IEEE Recommended Practice For Applying Low-voltage Circuit Breakers Used In Industrial And Commercial Power Systems

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Today, protective devices, including fuses, circuit breakers, relays, and transformers, are used to protect electrical power systems. A fuse improperly applied or used in the wrong application can compromise the effectiveness of overall system protection. The coordination of protective devices is crucial for optimal protection.

IEEE Recommended Practice for Applying Low-Voltage Circuit Breakers is a guide that helps in the selection and application of low-voltage circuit breakers in industrial and commercial power systems. This practice is essential for ensuring the reliability and safety of these systems.

For MV distribution systems, the ANSI method is commonly used for coordinating protective devices. Both classical and IEC methods are also employed, depending on the specific requirements and standards of the system.


In summary, the coordination of protective devices in industrial and commercial power systems is a critical aspect of ensuring system reliability and safety. The use of appropriate practices, such as those provided by IEEE, is essential for effective protection.