

How much does an overcurrent relay protector cost

Article Overview

Overcurrent protection relays typically range from around \$100 for basic models to several thousand dollars for advanced digital or microprocessor-based relays.

Price Range

The cost of an overcurrent relay depends on its type, features, and application:

- o Basic Electromechanical Relays: Simple overcurrent relays with limited functions can start at \$100-\$300 .
- o Digital or Microprocessor-Based Relays: Advanced relays, such as the NR Series or Schneider Electric MiCOM and VAMP series, designed for medium to high-voltage networks, substations, or industrial switchgear, can cost \$500 to several thousand dollars depending on the number of protection functions, communication capabilities, and voltage rating .
- o Specialized Relays: Relays for motor protection, transformer differential protection, or railway applications may be priced higher due to additional features and certifications .

Factors Affecting Price

- o Type of Relay: Instantaneous, definite time, inverse time, or multifunctional relays have different costs .
- o Voltage and Current Rating: Relays for high-voltage or high-current systems are more expensive.
- o Protection Features: Relays with multiple protection functions (overcurrent, earth fault, voltage, frequency) cost more.
- o Brand and Manufacturer: Well-known brands like Schneider Electric, GEYA, or VAMP typically command higher prices due to reliability and support .
- o Digital vs Electromechanical: Digital relays offer precise settings, communication interfaces, and advanced monitoring, which increases cost compared to traditional electromechanical relays .

Conclusion

For budgeting purposes, expect to pay at least \$100 for a basic overcurrent relay, while industrial-grade digital relays can range from \$500 to over \$3,000 depending on complexity and application. Consulting with a supplier or electrical engineer can help select the most cost-effective relay for your specific system needs .

Find your over-current protection relay easily amongst the 111 products from the leading brands (ABB, SIEMENS, Ingeteam, ...) on



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Overcurrent Relay - These function like sophisticated circuit breakers. They detect excess current and tell a breaker to open. They

Get the best deals on Overcurrent Protection Relays when you shop the largest online selection at eBay.com. Free shipping on

OVERCURRENT PROTECTION FUNDAMENTALS Relay protection against high current was the earliest relay protection

Numerical relays are based on the use of microprocessors. The first numerical relays were released in 1985. A big difference

The overcurrent relay REJ 523 is a secondary relay which is connected to the current transformers of the object to be protected. The

For most home and light-industrial projects, unit costs range from a few dollars to a few dozen dollars, with higher

The SEL-751 Feeder Protection Relay is ideal for directional overcurrent, fault location, arc-flash detection, and high-impedance fault

Learn about the most common types of overcurrent relays used in power systems, their pros and cons, and how they are coordinated

CO relays, a complete coordinated line, assure accurate and reliable primary or backup protection against phase or ground faults.

TE offers types of protective relays from overcurrent relays to safety relays that trips a circuit breaker when

Discover the principles, functions, and key applications of overcurrent relays, essential for

Blackt Electrotech BT06VP 230V AC Digital Voltage and Current Protection Relay - 1-63A Single Phase - Adjustable Over Under

The relay is an essential component in many electrical systems and appliances. It acts as an electrically operated

Overcurrent protection relay for electric motors, AC/DC current monitoring, low price starting roughly \$0.99, minimum

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The SIPROTEC 7SX82 universal protection device covers most tasks in medium voltage and distribution grids. Tailor its functionality

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