



POWER AND MORE

DSSE3000 / DSSE6000 Static excitation for three-phase synchronous generators in small power stations

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**This investment will be profitable in
a short period of time!**

DEUTRONIC [®]
elektronik gmbh

Power-Supplies-Electronics • Test- and Measurement Systems • EMC-Lab

EDWANZ group

In cooperation with

Hans
Schwarzenböck
Dipl.-Ing. 



DSSE3000 / DSSE6000

Every manager of a power station knows the typical problems, up to interruption over many days:

- ▶ wear on the exciter
- ▶ high loss in the exciter field
- ▶ pollution by coal dust (fines)
- ▶ high expenditure of servicing
- ▶ high repair and maintenance costs
- ▶ procurement of the suitable types of carbon brush



Here is the solution for your problems - DSSE 3000 or DSSE 6000

The main-shaft-mounted auxiliary generator is replaced by an electronic rectifier excitation with extremely robust MIL components.

This are the advantages:

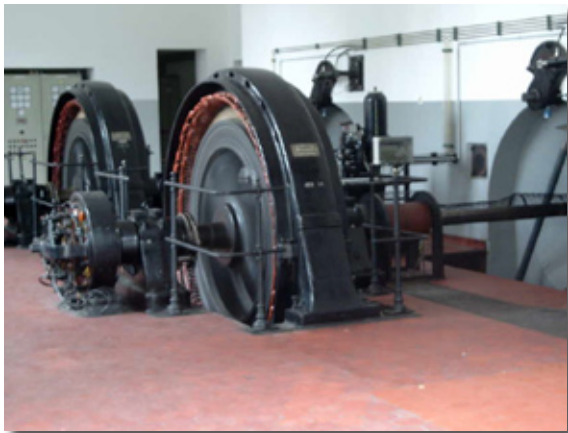
- ▶ no down times for carbon brush change
- ▶ no coal dust (fines)
- ▶ no commutator problems
- ▶ no more remove material by machining

Voltage and $\cos \varphi$ -controller are simply to realize with standard components.

Detailed fault indications are available at the interface of the DSSE 3000/6000.

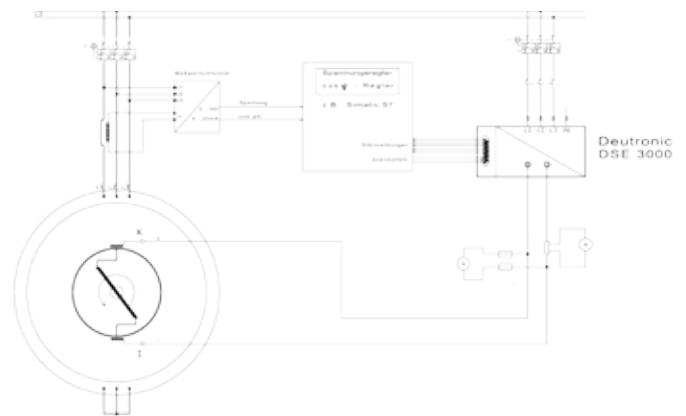


Static excitation for three-phase synchronous generators in small power stations

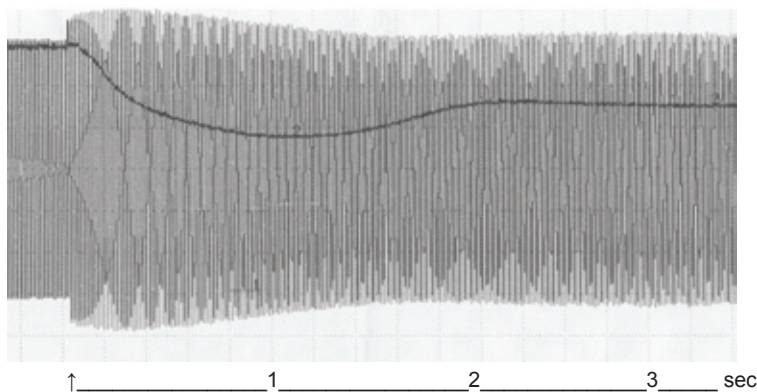


Your advantages:

- ▶ simple mounting
- ▶ low equipment expenditure
- ▶ low investment
- ▶ higher energy gain
- ▶ high efficiency
- ▶ no maintenance
- ▶ no consequential costs
- ▶ high operating reliability by components developed for extreme field conditions.



Your individual solution from one hand –tested in practice and proved.



Generator 1: Voltage shape at load shedding

Advice

- ▶ Service and support for commissioning and incident
- ▶ Engineering of your specific applications



Enquiry

Contact

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To get the best technical solution, the following data are necessary: We need the following data for make an optimal technical solution.

Customer No.: _____

Company _____ Zip-Code, City _____

Name _____ Tel. _____

Dept. _____ Fax _____

Position _____ E-Mail _____

Street _____ Internet _____

Generator:

Manufacturer: _____ Type: _____

Year of construction: _____

Power: _____ kW Voltage: _____ V

Current _____ A $\cos \varphi$ _____ ind. basic speed: _____ rpm

Excitation:

Voltage: _____ V Current: _____ A

Rotor resistance in cold condition: _____ Ω

Mains operation $\cos \varphi = 1$

Field voltage: _____ V Field current: _____ A

Mains operation $\cos \varphi = 0,95$ ind.

Field voltage: _____ V Field current: _____ A
