Fault Relay Protection Device Price



Overview

Protection Relays | Medium & high voltage power system protectionDiscover protection relays for generators, motors, transformers, feeders and busbars, desi.

Key Takeaways

Fault relay protection devices typically range from $200 to over $5,000 depending on type, voltage rating, and functionality.

Price Overview

The cost of a fault relay protection device varies widely based on its type, application, and manufacturer: Basic overcurrent or ground fault relays for low- to medium-voltage systems can start around $200–$500. These are often used for simple feeder or motor protection and are available from suppliers like DigiKey. Medium-voltage multifunctional relays with overcurrent, voltage, and frequency protection, such as the DEIF MVR-200 series, typically range from $1,000 to $3,000 depending on features and communication capabilities.

High-end modular relays for high-voltage lines, like Siemens SIPROTEC 7SA87 or 7SL86, which provide distance, differential, and line protection, can cost $3,000 to $5,000 or more per unit, especially when including advanced monitoring, flexible I/O, and conformal coating for harsh environments. Specialized arc protection relays, such as Schneider Electric PowerLogic A3, may also fall in the $1,500–$4,000 range depending on the number of sensors and control points. Programmable numerical relays from ABB or similar brands, which offer multifunctional protection and automation capabilities, are generally priced between $1,000 and $4,500, depending on the number of protection functions and system integration options.

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Factors Affecting Price

Voltage Level: Higher voltage systems require more sophisticated relays, increasing cost. Functionality: Devices with multiple protection functions (overcurrent, differential, distance, arc flash) are more expensive. Brand and Certification: Established brands like Siemens, ABB, and Schneider Electric often command higher prices due to reliability and compliance with international standards.

Communication and Monitoring: Relays with advanced communication protocols (Modbus, IEC 61850) and diagnostic features cost more. Environmental Protection: Devices with conformal coating or ruggedized designs for extreme conditions are priced higher.

Purchasing Tips

Compare suppliers like DigiKey, Siemens, ABB, and Schneider Electric for availability and lead times. Consider future expandability and integration with SCADA or automation systems. Check for warranty and support, as high-voltage relays are critical for system safety.

In summary, fault relay protection devices range from a few hundred dollars for basic models to several thousand dollars for high-end, multifunctional, or high-voltage relays, with the final price depending on system requirements and features.

Article Content

Protection Relays | Medium & high voltage power system protection

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

earth fault relay Price

Comparing earth fault relay prices. You can easily wholesale quality earth fault relay at wholesale prices on Made-in-China .

RELAY > Earth Fault Relay

Prok dv''s make Definite Time / Instantaneous Static Earth Fault Relay (EFR) is a current sensing device which is tropicalised, professionally designed and tested for protection of Generators, Transformers

SIPROTEC Protection Relays | Siemens

Siemens'' universal protection relays portfolio includes products such as SIPROTEC 7SX800 and 7SX85 to provide flexibility and cost savings. Our devices cover a wide range of

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Industrial Automation and Controls | Protection Relays

Shop DigiKey''s large in-stock selection of Protection Relays & Systems. View inventory, pricing and order now for same day shipping!

Earth fault relay

Find reliable earth fault relays for power substations and electrical circuits. Wholesale options available. Shop high-performance protection solutions now.

Protection relays

Numerical relays are based on the use of microprocessors. The first numerical relays were released in 1985. A big difference between conventional electromechanical and static relays is how the relays

Ground Fault Protection

Ground fault protection or monitoring from 30mA to 30A Used at all levels of an installation: power distribution, industrial control and final distribution, as well as with a variety of OEM equipment.

Earth Fault Relay Price: Best Deals in 2025

Find the best earth fault relay price with verified suppliers. Compare unit costs, MOQs, and features. Click to explore top-rated options for industrial & residential protection.

Protective relays for mains protection | Phoenix Contact

Our comprehensive portfolio of protection technology enables reliable grid availability in the voltage ranges of 10 kV to 110 kV. The protective and control devices can be used in, for example, single and

I-gard | I-Gard Ground Fault Protection, Power Resistors and Relays

Inherently committed to ELECTRICAL SAFETY, I-Gard is providing its customers with ground fault and arc flash solutions to PROTECT THEIR PEOPLE, THEIR EQUIPMENT and ultimately, THEIR

SEL-487E Transformer Protection Relay | Schweitzer Engineering

Provides comprehensive protection, metering, monitoring, and automation of power transformer applications with up to five 3-phase restraint current inputs, two 3-phase voltage inputs, and three

Electric Relays and Protection Relays by Application

Overcurrent protection can be utilized for primary protection, and even as a backup in the cases of earth fault protection and phase overcurrent. Definite time,

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Reyrolle protection relays

The comprehensive range of Reyrolle products provides the total protection requirements of distribution markets and industrial applications – ranging from overcurrent protection via transformer protection

Protection Relays by Range

Compact Overcurrent and Earth Fault Protection Relays Part of PowerLogic. PowerLogic™ P1 relays are compact and cost-effective protection solution for

Restricted Earth fault Relay : IRI1-ER

FEATURES Static protective device Single-phase current measuring (IRIl-ER) as zero-current differential protection (restricted earth fault 64 REF) Three-phase current measuring (IRl''l-3ER) as phase-current

Relay Protection Device Reliability Assessment Through Radiation, Fault ...

Relay protection devices must operate continuously throughout the year without anomalies. With the integration of advanced technology and process chips in secondary equipment,

Understanding ground-fault protective devices

Ground-fault protective devices—known variously as residual-current devices (RCD), earth leakage circuit breakers (ELCB), ground-fault equipment, protectors (GFEP), or ground-fault circuit

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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