Function of the DSP motherboard for relay protection

Electric fast transient burst / IEC-61000-4-4 Power, Relay output: Level 4, 4KV. Surge immunity test / IEC-61000-4-5 Relay output: 1.2x50uS, 2KV (0o, 90o, 180o, 270o).

Thus different protection devices are used for Power System Protection out of which numerical relays embedded with digital signal processor (DSP) are able to improve the protection operations ...

Especially Current-Resistance type can meet two kind of different job which is consisted of powerful motor protection during a motor running state and the insulation resistance measurement for a power ...

2. Main Features. Password protection. MCU based digital control. Compact size. Multi-function. Protection: Over current, Under current, Phase loss, Phase Reverse, Locked rotor, Current ...

Electric fast transient burst / IEC-61000-4-4 Power, Relay output: Level 4, 4KV. Surge immunity test / IEC-61000-4-5 Relay output: 1.2x50uS, 2KV (0o, 90o, 180o, ...

It makes use of the concept of "Open System Relaying," where different relay functions may be obtained from fixed fixtures by adjusting an internal computer circuit register. Across the various types of ...

This paper is aimed at proposing a multifunction numerical relay (MNR) for protection against over-current, over- and under-voltage and over- and under-frequency.

This paper presents a relay protection device, which is based on the DSP technique. Because of high-speed and high performance of the DSP processor, the complicated filter and analysis algorithm can ...

Microprocessor-based protective relays have revolutionized power system protection by replacing traditional electromechanical and solid-state relays. These relays utilize Digital Signal ...

In this paper, a microcomputer protection device based on the TMS320F28335 chip is developed. Considering the anti-interference of field use, detailed hardware and software design is ...

View online or download Samwha dsp DSP-VIP-PM Motor Protection Manual.

This paper describes the performance evaluation of protective relay using DSP, TMS320F2812 for overcurrent protection. Results clearly indicate that the operation time obtained for both ...

In this paper, a microcomputer protection device based on the TMS320F28335 chip is developed. Considering

the anti-interference of field use, ...

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