

Customer : AREVA Sachsenwerk GmbH
Order No. : 4500191205 v. 28.04.05 Pos. 030

Berlin, 29.06.05

Test Certificate

6 Current transformers, Type CT 12
FB-No. 201017434/030
Serial No. 05/5107001 to 05/5107006

Class of insulation T40/E
Insulation level [kV] 12/28/75
Rated short-time thermal current I_{th} [kA] 31.5 3s
Rated frequency [Hz] 50
Rated dynamic current I_{dyn} [kA] 80

Core	1	2	3
Rated ratio [A/A]	250/ 1	250/ 1	250/ 1
Rated output [VA]	15	15	10
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 - 7

Date of test: 23.06.2005

Instrument transformer test room

by order Krause

Serial No. 05 / 5107001

Fb.No. 201017434/030

Core 1 | 1.Rated ratio 250/ 1

15VA; PF0.8			3.75VA; PF1					
I / I _N	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.20	+00.02	+00.15						
1.00	-00.01	+00.38	+00.16	+00.83				
0.20	-00.03	+00.25						
0.05	-00.15	+02.49						

Core 2 | 1.Rated ratio 250/ 1

15VA; PF0.8			3.75VA; PF1					
I / I _N	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.20	-00.28	-02.81						
1.00	-00.33	-02.10	+00.34	+09.53				
0.20	-00.77	+11.90						
0.05	-01.11	+21.12						

Core 3 | 1.Rated ratio 250/ 1

10VA; PF0.8								
I / I _N	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.00	-00.21	+00.87						

Serial No. 05 / 5107002

Fb.No. 201017434/030

Core 1		1.Rated ratio 250/ 1					
		15VA; PF0.8		3.75VA; PF1			
I / I _N		F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.20		+00.09	-01.34				
1.00		+00.08	-01.30	+00.17	+00.54		
0.20		+00.02	-00.34				
0.05		-00.10	+02.22				

Core 2		1.Rated ratio 250/ 1					
		15VA; PF0.8		3.75VA; PF1			
I / I _N		F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.20		-00.28	-02.76				
1.00		-00.33	-01.71	+00.35	+08.93		
0.20		-00.72	+11.28				
0.05		-01.07	+22.72				

Core 3		1.Rated ratio 250/ 1					
		10VA; PF0.8					
I / I _N		F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.00		-00.22	+00.73				

Serial No. 05 / 5107003

Fb.No. 201017434/030

Core 1		1.Rated ratio 250/ 1							
		15VA; PF0.8		3.75VA; PF1					
I / I _N		F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.20		+00.09	-01.22						
1.00		+00.08	-01.11	+00.17	+00.34				
0.20		+00.02	-00.29						
0.05		-00.09	+01.70						

Core 2		1.Rated ratio 250/ 1							
		15VA; PF0.8		3.75VA; PF1					
I / I _N		F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.20		-00.16	-03.37						
1.00		-00.21	-02.49	+00.39	+07.74				
0.20		-00.53	+07.86						
0.05		-00.83	+14.80						

Core 3		1.Rated ratio 250/ 1							
		10VA; PF0.8							
I / I _N		F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.00		-00.22	+00.89						

Serial No. 05 / 5107004

Fb.No. 201017434/030

Core 1		1.Rated ratio 250/ 1					
		15VA; PF0.8		3.75VA; PF1			
I / I _N		F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.20		+00.09	-01.23				
1.00		+00.08	-01.15	+00.17	+00.33		
0.20		+00.03	-00.44				
0.05		-00.09	+01.80				

Core 2		1.Rated ratio 250/ 1					
		15VA; PF0.8		3.75VA; PF1			
I / I _N		F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.20		-00.18	-02.69				
1.00		-00.21	-01.48	+00.39	+07.27		
0.20		-00.49	+07.66				
0.05		-00.76	+13.53				

Core 3		1.Rated ratio 250/ 1					
		10VA; PF0.8					
I / I _N		F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.00		-00.22	+00.71				

Serial No. 05 / 5107005

Fb.No. 201017434/030

Core 1		1.Rated ratio 250/ 1					
		15VA; PF0.8		3.75VA; PF1			
I / I _N		F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.20		+00.07	-01.59				
1.00		+00.06	-01.44	+00.16	+01.03		
0.20		-00.03	-00.15				
0.05		-00.16	+04.64				

Core 2		1.Rated ratio 250/ 1					
		15VA; PF0.8		3.75VA; PF1			
I / I _N		F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.20		-00.21	-03.74				
1.00		-00.26	-01.81	+00.36	+08.08		
0.20		-00.64	+09.43				
0.05		-00.97	+17.54				

Core 3		1.Rated ratio 250/ 1					
		10VA; PF0.8					
I / I _N		F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.00		-00.21	+01.15				

Serial No. 05 / 5107006

Fb.No. 201017434/030

Core 1		1.Rated ratio 250/ 1							
		15VA; PF0.8		3.75VA; PF1					
I / I _N		F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.20		+00.08	-01.42						
1.00		+00.08	-01.32	+00.17	+00.25				
0.20		+00.02	-00.54						
0.05		-00.10	+01.77						

Core 2		1.Rated ratio 250/ 1							
		15VA; PF0.8		3.75VA; PF1					
I / I _N		F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.20		-00.08	-04.13						
1.00		-00.12	-03.37	+00.38	+05.85				
0.20		-00.47	+03.70						
0.05		-00.85	+09.33						

Core 3		1.Rated ratio 250/ 1							
		10VA; PF0.8							
I / I _N		F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.00		-00.24	+00.84						