

# 5kW Relay Protection Device Model



## AI Overview

Key 5kW relay protector models include Siemens SIPROTEC 5, Schneider Electric MiCOM and VAMP series, Eaton E-Series, and Sertec CO/SC relays. Siemens SIPROTEC 5 Series SIPROTEC 5 devices are high-performance digital protection relays suitable for power generation, transmission, and distribution networks. They offer modular hardware and software, extensive cybersecurity features, and support for PMU functionality and IEC 61850 communication. Typical applications include generator, transformer, and busbar protection in systems up to several kW, including 5kW circuits. Schneider Electric Relays MiCOM P11x Series: Self or dual-powered three-phase and ground fault overcurrent relays (P115, P116) suitable for medium voltage applications. PowerLogic P3, P5, P7 Series: Protection relays for motors, generators, busbars, and transformers, supporting arc flash protection and Ethernet communication. VAMP Series (VAMP 120, 121, 221, 321): Arc flash detection and protection relays for MV and LV enclosures, providing ultra-fast response and flexible configuration. ECOFIT 50/51: Single-phase or ground time overcurrent relays, ideal for retrofit applications. Eaton E-Series EBR-3000 and EMR-3MP0: Relays designed for generator and distribution system protection, capable of primary or backup protection. They offer flexible programming and multi-core processing for complex protection schemes. Sertec Relays CO-5, CO-9, CO-9 HILO: Single-phase overcurrent relays with adjustable time units and instantaneous units. CV-2: Single-phase undervoltage relay with adjustable range. CR-6: Definite time, directional overcurrent relay for single-phase applications. SC Series: Instantaneous overcurrent relays with adjustable ranges and mechanical operation indicators. Summary These relay models from Siemens, Schneider Electric, Eaton, and Sertec cover a wide range of 5kW protection applications, including generator, transformer, busbar, and motor protection. Selection depends on system voltage, communication requirements, an...

## Article Content

### Motor protection and control

ABB's motor protection and control offering delivers the certainty of consistent quality and performance.

### Protection relays

Numerical relays are based on the use of microprocessors. Numeric relays are programmable. Most numerical relays are also multi-functional.

### Reference Manual Protection Equipment

If motor protection is required on the outgoing side of the frequency converter, Siemens recommends the 3RN thermistor motor protection devices or the 3RU11 thermal overload relays for this purpose.

### SIPROTEC 5 Compact Catalog

Editorial We are proud to show you the new SIPROTEC 5 Compact device – a universal SIPROTEC protection device with clear focus on medium voltage, industrial and infrastructure applications, but

### PowerLogic™ P5 Protection Relays | Schneider Electric

Medium Voltage protection relays with a focus on safety and cyber security. Easy to use for panel builders, system integrators and end users. From overcurrent to

### SIPROTEC 5

Powerful protection functions ensure the safety of equipment and staff Individually configurable devices save money on the initial investment and on spare-parts storage, maintenance, extension, and

### 193-BR029E-EN-P\_WEB

The 857 medium/high-voltage motor and feeder protection relay contains the essential protection functions needed to protect feeders, and motors in distribution networks of utilities, heavy industries,

### HighPROTEC Line

The HighPROTEC product range from SEG Electronics GmbH is an outstanding solution for reliable protection in the areas of power generation and power distribution. The user-friendly protection

### Circuit Protection, Fuses, Power Control & Sensing

### Circuit Protection, Fuses, Power Control & Sensing Solutions - Littelfuse

### PowerLogic P5 Catalog | Schneider Electric

This document presents the PowerLogic P5 range of network protection and control relays designed for demanding applications in electrical distribution networks.

Motor Protection Relay | Schneider Electric India

Schneider Electric India. Discover our range of products in Motor Protection relays that help in preventing damage to the electrical motor, such as internal faults in

Selection Guide for SIPROTEC and Reyrolle

For this purpose, SIPROTEC 5 is equipped with extensive functionalities and device types. With the holistic and consistent engineering tool DIGSI 5, a solution has

Power System Protective Relays: Principles & Practices

Abstract: Protective relays and devices have been developed over 100 years ago to provide “last line” of defense for the electrical systems. They are intended to quickly identify a fault and isolate it so the

Protective relays and predictive devices | Eaton

Eaton's protective relays provide you with unique microprocessor-based devices that eliminate unnecessary trips, isolate faults, protect motors and breakers, and

SIPROTEC 5 Catalog

Introduction The Benchmark for Protection, Automation, and Monitoring The SIPROTEC 5 series is based on the long-term field experience of the SIPROTEC device series and has specifically been

Protection relay selection table

Protection relay selection table Please note before using selection table! number = Number of stages, shots, X = Function supported inputs or outputs O = Function available as option

710-5\_DS\_20240826

The SEL-710-5 protection and control features depend on the model selected. The models are configured with current/voltage input cards on Slot Z and specific option cards on Slot E in the relay.

E-series protective relays

Motor relays provide complete and reliable motor protection for any size motor at different voltage levels, including diagnostics, monitoring and starting control functions.

SIPROTEC 5

SIPROTEC 5 sets new standards in cost savings and availability with its innovative modular structure and flexible hardware, software, and communication. SIPROTEC 5 provides a perfectly tailored fit for

Protection Relays | Medium & high voltage power

Discover protection relays for generators, motors, transformers, feeders and busbars, designed for reliable and efficient power system protection.

Motor Overload Setting Table: 3 Phase Chart

This guide explains everything about overload settings, how to read a motor overload setting table, how to size overload protection, and how to

Reliable 3 Phase Supply Monitoring Relays for Any

Keep your equipment running smoothly with our reliable 3 phase supply monitoring relays. Our range includes phase failure relay and more.

Thermal overload relays

Thermal overload relays. Thermal overload relays are economic electromechanical protection devices for the main circuit. They offer reliable protection for motors in

SIPROTEC Protection Relays | Siemens

Siemens' universal protection relays portfolio includes products such as SIPROTEC 7SX800 and 7SX85 to provide flexibility and cost savings. Our

## Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://shangases.co.za>

Email: [ekomedsolar@gmail.com](mailto:ekomedsolar@gmail.com)

Phone: +86 13816583346

Address: No. 26 Heshun Middle Road, Economic Development Zone, Hai'an City, Jiangsu Province, China

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