KONČAR
Končar - Electronics and Informatics Inc.

— Solution for excitation system

EXCITATION SYSTEMS AND DIGITAL VOLTAGE REGULATORS

KONČAR – INEM's excitation systems and digital voltage regulators are state-of-the art products based on tradition and own development with latest industry standards. All of our products are tailor made to fulfill all customer needs, as for all new facilities and also reconstruction of existing.

Static excitation system with digital voltage regulator

Excitation systems product range

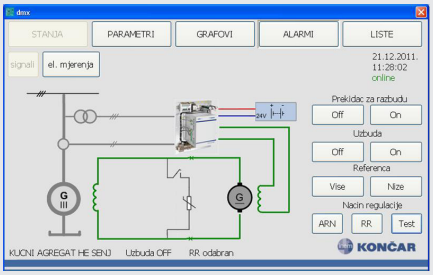
KONreg S1000

DIGITAL VOLTAGE REGULATOR FOR BRUSHLESS GENERATORS AND MOTORS

Main component of KONreg S1000 is the digital voltage regulator with the integrated power converter, based on the IGBT technology.
KONreg S1000 with its compact design solution, small overall dimension and built-in power converter, with relevant communication interfaces and protocols is designed for voltage regulation of synchronous machine with AC rotating exciters and synchronous machine with DC rotating exciters up to 25A (40A, 10s) and 375Vdc.

STATIC EXCITATION SYSTEMS FOR MEDIUM GENERATORS

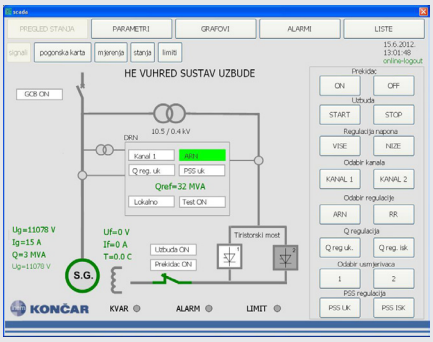
Powerful solution for medium generators



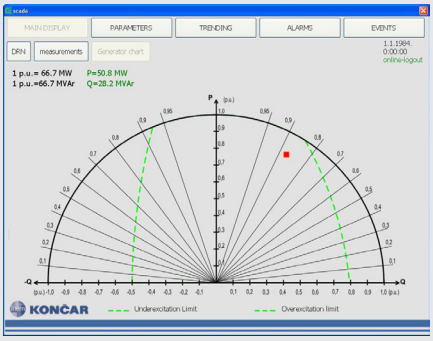
Compact static excitation system with KONreg digital voltage regulator is built around powerful, programmable central processing unit (CPU) that enable the real time execution of the complex control and regulation tasks together with the high speed, accuracy and reliability. Static excitation systems with KONreg in one channel configuration is mostly used for medium size synchronous generators (dual channel configuration is also possible). Also, this kind of excitation system is suitable for the synchronous motor.

STATIC EXCITATION SYSTEM FOR LARGE GENERATORS

Robust, but flexible modular design for large generators



The excitation system control is based on KONČAR microprocessor regulation and control system for electric machines adjusted to the requirements of all kinds of excitation systems. With his robust modular design it is suitable to meet all of demands of large generators. Powerful programmable microprocessor unit is the essence of the system. It enables performance of the complicated control and regulation tasks in real time. It is characterized by high accuracy, reliability and speed. Two channel configuration (redundant configuration) is usually designed for static excitation systems for large synchronous generators such as turbo generators (thermo power plants and nuclear power plants).



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