

Prayad Boonkham 2008: Internal Lightning Surge Protection for Equipment Control in Industrial. Master of Engineering (Electrical Engineering), Major Field: Electrical Engineering, Department of Electrical Engineering. Thesis Advisor: Mr. Winai Plueksawan, Dr.Ing. 92 pages.

Problem appear in line process of texture plant main main cause from control system failure and suggestion seen day have rain lightning control system shutdown often.

This thesis describes a design of internal lightning protection system for control equipment machine installation by principled equipotent bonding earthing system shielding including selection and installation according standard IEC and IEEE subject surge protective device compare before and after so installed SPD at MDB LP control are production stability.

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