



PCS-9830

Switching Controller

The PCS-9830 switching controller is a three-phase control device for circuit breakers. It serves to open or close at specified phase angle on voltage waveform in order to minimize the impulse caused by switching operation. The controlled switching technology significantly eliminates harmful electrical transients upon planned switching, and thereby extending the breakers life time and improving the stability of the entire power system.

Functions

- Phase segregated closing function
- Phase segregated tripping function
- Self-adaptive compensation function
 - Self-adaptive compensation function based on current feedback
 - Self-adaptive compensation function based on voltage feedback
- Characteristic quantities compensation functions
 - Characteristic quantities compensation function based on control circuit voltage
 - Characteristic quantities compensation function based on mechanism's ambient temperature
 - Characteristic quantities compensation function based on idle time
- Current zero-drift automatic calibration function

Features

- Complete self-adaptive compensation function and complete real-time status compensation function are provided.
- Measurement of current and voltage, as well as monitoring of operation status are realized.
- 1024 operation records, 1024 self-check records, and 1024 binary quantity/status change records are provided.
- Software and hardware can be flexibly configured according to applications.
- Elaborate anti-interference assembly design with fully enclosed chassis provides strong resistance to vibration and Electro-Magnetic Interference (EMI).