



Electrotechnical Engineering and Production, joint-stock company
619 00 BRNO, Vídeňská 117

REPORT OF PERFORMANCE No: 23 - 0109


Protective current transformer

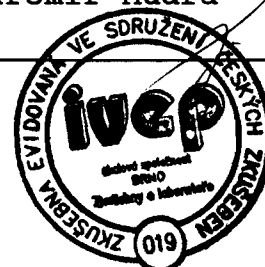


A handwritten signature in cursive script, appearing to read 'J. Landa', written over a horizontal dotted line.

Brno 3th December 1996

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REPORT OF PERFORMANCE No: 83 -0109		Page: 2
Subject of test: Protective current transformer		Total of pages: .10
Type: CTS 12.S	Kind of test: routine	
	Tested according to: IEC Publications 185	
Rates values:	Test ordered by:	
Rated primary current 400 A	KPB INTRA, s.r.o.	
Rated secondary current 5 A	Fučíkova 860	
Highest voltage for equipment 12 kV	685 01 Bučovice	
Accuracy class 5P	No. of orderer:	
Accuracy limit (n) 10	KPB INTRA 55/96	
Rated output 30 VA	Survey numbers of samples:	
Rated frequency 50 Hz	362-369/96	
Rated dynamic current 125 kA	Atmospheric conditions:	
Rated short-time thermal current 50 kA	Temperature: 20 °C	
Test voltage 28 kV	Pressure:	
	Air moisture:	
Products producer:	Report contains:	Distribution:
KPB INTRA, s.r.o.	sheets of text: 9	KPB INTRA 2x
Fučíkova 860	tables:	IVEP 3x
685 01 Bučovice	oscillograms:	
	diagrams:	
Samples delivered on:	drawings:	
the 18. November, 1996	photographs:	
Result of the test:		
The protective current transformer complies with tests required according to IEC Publications 185.		
date of the test: 19.-26.11.1996	Tested by:  Vlastimil Rada	Chief of test rooms: Jaromír Mudra



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Results of routine tests of protective instrument
current transformer
Production No.: 1200027

Kind of test	Reached values
Verification of terminal markings acc. to clause 16	Satisfactory
Tests for accuracy acc. to clause 38	Winding: 30 VA class: 5P Satisfactory
Composite error (ϵ) and accuracy limit (n) acc. to clause 40	Winding : $\epsilon \leq 5\%$ $n = 10$ Satisfactory
Power-frequency test on primary winding acc. to clause 17	28 kV - 50 Hz - 1 min Satisfactory
Power-frequency tests between sections of primary and second- ary windings and on secondary windings acc. to clause 18	3 kV - 50 Hz - 1 min Satisfactory
Interturn insulation test acc. to clause 19	100% I_n - 50 Hz - 1 min Satisfactory
Partial discharge acc. to clause 17	$Q < 50$ pC Satisfactory

The protective transformer complies with required according to
IEC Publications 185.

	REPORT OF PERFORMANCE No.: 83-0109 Subject of test: Protective current transformer	Page: 4
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Results of routine tests of protective instrument
current transformer
Production No.: 1200028

Kind of test	Reached values
Verification of terminal markings acc. to clause 16	Satisfactory
Tests for accuracy acc. to clause 38	Winding: 30 VA class: 5P Satisfactory
Composite error (ϵ) and accuracy limit (n) acc. to clause 40	Winding : $\epsilon \leq 5\%$ $n = 10$ Satisfactory
Power-frequency test on primary winding acc. to clause 17	28 kV - 50 Hz - 1 min Satisfactory
Power-frequency tests between sections of primary and second- ary windings and on secondary windings acc. to clause 18	3 kV - 50 Hz - 1 min Satisfactory
Interturn insulation test acc. to clause 19	100% I_n - 50 Hz - 1 min Satisfactory
Partial discharge acc. to clause 17	$Q < 50$ pC Satisfactory

The protective transformer complies with required according to
IEC Publications 185.

	REPORT OF PERFORMANCE No.: 83-0109 Subject of test: Protective current transformer	Page: 5 Total of pages:10
Results of routine tests of protective instrument current transformer Production No.: 1200029		
Kind of test	Reached values	
Verification of terminal markings acc. to clause 16	Satisfactory	
Tests for accuracy acc. to clause 38	Winding: 30 VA class: 5P Satisfactory	
Composite error (ϵ) and accuracy limit (n) acc. to clause 40	Winding : $\epsilon \leq 5\%$ $n = 10$ Satisfactory	
Power-frequency test on primary winding acc. to clause 17	28 kV - 50 Hz - 1 min Satisfactory	
Power-frequency tests between sections of primary and secondary windings and on secondary windings acc. to clause 18	3 kV - 50 Hz - 1 min Satisfactory	
Interturn insulation test acc. to clause 19	100% I_n - 50 Hz - 1 min Satisfactory	
Partial discharge acc. to clause 17	$Q < 50$ pC Satisfactory	
The protective transformer complies with required according to IEC Publications 185.		

