgear or regulating equipment; Packaged switchgears; Single-end service assembled chambers;	27.12;27.12.1;27.12.2; 27.12.3;27.12.4	8537	Visual inspection	Compliant/noncompliant -
1.84.	GOST R 55190, subclause 8.4.1; Non-destructive testing; exterior inspection and measurements	Electrical switchgear or protective equipment packages; Switchgear and regulating electrical equipment;	27.12.3;27.12;27.12.4; 27.12.1;27.12.2	8537	Installation of accessory equipment and the way of its fixing	Compliant/noncompliant -

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.84.		Sections of electrical switchgear or regulating equipment; Electric circuit switchgear or protection devices for voltages greater than 1 kV; Electric circuit switchgear or protection devices for voltages not greater than 1 kV;				
1.85.	GOST R 55190, subclause 8.4.2; Non-destructive testing; exterior inspection and measurements	Electrical switchgear or protective equipment packages; Switchgear and regulating electrical equipment; Sections of electrical switchgear or regulating equipment; Electric circuit switchgear or protection devices for voltages greater than 1 kV; Electric circuit switchgear or protection devices for voltages not greater than 1 kV;	27.12.3;27.12;27.12.4; 27.12.1;27.12.2	8537	Alignment of main and auxiliary circuits detachable contacts	- 0 mm to 1000 mm

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.86.	GOST R 55190, subclause 8.4.4.2; Functional testing of systems and structural elements; functional testing of systems and structural elements	Switchgear and regulating electrical equipment; Electric circuit switchgear or protection devices for voltages greater than 1 kV; Electric circuit switchgear or protection devices for voltages not greater than 1 kV; Electrical switchgear or protective equipment packages; Sections of electrical switchgear or regulating equipment; Packaged switchgears; Single-end service assembled chambers;	27.12;27.12.1;27.12.2; 27.12.3;27.12.4	8537	Power supply voltage	- 0 V to 1000 V
					Force	- 0 N to 500 N
					Force	- 0 N to 500 N
					Operation	Passed/failed -
1.87.	GOST R 55190, subclause 8.4.5.1; Physical and mechanical; measurement of physical quantities	Switchgear and regulating electrical equipment; Electric circuit switchgear or protection devices for voltages greater than 1 kV;	27.12;27.12.1;27.12.2; 27.12.3;27.12.4	8537	Closing time	- 0 s to 100 s

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.87.		Electric circuit switchgear or protection devices for voltages not greater than 1 kV; Electrical switchgear or protective equipment packages; Sections of electrical switchgear or regulating equipment; Packaged switchgears; Single-end service assembled chambers;			Opening time	- 0 s to 100 s
1.88.	GOST R 55190, subclauses 8.4.6.1, 8.4.6.2, 8.4.6.4 - 8.4.6.8, 8.4.6.10; Functional testing of systems and structural elements; functional testing of systems and structural elements	Switchgear and regulating electrical equipment; Packaged switchgears; Electrical switchgear or protective equipment packages; Sections of electrical switchgear or regulating equipment; Electric circuit switchgear or protection devices for voltages greater than 1 kV;	27.12;27.12.3;27.12.4; 27.12.1;27.12.2	8537	Test power supply voltage	- 0 V to 1000 V
					Mechanical strength of switchgear structural elements in multiple operations	Passed/failed -

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.88.		Electric circuit switchgear or protection devices for voltages not greater than 1 kV; Single-end service assembled chambers;				
1.89.	GOST R 55190, subclause 8.4.8; Functional testing of systems and structural elements; functional testing of systems and structural elements	Switchgear and regulating electrical equipment; Electrical switchgear or protective equipment packages; Sections of electrical switchgear or regulating equipment; Electric circuit switchgear or protection devices for voltages greater than 1 kV; Electric circuit switchgear or protection devices for voltages not greater than 1 kV; Packaged switchgears;	27.12;27.12.3;27.12.4; 27.12.1;27.12.2	8537	Test force	- 0 N to 500 N
					Test control voltage	- 0 V to 1000 V
					Locking devices	Passed/failed -

