Customer: AREVA Sachsenwerk GmbH
Order No.: 4500191205 v. 28.04.05 Pos. 180

Berlin, 13.06.05

Test Certificate

3 Current transformers, Type	CT 12I
FB-No.	201017434/180
Serial No.	05/5107801 to 05/5107803

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]	250/ 1	250/ 1	250/ 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: 08.06.2005

Instrument transformer test room

by order Krause

ZELISKO Instrument Transformers GmbH
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Telefax: +49 (0) 30 / 34 35 9 - 200
E-mail: zelisko.itg@knorr-bremse.com

Geschäftsführer: Franz Kassanits

Deutsche Bank AG München
Konto: 205017700
BLZ: 700 700 10
Swiftcode: DEUTDEMMXXX

Sitz: Berlin
Amtsgericht München HRB 8043
Steuer-Nr.: 29/230/03264

Serial No. 05 / 5107801

Fb.No. 201017434/180

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	-01.73						
1.00	-00.01	-00.46	+00.16	+01.57				
0.20	-00.10	+02.20						
0.05	-00.16	+06.09						

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	+00.34	-00.25						
1.00	+00.31	+00.22	+00.69	+04.27				
0.20	+00.09	+06.29						
0.05	-00.27	+17.43						

Core 3 | **1.Rated ratio 250/ 1**

	15VA; PF0.8							
I / I_N	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.00	-00.53	+02.03						

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Serial No. 05 / 5107802

Fb.No. 201017434/180

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	+00.16						
1.00	-00.03	+00.44	+00.16	+01.61				
0.20	-00.11	+02.59						
0.05	-00.17	+05.61						

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	+00.32	-00.19						
1.00	+00.31	-00.83	+00.69	+03.86				
0.20	+00.11	+04.74						
0.05	-00.26	+15.43						

Core 3 | **1.Rated ratio 250/ 1**

	15VA; PF0.8							
I / I_N	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.00	-00.54	+02.24						

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Serial No. 05 / 5107803

Fb.No. 201017434/180

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	-01.64						
1.00	-00.01	-00.92	+00.16	+01.49				
0.20	-00.10	+02.28						
0.05	-00.16	+06.23						

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	+00.31	+01.34						
1.00	+00.31	+01.03	+00.70	+04.35				
0.20	+00.12	+06.86						
0.05	-00.21	+16.46						

Core 3 **1.Rated ratio 250/ 1**

	15VA; PF0.8							
I / I_N	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]	F [%]	D [min]
1.00	-00.55	+02.18						

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