



**NATIONAL INSTITUTE FOR RESEARCH-DEVELOPMENT AND  
TESTING IN ELECTRICAL ENGINEERING  
I C M E T - CRAIOVA**

**TYPE TEST REPORT  
No. 13463/28.11.2019**

We, hereby, verify that the under mentioned electrical product submitted to the tests in our laboratory, in July 2019, is in compliance with the related clauses and sub-clauses of standard IEC 62271-200 as mentioned in the attached TEST REPORT.

<b>Name of product</b>	24 kV / 1250 A / 25 kA Metal-Clad Switchgear with Vacuum Circuit Breaker	
<b>Manufacturer</b>	JSC "PO ELTECHNICA"	
	Vacuum Circuit Breaker	Metal Clade Switchgear
<b>Model/Type</b>	VF24-M-20-25-B-1250-00.00 Y3	KPY-20-1250/25-1 Y3
<b>Technical characteristics established by producer</b>		
Rated voltage	24 kV	24 kV
Rated current	1250 A	1250 A
Rated frequency (fr)	50 Hz	50 Hz
Short-time withstand current	25 kA	25 kA
Peak withstand current	62.5 kA	62.5 kA
Rated duration of short-circuit	3 s	3 s
Short-circuit making current	62.5 kA	-
Short-circuit breaking current	25 kA	-
Internal arc fault current	-	25 kA / 1 s
Class	M2-25	-
IAC Classification	-	AFLR

**The product passed successfully the following type tests:**

➤ **24 kV / 1250 A / 25 kA Metal-Clad Switchgear with Vacuum Circuit Breaker acc. to IEC 62271-200**

No	Test type / IEC clause	Test result	Test Report No.
<b>1</b>	<b>Dielectric tests</b>	<b>Passed the test</b>	<b>46799</b>
1.1	Lightning impulse voltage test , cl. 6.2.6.2		
1.2	Power frequency voltage test - dry, cl. 6.2.6.1		
1.3	Dielectric test on auxiliary circuit, cl. 6.2.10		
<b>2</b>	<b>Measurement of the resistance of the main circuit, cl.6.4</b>	<b>Passed the test</b>	<b>13036</b>
<b>3</b>	<b>Temperature rise test, cl 6.5</b>		
<b>4</b>	<b>Short-time withstand current and peak withstand current test (on main circuit, earthing switch and earthing circuit), cl. 6.6</b>		
<b>5</b>	<b>Verification on IP 41 coding, cl.6.7.1</b>	<b>Passed the test</b>	<b>46799</b>
<b>6</b>	<b>Verification on IK 10 coding, cl.6.7.2</b>		

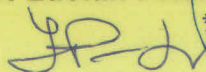


No	Test type / IEC clause	Test result	Test Report No.
7	Mechanical operation tests, cl. 6.102	Passed the test	13036
8	Basic short-circuit test duties T 100s in cycles O-0.3s-CO-3min-CO and T100a in cycles: O-3 min-O-3min-O, cl.6.101.2		
9	Internal arc test (in cables, circuit-breaker and busbar compartment), cl. 6.106		

**NOTE:** The test parameters can be found in the test reports listed above.

**General Manager**

**PhD. Lucian Pricina**




**Technical Manager of  
Low and High Voltage Laboratory**

**Dipl. Eng. Ion BURCIU**



**Technical Manager of  
High Power Laboratory**

**Phys. Daniel TRUTA**



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