

1. Record Nr.	UNINA9910141808203321
Titolo	IEEE Guide for Protective Relay Applications to Power System Buses // Institute of Electrical and Electronics Engineers
Pubbl/distr/stampa	New York : , : IEEE, , 2009
ISBN	0-7381-6082-2
Descrizione fisica	1 online resource (x, 115 pages) : illustrations
Collana	IEEE Std
Disciplina	621.317
Soggetti	Protective relays
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>Concepts of power bus protection are discussed in this guide. Consideration is given to availability and location of breakers, current transformers, and disconnectors as well as busswitching scenarios, and their impact on the selection and application of bus protection. A number of bus protection schemes are presented; their adequacy, complexity, strengths, and limitations with respect to a variety of bus arrangements are discussed; specific application guidelines are provided. Breaker failure protection is discussed as pertaining to bus protection. Means of securing bus protection schemes against corrupted relay input signals are also included. Keywords: breaker-and-a-half, breaker failure (BF) protection, breaker substitution, buses, check zone, CT saturation, current transformers, differential bus protection, double-bus double-breaker, double-bus single-breaker, dynamic bus replica, electric power substations, high-impedance differential, main bus, partial differential, percentage differential, protective relaying, ring bus, single-bus single-breaker, stub bus, transfer bus, voltage trip supervision, zone-interlocked bus protection.</p>