

Ph. D. Petar Vukelja
Jovan Mrvic
Dejan Hrvic
Electrotechnical Institute "Nikola Tesla", Belgrade
Ph.D. Risto Minovski
Electrotechnical Faculty, Skopje

EFFICIENCY OF OVERVOLTAGE PROTECTION OF 400 V NETWORK

ABSTRACT

This paper presents protection of the loads in 400 V power network with surge arresters of lighting overvoltages. With experiments and calculations it was found that the best protection for loads is positioning surge arresters at measuring-switching box in the building (substation). It is necessary to protect the equipment with sensitive electronic parts with extra protective devices.

Keywords: Overvoltage protection, surge arrester.