1. Record Nr. UNINA9910830543003321 Autore Liu Jian (Electrical engineer) **Titolo** Fault location and service restoration for electrical distribution systems // Jian Liu [and five others] Singapore:,: Wiley:,: China Electric Power Press,, 2016 Pubbl/distr/stampa ©2016 **ISBN** 1-118-95027-5 1-118-95026-7 Descrizione fisica 1 online resource (314 p.) Disciplina 621.319/130288 Soggetti Electric power systems - Maintenance and repair Electric fault location Electric power distribution Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Title Page; Table of Contents; About the Authors; Preface; 1 Progresses and Prospects for Fault Processing in Distribution Grids; 1.1 Introduction: 1.2 Progresses in Local Intelligence-Based Fault Processing: 1.3 Progresses in Distributed Intelligence-Based Fault Processing; 1.4 Progresses in Centralized Intelligence-Based Fault Processing: 1.5 Progresses in Single-Phase Grounding Fault Processing: 1.6 Prospects; 2 Fault Processing Based on Local Intelligence; 2.1 Introduction; 2.2 Fault Processing Based on Local Intelligence for **Distribution Networks** 2.3 Fault Protection of the Active Distribution Network2.4 Coordination of Multistage Protection in the Distribution Network; 2.5 Summary; 3 Fault Processing Based on Distributed Intelligence; 3.1 Introduction; 3.2 FA based on Recloser and Voltage-Delay Type Sectionalizers; 3.3 Reclosing with the Fast Over-Current Protection Mode; 3.4 Fast Healing Approach based on Neighbor Communication; 3.5 Conclusion and Summary; 4 Fault Processing Based on Centralized Intelligence; 4.1 Introduction; 4.2 Simplified Modeling of Distribution Grids; 4.3 Interphase Short Circuit Fault Location

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