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.89.		Single-end service assembled chambers;				
1.90.	GOST R 55190, subclause 8.4.9; Environmental effect testing; other methods of environmental effect investigation (testing)	Switchgear and regulating electrical equipment; Electric circuit switchgear or protection devices for voltages greater than 1 kV; Electric circuit switchgear or protection devices for voltages not greater than 1 kV; Electrical switchgear or protective equipment packages; Sections of electrical switchgear or regulating equipment; Packaged switchgears; Single-end service assembled chambers;	27.12;27.12.1;27.12.2; 27.12.3;27.12.4	8537	Fixing devices	Passed/failed -
					Force	- 0 N to 500 N

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.91.	GOST R 55190, subclause 8.4.10.1, 8.4.10.3, 8.4.10.4; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Switchgear and regulating electrical equipment; Electric circuit switchgear or protection devices for voltages greater than 1 kV; Electric circuit switchgear or protection devices for voltages not greater than 1 kV; Electrical switchgear or protective equipment packages; Sections of electrical switchgear or regulating equipment; Packaged switchgears; Single-end service assembled chambers;	27.12;27.12.1;27.12.2; 27.12.3;27.12.4	8537	Direct current	- 0 A to 100 A
					DC resistance	Passed/failed 10^{-6} Ω to 199.9 Ω
1.92.	GOST R 55190, subclause 8.4.10.2; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Switchgear and regulating electrical equipment; Electric circuit switchgear or protection devices for voltages greater than 1 kV;	27.12;27.12.1;27.12.2; 27.12.3;27.12.4	8537	Pressure continuity of sliding earthing contacts	Passed/failed

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.92.		Electric circuit switchgear or protection devices for voltages not greater than 1 kV; Electrical switchgear or protective equipment packages; Sections of electrical switchgear or regulating equipment;				
1.93.	GOST R 55190, subclauses 8.10.4 - 8.10.6; Functional testing of systems and structural elements; functional testing of systems and structural elements	Switchgear and regulating electrical equipment; Electrical switchgear or protective equipment packages; Sections of electrical switchgear or regulating equipment; Electric circuit switchgear or protection devices for voltages greater than 1 kV; Electric circuit switchgear or protection devices for voltages not greater than 1 kV; Sulphur hexafluoride-insulated packaged switchgears;	27.12;27.12.3;27.12.4; 27.12.1;27.12.2	8537	Compatibility of identic withdrawable parts	Passed/failed -

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.93.		Single-end service assembled chambers;				
1.94.	GOST 8.217, subclause 10.2; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electrical transformers; Current transfromers;	27.11.4	8504210000;8504221000; 8504229000;850423000; 850431;850432000; 850433000;8504340000	Winding insulation resistance	Passed/failed 0 TΩ to 40 TΩ
1.95.	GOST 8.217, subclauses 10.3, 10.4; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Electrical transformers; Current transfromers;	27.11.4	8504210000;8504221000; 8504229000;850423000; 850431;850432000; 850433000;8504340000	Absolute angle error	- -600 min to 600 min
					Relative current error	- -20 % to 20 %
					Test current	- 0 A to 6000 A

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.96.	GOST 1983, subclause 9.6; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Other transformers of power not greater than 16 kVA;	27.11.42	850431;8504320002	Alternating voltage	- 0 kV to 347 kV
					Voltage transformer (VT) voltage scale transformation coefficient error (VT voltage error)	Passed/failed -20 % to 20 %
					Vector group	Compliant/noncompliant -
					Angle error (voltage phase angle error)	Passed/failed -600 min to 600 min
1.97.	GOST 8.216, subclauses 10.2. 10.3.1-10.3.11, 10.3.13.2, 10.13.13.3, 10.3.14; Electrophysical investigation (testing); electrophysical investigation (testing) methods without specification	Other transformers of power not greater than 16 kVA;	27.11.42	850431;8504320002	Voltage transformer (VT) voltage scale transformation coefficient error (VT voltage error)	Passed/failed -20 % to 20 %

§§	Documents establishing rules and methods of investigation (testing) and measurements	Equipment	OKPD 2 CODE	TN VED EAEU CODE	Defined parameter	Range
1.97.					Vector group	Compliant/noncompliant -
					Angle error (voltage phase angle error)	Passed/failed -600 min to 600 min
					Alternating voltage	- 0 kV to 347 kV