

Vacuum Tap-Changers

Special edition newsletter from ABB AB, Components

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Dear Colleagues,

We would like to take this opportunity to inform you about the first in a series of vacuum tap-changers from ABB. The product is named VUCG and it is a response to the need for more efficient asset utilization which we have seen in the utility industry over the past few years.

It can be used in transformers of up to approximately 300 MVA, covering the majority of all power transformers manufactured by ABB. Maximum step voltage is 3500 V and maximum load current is 700 A for three phase and single phase network applications, just to mention two important parameters. A product for industry applications will be released during 2009 and the single phase rating will be increased too. Complete technical and marketing material is available on our web site: www.abb.com/electricalcomponents.

VUCG is based on the same design philosophies as our present line of tap-changers regarding low complexity in design and low maintenance costs, features that have made them much appreciated. It also has identical housings and tap-selectors as the UCG line. Only the diverter switch mechanism differs and this means that the unit is completely interchangeable and that no redesign of the transformer is necessary.

Vacuum diverter switch or traditional diverter switch both fit in the same compartment without any modifications.

The first unit was put in service over one year ago and testing, beyond what is stipulated by international standards, has been carried out. This, together with experience from tried and tested technical solutions, have been used to ensure the reliability of the final product.



Since the product was launched mid last year orders have so far been received for a substantial number during 2008, up until now all from external transformer manufacturers.

Our target is to have the ABB vacuum tap-changer included in all quotes **and installed on all** ABB's power transformers whenever this technology is preferred. We hope for your support in making the VUCG a success in the market. So please do not hesitate to contact us or the sales team within Components for further information or quotations.

Best regards



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