

عنوان مقاله:

Design and Construction of a spark gap switch with trigger device

محل انتشار:

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خلاصه مقاله:

High voltage switches capable of operating at high speeds with high current levels are used in a variety of applications in commercial and government systems. In this paper, the spark gap switch suitable for use in pulse power systems will be examined. And a switch will be designed and built that Capable of passing electric current of more than 100 kA. The trigger used to create the discharge in this project uses the working principles of Thyatron. After building the device and preparing the necessary diagnostic systems, the built-in Spark Gap device is ready to be tested. The test considered for the device is a 30 kV capacitor short circuit

کلمات کلیدی:

high voltage switch, trigger generator, spark gap switch, pulsed power applications, Thyatron

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