The Vacuum Interrupter
Theory, Design, and Application

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This book presents the latest thinking on the theory, design, and application of the modern vacuum interrupter. It reviews what to consider when developing a design for a high-voltage application and illustrates how the proper contact materials and a design analysis are essential for the development of successful vacuum interrupters. The author also details the interruption process for low- and high-current vacuum arcs, explores the phenomenon of contact welding, and discusses the application of vacuum interrupters to switch load currents, circuit breakers, and reclosers. The book includes more than 90 tables, 400 figures, and 850 references to ensure full understanding of the material.

Key Features

- Reviews what the vacuum interrupter designer must consider when developing a design for a high-voltage application
- Illustrates how the proper contact materials and a design analysis are essential for the development of successful vacuum interrupters
- Presents the application of vacuum interrupters to switch load currents, circuit breakers, and reclosers
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