



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

REPORT OF PERFORMANCE No:

83-0114

Measuring current transformer  
CTS 12.S



Brno 6. 3. 1997

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REPORT OF PERFORMANCE No: 83 -0114		Page: 1
Subject of test: Measuring current transformer		Total of pages: 7
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 0,5		No. of orderer:
Accuracy limit (n) 10		KPB INTRA 11/97
Rated output 30 VA		Survey numbers of samples:
Rated frequency 50 Hz		289-294/97
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:
KPB INTRA, s.r.o.		sheets of text: 7
Fučíkova 860		tables:
685 01 Bučovice		oscillograms:
		diagrams:
Samples delivered on:		drawings:
the 21. February, 1997		photographs:
Distribution:		
KPB INTRA 2x		
IVEP 3x		
Result of the test:		
The measuring current transformer complies with tests required according to IEC Publications 185.		
date of the test: 21.-22.2.1997	Tested by:  Vlastimil Rada	Chief of test rooms:  Jiří Mudra



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Results of routine tests of measuring instrument  
current transformer  
Production No.: 1200080

Kind of test	Reached values
Verification of terminal markings acc. to clause 16	Satisfactory
Tests for accuracy acc. to clause 27	Winding: 30 VA class: 0,5 Satisfactory
Composite error ( $\epsilon$ ) and accuracy limit ( $n$ ) acc. to clause 40	Winding :
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 measuring transformer complies with required according to IEC Publications 185.

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Results of routine tests of measuring instrument current transformer Production No.: 1200081		
Kind of test	Reached values	
Verification of terminal markings acc. to clause 16	Satisfactory	
Tests for accuracy acc. to clause 27	Winding: 30 VA class: 0,5 Satisfactory	
Composite error ( $\epsilon$ ) and accuracy limit ( $n$ ) acc. to clause 40	Winding : --	
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 measuring transformer complies with required according to IEC Publications 185.		

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Results of routine tests of measuring instrument  
current transformer  
Production No.: 1200082

Kind of test	Reached values
Verification of terminal markings acc. to clause 16	Satisfactory
Tests for accuracy acc. to clause 27	Winding: 30 VA class: 0,5 Satisfactory
Composite error ( $\epsilon$ ) and accuracy limit ( $n$ ) acc. to clause 40	Winding :
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 measuring transformer complies with required according to IEC Publications 185.

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Results of routine tests of measuring instrument  
current transformer  
Production No.: 1200083

Kind of test	Reached values
Verification of terminal markings acc. to clause 16	Satisfactory
Tests for accuracy acc. to clause 27	Winding: 30 VA class: 0,5 Satisfactory
Composite error ( $\epsilon$ ) and accuracy limit ( $n$ ) acc. to clause 40	Winding :
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 measuring transformer complies with required according to IEC Publications 185.

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Results of routine tests of measuring instrument  
current transformer  
Production No.: 1200084

Kind of test	Reached values
Verification of terminal markings acc. to clause 16	Satisfactory
Tests for accuracy acc. to clause 27	Winding: 30 VA class: 0,5 Satisfactory
Composite error ( $\epsilon$ ) and accuracy limit ( $n$ ) acc. to clause 40	Winding :
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 measuring transformer complies with required according to IEC Publications 185.

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Results of routine tests of measuring instrument current transformer Production No.: 1200085		
Kind of test	Reached values	
Verification of terminal markings acc. to clause 16	Satisfactory	
Tests for accuracy acc. to clause 27	Winding: 30 VA class: 0,5 Satisfactory	
Composite error ( $\epsilon$ ) and accuracy limit ( $n$ ) acc. to clause 40	Winding :	
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 measuring transformer complies with required according to IEC Publications 185.		