

Customer : AREVA Sachsenwerk GmbH
Order No. : 4500191205 v. 28.04.05 Pos. 040

Berlin, 07.06.05

Test Certificate

3 Current transformers, Type CT 12
FB-No. 201017434/040
Serial No. 05/5107101 to 05/5107103

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	0.2	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: 03.06.2005

Instrument transformer test room

by order Krause

Serial No. 05 / 5107101

Fb.No. 201017434/040

Core 1 1.Rated ratio 250/ 1

I / I _N	15VA; PF0.8		3.75VA; PF1		F [%]	D [min]	F [%]	D [min]
	F [%]	D [min]	F [%]	D [min]				
1.20	+00.09	-01.21						
1.00	+00.08	-01.03	+00.17	+00.34				
0.20	+00.03	-00.25						
0.05	-00.10	+02.00						

Core 2 1.Rated ratio 250/ 1

I / I _N	15VA; PF0.8		3.75VA; PF1		F [%]	D [min]	F [%]	D [min]
	F [%]	D [min]	F [%]	D [min]				
1.20	+00.08	-01.36						
1.00	+00.06	-01.21	+00.17	+00.55				
0.20	-00.01	-00.15						
0.05	-00.14	+02.30						

Core 3 1.Rated ratio 250/ 1

I / I _N	10VA; PF0.8		F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
	F [%]	D [min]						
1.00	-00.21	+00.72						

Serial No. 05 / 5107102

Fb.No. 201017434/040

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	+00.07	-01.22	+00.17	+00.44				
0.20	+00.01	-00.25						
0.05	-00.11	+02.19						

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	-01.21						
1.00	+00.07	-01.02	+00.17	+00.64				
0.20	+00.01	-00.15						
0.05	-00.11	+02.30						

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	+00.90						

Serial No. 05 / 5107103

Fb.No. 201017434/040

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	-01.32						
1.00	+00.08	-01.23	+00.17	+00.25				
0.20	+00.03	-00.57						
0.05	-00.09	+01.52						

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	+00.06	-01.42						
1.00	+00.03	-01.12	+00.16	+00.76				
0.20	-00.05	+00.16						
0.05	-00.18	+03.84						

Core 3 1.Rated ratio 250/ 1

		10VA; PF0.8					
I / I _N	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]
1.00	-00.22	+00.77					