	REPORT OF PERFORMANCE No.: 83-0109 Subject of test: Protective current transformer	Page: 6
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Results of routine tests of protective instrument current transformer Production No.: 1200030		
Kind of test	Reached values	
Verification of terminal markings acc. to clause 16	Satisfactory	
Tests for accuracy acc. to clause 38	Winding: 30 VA class: 5P Satisfactory	
Composite error (ϵ) and accuracy limit (n) acc. to clause 40	Winding : $\epsilon \leq 5\%$ $n = 10$ Satisfactory	
Power-frequency test on primary winding acc. to clause 17	28 kV - 50 Hz - 1 min Satisfactory	
Power-frequency tests between sections of primary and secondary windings and on secondary windings acc. to clause 18	3 kV - 50 Hz - 1 min Satisfactory	
Interturn insulation test acc. to clause 19	100% I_n - 50 Hz - 1 min Satisfactory	
Partial discharge acc. to clause 17	$Q < 50$ pC Satisfactory	
The protective transformer complies with required according to IEC Publications 185.		

	REPORT OF PERFORMANCE No.: 83-0109 Subject of test: Protective current transformer	Page: .7 Total of pages:10
Results of routine tests of protective instrument current transformer Production No.: 1200031		
Kind of test	Reached values	
Verification of terminal markings acc. to clause 16	Satisfactory	
Tests for accuracy acc. to clause 38	Winding: 30 VA class: 5P Satisfactory	
Composite error (ϵ) and accuracy limit (n) acc. to clause 40	Winding : $\epsilon \leq 5\%$ $n = 10$ Satisfactory	
Power-frequency test on primary winding acc. to clause 17	28 kV - 50 Hz - 1 min Satisfactory	
Power-frequency tests between sections of primary and secondary windings and on secondary windings acc. to clause 18	3 kV - 50 Hz - 1 min Satisfactory	
Interturn insulation test acc. to clause 19	100% I_n - 50 Hz - 1 min Satisfactory	
Partial discharge acc. to clause 17	$Q < 50$ pC Satisfactory	
The protective transformer complies with required according to IEC Publications 185.		

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Results of routine tests of protective instrument
current transformer
Production No.: 1200032

Kind of test	Reached values
Verification of terminal markings acc. to clause 16	Satisfactory
Tests for accuracy acc. to clause 38	Winding: 30 VA class: 5P Satisfactory
Composite error (ϵ) and accuracy limit (n) acc. to clause 40	Winding : $\epsilon \leq 5\%$ $n = 10$ Satisfactory
Power-frequency test on primary winding acc. to clause 17	28 kV - 50 Hz - 1 min Satisfactory
Power-frequency tests between sections of primary and secondary windings and on secondary windings acc. to clause 18	3 kV - 50 Hz - 1 min Satisfactory
Interturn insulation test acc. to clause 19	100% I_n - 50 Hz - 1 min Satisfactory
Partial discharge acc. to clause 17	$Q < 50$ pC Satisfactory

The protective transformer complies with required according to IEC Publications 185.

	REPORT OF PERFORMANCE No.: 83-0109 Subject of test: Protective current transformer	Page: 9 Total of pages:10
Results of routine tests of protective instrument current transformer Production No.: 1200033		
Kind of test	Reached values	
Verification of terminal markings acc. to clause 16	Satisfactory	
Tests for accuracy acc. to clause 38	Winding: 30 VA class: 5P Satisfactory	
Composite error (ϵ) and accuracy limit (n) acc. to clause 40	Winding : $\epsilon \leq 5\%$ $n = 10$ Satisfactory	
Power-frequency test on primary winding acc. to clause 17	28 kV - 50 Hz - 1 min Satisfactory	
Power-frequency tests between sections of primary and secondary windings and on secondary windings acc. to clause 18	3 kV - 50 Hz - 1 min Satisfactory	
Interturn insulation test acc. to clause 19	100% I_n - 50 Hz - 1 min Satisfactory	
Partial discharge acc. to clause 17	$Q < 50$ pC Satisfactory	
The protective transformer complies with required according to IEC Publications 185.		

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Results of routine tests of protective instrument
current transformer
Production No.: 1200034

Kind of test	Reached values
Verification of terminal markings acc. to clause 16	Satisfactory
Tests for accuracy acc. to clause 38	Winding: 30 VA class: 5P Satisfactory
Composite error (ϵ) and accuracy limit (n) acc. to clause 40	Winding : $\epsilon \leq 5\%$ $n = 10$ Satisfactory
Power-frequency test on primary winding acc. to clause 17	28 kV - 50 Hz - 1 min Satisfactory
Power-frequency tests between sections of primary and second- ary windings and on secondary windings acc. to clause 18	3 kV - 50 Hz - 1 min Satisfactory
Interturn insulation test acc. to clause 19	100% I_n - 50 Hz - 1 min Satisfactory
Partial discharge acc. to clause 17	$Q < 50$ pC Satisfactory

The protective transformer complies with required according to
IEC Publications 185.