

Customer: AREVA Sachsenwerk GmbH
Order No.: 4500191205 v. 28.04.05 Pos. 060

Berlin, 13.06.05

Test Certificate

3 Current transformers, Type CT 12
FB-No. 201017434/060
Serial No. 05/5107201 to 05/5107203

Class of insulation T70/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]	1250/ 1	1250/ 1	1250/ 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 / 5107201

Fb.No. 201017434/060

Core 1 **1.Rated ratio 1250/ 1**

		15VA; PF0.8		3.75VA; PF1					
I / I _N	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	
1.20	-00.10	-00.76							
1.00	-00.11	-00.82	+00.05	+02.75					
0.20	-00.22	+02.98							
0.05	-00.31	+05.49							

Core 2 **1.Rated ratio 1250/ 1**

		15VA; PF0.8		3.75VA; PF1					
I / I _N	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	
1.20	-00.24	-01.13							
1.00	-00.24	-00.82	-00.09	+01.81					
0.20	-00.34	+02.10							
0.05	-00.42	+04.05							

Core 3 **1.Rated ratio 1250/ 1**

		15VA; PF0.8							
I / I _N	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	
1.00	-00.08	-00.12							

Serial No. 05 / 5107202

Fb.No. 201017434/060

Core 1 1.Rated ratio 1250/ 1

		15VA; PF0.8		3.75VA; PF1					
I / I _N		F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.20		-00.07	-01.03						
1.00		-00.09	-00.73	+00.05	+02.76				
0.20		-00.18	+02.30						
0.05		-00.26	+04.22						

Core 2 1.Rated ratio 1250/ 1

		15VA; PF0.8		3.75VA; PF1					
I / I _N		F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.20		-00.21	-00.94						
1.00		-00.27	-00.67	-00.10	+02.31				
0.20		-00.35	+02.59						
0.05		-00.44	+04.74						

Core 3 1.Rated ratio 1250/ 1

		15VA; PF0.8							
I / I _N		F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.00		-00.08	-00.14						

Serial No. 05 / 5107203

Fb.No. 201017434/060

Core 1		1.Rated ratio 1250/ 1							
		15VA; PF0.8				3.75VA; PF1			
I / I _N		F [%]	D [min]			F [%]	D [min]		
1.20		-00.05	-00.94						
1.00		-00.06	-00.64	+00.08	+01.89				
0.20		-00.15	+01.71						
0.05		-00.23	+03.17						

Core 2		1.Rated ratio 1250/ 1							
		15VA; PF0.8				3.75VA; PF1			
I / I _N		F [%]	D [min]			F [%]	D [min]		
1.20		-00.27	+00.26						
1.00		-00.30	-00.42	-00.16	+04.44				
0.20		-00.41	+03.18						
0.05		-00.51	+05.49						

Core 3		1.Rated ratio 1250/ 1							
		15VA; PF0.8							
I / I _N		F [%]	D [min]			F [%]	D [min]		
1.00		-00.08	-00.11						