



IEC 61850 Certificate Level A¹

No. 30530045-Consulting 2005-0555

Issued to:
A. Eberle GmbH & Co. KG
Aalener Straße 30/32
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Germany

For the product:
REG-PE controller with REG-D unit
Software version 2, Revision 9,
Build V7.98 2005-09-13



The product has not shown to be non-conforming to:

IEC 61850-6, 7-1, 7-2, 7-3, 7-4 and 8-1 Communication networks and systems in substations

The conformance test has been performed according to IEC 61850-10 with product's protocol, model and technical issue implementation conformance statements: "IEC 61850 Protocol Implementation Conformance Statement for REGSys® automatic voltage regulators v1.2" and "IEC 61850 Technical Issues Conformance Statement for REGSys® automatic voltage regulators v1.0", and extra information for testing "Protocol implementation extra information for testing (PIXIT) of the IEC 61850 communication interface in REGSys® devices v0.1".

The following IEC 61850 conformance blocks have been tested with a positive result (number of relevant and executed test cases / total number of test cases as defined in the UCA International Users Group Device Test procedures):

1 Basic Exchange (15/23)	12a Direct Control (4/11)
2 Data Sets (2/5)	13 Time Synchronization (3/4)
5 Unbuffered Reports (8/13, without buffer time)	

KEMA grants this Certificate on account of tests performed at the KEMA laboratory in Arnhem, The Netherlands. These tests are performed with UniCASim 61850 version 2.12.01 test system running test suite "61850 Conformance Test v1.17", UniCA 61850 analyzer version 4.11.01. The test is based on the UCA International Users Group Device Test Procedures version 1.1. The results are described in KEMA report: No. 30530045-Consulting 2005-0556.

The tests have been carried out on one single specimen of the above-mentioned products, submitted by A-Eberle. The Certificate does not include an assessment of the manufacturer's production process. Conformity of his production process with the specimen tested by KEMA is not the responsibility of KEMA.

Arnhem, September 13, 2005

S.J.L.M. Janssen
Managing Director KEMA Consulting

R. Schimmel
Certification manager

1 Level A – Independent Test Lab with certified ISO 9000 or ISO 17025 Quality System

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