Price of Signal Relay Protection Devices



Overview

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Key Takeaways

Signal relay protection devices typically range from a few dollars for low-power signal relays to several thousand dollars for industrial or medium-voltage protection relays.

Low-

Power Signal Relays

Signal relays designed for low-current applications (milliwatts to a few watts) are commonly used in industrial devices, testing equipment, and control circuits. Prices for these relays generally start at $2–$20 per unit, depending on the brand, contact configuration (SPST, SPDT, DPDT), and switching speed. Suppliers like ATO.com and TE Connectivity offer compact, electromechanical relays with low coil power consumption and high reliability for small signal loads.

Bulk purchases or quantity discounts can further reduce the per-unit cost.

Medium-



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Voltage and Industrial Protection RelaysProtection relays for medium-voltage grids, such as Siemens SIPROTEC series, are designed for line, feeder, and motor protection in utility and industrial applications. These devices are modular, programmable, and feature fast tripping times (as low as 9–19 ms). Prices for these advanced protection relays typically range from $1,000 to $5,000 or more per unit, depending on the model, functionality, and optional features like differential protection, distance protection, or digital substation integration.

The cost can also vary based on software tools (e.g., DIGSI 5) and configuration options.

Factors Affecting Price

Type of Relay: Electromechanical, solid-state, or hybrid relays have different costs due to materials and operational lifespan. Voltage and Current Rating: Higher voltage or current handling relays are more expensive. Functionality: Protection relays with advanced features like selective tripping, line differential, or power quality monitoring cost more.

Brand and Supplier: Established brands like Siemens, ABB, and TE Connectivity often command higher prices due to reliability and support. Quantity and Customization: Bulk orders or customized specifications can influence pricing, with discounts often available for larger quantities. SummaryLow-power signal relays: $2–$20 per unitIndustrial/medium-voltage protection relays: $1,000–$5,000+ per unitPrices vary based on type, application, brand, and quantity.

For precise quotations, contacting suppliers directly is recommended, especially for customized or high-voltage protection devices.

Article Content

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Types relay protection devices

Discover reliable, high-performance types relay protection devices designed for precision and durability. Enhance control systems with advanced features and exceptional efficiency.

Signal Relays for Load Switching | TE Connectivity

Our portfolio of cost-effective, reliable RF relays and withstand extreme shock, vibration, temperature and altitude. In escalators and elevators, our signal relays switch low signals (non-safety) and are

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Signal Relays Price List

The price of signal relays can vary widely depending on several factors, including the type, brand, specifications, and quantity you need. In this article, ATO industrial automation will list

Industrial Automation and Controls | Protection Relays

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Signal Relays | Newark Electronics

Signal relays from Newark provide efficient switching for low-current, low-voltage signals. These relays are engineered to offer high sensitivity and fast switching speeds, making them ideal for

Relays, Power & Electromagnetic Switches | Latch

Shop Relays at RS for Wide Range of Safety, Timer, Latch & SPDT Relays from Trusted Brands like TE Connectivity, Omron & RS PRO with Fast Delivery.

Price for Protection Relays

Find reliable price for protection relay. Shop our selection of industrial-grade relays. Perfect for generator protection and transmission equipment. Buy now!

Relay Covers | RS

Relay covers are types of electrical equipment used to protect relays from the environment. They keep relays dry and well ventilated.

Signal Relays | McMaster-Carr

Choose from our selection of signal relays, including DIN-rail mount interface relays, spade-terminal relays, and more. Same and Next Day Delivery.

SIPROTEC Protection Relays | Siemens

SIPROTEC: Multifunctional protection relays Experience the benchmark in grid protection, automation, and monitoring! SIPROTEC 5, built on

Reyrolle protection relays

Reyrolle products from Siemens provide total protection for distribution markets & industrial applications. Meet all your protection requirements reliably.

Protection relay testing device, Protection relay test

Find your protection relay testing device easily amongst the 72 products from the leading brands (Lumibird, SIEMENS, Huazheng, ...) on DirectIndustry, the

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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

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Protection Relays by Range

What are Protection Relays? Protection relays are the silent guardians of your electrical grid. They act as intelligent monitors, constantly analysing current,

Amazon Best Sellers: Best Electrical Relays

Discover the best Electrical Relays in Best Sellers. Find the top 100 most popular items in Amazon Industrial & Scientific Best Sellers.

Safety Control Relays | Safety Relay Switch

Outputs of safety relays are often used in a daisy-chain configuration, connecting through all safety devices like emergency stop buttons and palm buttons. This setup ensures comprehensive

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

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