

Customer : AREVA Sachsenwerk GmbH
Order No. : 4500191205 v. 28.04.05 Pos. 160

Berlin, 13.06.05

Test Certificate

3 Current transformers, Type CT 12
FB-No. 201017434/160
Serial No. 05/5107601 to 05/5107603

Class of insulation T72/E
Insulation level [kV] 12/28/75
Rated short-time thermal current I_{th} [kA] 50 3s
Rated frequency [Hz] 50
Rated dynamic current I_{dyn} [kA] 120

Core	1	2	3
Rated ratio [A/A]	750/ 1	750/ 1	750/ 1
Rated output [VA]	15	15	15
Accuracy class	0.2	1	10P
Instrument security factor	FS5	FS5	-
Accuracy limit factor	-	-	10

According to the rules for instrument transformers: IEC 60044-1

Terminal markings were found to be correct.

The current transformers withstood the high-voltage test.

- Power-frequency test on primary winding / busbar : passed
- Power-frequency test on secondary windings : passed
- Inter turn test : passed
- Partial discharge test : passed

The results of the accuracy test, performed after demagnetization, comply with the limits of error for the respective accuracy class.

For results of accuracy test please see page 2 - 4

Date of test: 10.06.2005

Instrument transformer test room

by order Krause

Serial No. 05 / 5107601

Fb.No. 201017434/160

Core 1 1.Rated ratio 750/ 1

	15VA; PF0.8		3.75VA; PF1					
I / I _N	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.20	+00.03	-00.83						
1.00	+00.02	-00.74	+00.09	+01.22				
0.20	-00.08	+01.81						
0.05	-00.25	+08.74						

Core 2 1.Rated ratio 750/ 1

	15VA; PF0.8		3.75VA; PF1					
I / I _N	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.20	+00.03	-04.26						
1.00	-00.01	-03.96	+00.28	+06.21				
0.20	-00.47	+05.95						
0.05	-01.07	+20.20						

Core 3 1.Rated ratio 750/ 1

15VA; PF0.8								
I / I _N	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.00	-00.16	+00.83						

Serial No. 05 / 5107602

Fb.No. 201017434/160

Core 1		1.Rated ratio 750/ 1							
		15VA; PF0.8		3.75VA; PF1					
I / I _N		F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.20		-00.01	+00.26						
1.00		-00.02	+00.13	+00.09	+01.14				
0.20		-00.09	+01.70						
0.05		-00.19	+06.38						

Core 2		1.Rated ratio 750/ 1							
		15VA; PF0.8		3.75VA; PF1					
I / I _N		F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.20		+00.03	-04.15						
1.00		+00.01	-03.64	+00.33	+04.93				
0.20		-00.24	+02.91						
0.05		-00.46	+09.33						

Core 3		1.Rated ratio 750/ 1							
		15VA; PF0.8							
I / I _N		F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.00		-00.16	+00.94						

Serial No. 05 / 5107603

Fb.No. 201017434/160

Core 1		1.Rated ratio 750/ 1							
		15VA; PF0.8				3.75VA; PF1			
I / I _N		F [%]	D [min]			F [%]	D [min]		
1.20		+00.01	-00.45						
1.00		-00.07	+00.49			+00.09	+00.86		
0.20		-00.10	+01.91						
0.05		-00.21	+06.30						

Core 2		1.Rated ratio 750/ 1							
		15VA; PF0.8				3.75VA; PF1			
I / I _N		F [%]	D [min]			F [%]	D [min]		
1.20		-00.11	-00.43						
1.00		-00.07	-03.19			+00.35	+04.63		
0.20		-00.26	+03.57						
0.05		-00.49	+11.53						

Core 3		1.Rated ratio 750/ 1							
		15VA; PF0.8							
I / I _N		F [%]	D [min]			F [%]	D [min]		
1.00		-00.16	+00.54						