

Customer : AREVA Sachsenwerk GmbH
Order No. : 4500191205 v. 28.04.05 Pos. 170

Berlin, 23.06.05

Test Certificate

3 Current transformers, Type CT 12
FB-No. 201017434/170
Serial No. 05/5107701 to 05/5107703

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]	1000/ 1	1000/ 1	1000/ 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: 21.06.2005

Instrument transformer test room

by order Krause

Serial No. 05 / 5107701

Fb.No. 201017434/170

Core 1		1.Rated ratio 1000/ 1							
		15VA; PF0.8		3.75VA; PF1					
I / I _N		F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.20		+00.00	-00.54						
1.00		-00.01	-00.28	+00.12	+02.26				
0.20		-00.09	+01.30						
0.05		-00.18	+02.70						

Core 2		1.Rated ratio 1000/ 1							
		15VA; PF0.8		3.75VA; PF1					
I / I _N		F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.20		+00.18	-02.30						
1.00		+00.11	-01.60	+00.32	+04.15				
0.20		-00.08	+03.66						
0.05		-00.21	+07.38						

Core 3		1.Rated ratio 1000/ 1							
		15VA; PF0.8							
I / I _N		F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.00		-00.11	+00.25						

Serial No. 05 / 5107702

Fb.No. 201017434/170

Core 1		1.Rated ratio 1000/ 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	-00.34						
1.00		-00.04	-00.06	+00.13	+02.05				
0.20		-00.13	+02.49						
0.05		-00.22	+04.73						

Core 2		1.Rated ratio 1000/ 1							
		15VA; PF0.8		3.75VA; PF1					
I / I _N		F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.20		+00.18	-01.75						
1.00		+00.14	-01.51	+00.35	+04.13				
0.20		-00.02	+03.37						
0.05		-00.15	+06.50						

Core 3		1.Rated ratio 1000/ 1							
		15VA; PF0.8							
I / I _N		F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.00		-00.10	+00.15						

Serial No. 05 / 5107703

Fb.No. 201017434/170

Core 1		1.Rated ratio 1000/ 1							
		15VA; PF0.8				3.75VA; PF1			
I / I _N		F [%]	D [min]			F [%]	D [min]		
1.20		+00.01	-00.15						
1.00		+00.00	+00.15			+00.09	+05.00		
0.20		-00.06	+01.89						
0.05		-00.13	+03.37						

Core 2		1.Rated ratio 1000/ 1							
		15VA; PF0.8				3.75VA; PF1			
I / I _N		F [%]	D [min]			F [%]	D [min]		
1.20		+00.15	-01.89						
1.00		+00.16	-01.31			+00.37	+03.01		
0.20		+00.02	+02.76						
0.05		-00.11	+04.77						

Core 3		1.Rated ratio 1000/ 1							
		15VA; PF0.8							
I / I _N		F [%]	D [min]			F [%]	D [min]		
1.00		-00.11	-00.06						