SIPROTEC relays
Premier protection with less engineering effort

Engineering for relaying systems costs many times more than the purchase price of the relays themselves. The SIPROTEC line of relays from Siemens is designed and built to simplify design and configuration, while reducing ownership costs.

The hardware and firmware design of SIPROTEC relays are proven to stand up to tough substation operating conditions worldwide. Separate design and validation steps provide stable operating systems to minimize in-service firmware upgrades.

Stable firmware process
SIPROTEC relays reduce total ownership cost and engineering effort for firmware upgrades – only one critical firmware upgrade has been required in the past 12 years.

Unmatched reliability
Siemens SIPROTEC protective relays average a 600-year mean time between failures (MTBF), meaning for every 600 relays you own, you can expect one or fewer failures per year. This measurement is the result of over 1.2 million relays installed worldwide, and it includes "out-of-the-box" or "initial" failures.

High reliability measured on more than one million digital relays in service.

Important: SIPROTEC quality data does not exclude "out-of-the-box" or "initial" failures.

Answers for infrastructure and cities.
Stable, easy and powerful software

DIGSI setting software simplifies protection and automation configuration to reduce human performance errors. It also reduces total ownership costs with a historical track record of high-stability and low-upgrade frequency, saving on substation trips and upgrade times.

Export to popular CAD systems reduces errors and cost. Powerful CFC logic enables flexible operating arrangements using digital and analog measurements. Pre-configured logic for single and dual-breaker or breaker-and-a-half bus configurations reduces needed settings for faster setup.

SIGRA fault analysis software provides the most advanced tool for relay engineers to identify fault conditions. Users can view multiple events, calculate system impedances, relay values, and other elements to better understand relay and power system performance.

Easy to upgrade for future applications

- Modular hardware for easy additions and field changes
  - Next time your requirements change, simply adjust your expansion modules for communications, I/O, displays, and fault recording memory.
- Change functions to match changing conditions
  - Load only the functions needed into the relay
  - Add or remove protection elements with drop-and-drag functionality
  - Avoid setting and CPU clutter by eliminating unnecessary protection functions

Pre-loaded resident protection elements can be activated, duplicated or de-activated at any time in the future, without changing firmware.

SIGRA event analysis software provides viewing and calculations for Comtrade event files

For more information, contact
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