

# Global Industrial-grade Solid State Relay Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Industrial-grade Solid State Relay market size is expected to reach \$ 613 million by 2032, rising at a market growth of 5.4% CAGR during the forecast period (2026-2032).

In 2024, global Industrial-grade Solid State Relay production reached approximately 26.22 million units , with an average global market price of around US\$ 15 per unit. The Industrial-grade Solid State Relay is a contactless electronic switch that achieves electrical isolation and signal transmission through semiconductor devices. It features high reliability and strong anti-interference, suitable for on-off switching of various circuits in industrial control fields.

As industrial automation and digitalization continue to advance, the demand for industrial-grade solid-state relays is poised to grow. Technological advancements are set to enhance the performance of these relays, including the integration of communication interfaces, improved diagnostic capabilities, and quicker response times, which will boost the profitability of manufacturers. To maintain competitiveness, companies will focus on reducing production costs through process optimization, material efficiency, and economies of scale. Adhering to stricter energy efficiency and safety standards will be a key trend, as will be the provision of customized solutions that integrate with other industrial components. The expansion of the global market will present new growth opportunities for companies to tap into international markets. Strategic partnerships with other industrial equipment manufacturers and software developers may lead to new business models and revenue streams. In the context of smart manufacturing, there will be an increased demand for solid-state relays that can integrate with IoT devices and provide real-time monitoring and control. A focus on energy efficiency, environmental sustainability, and the longevity and reliability of the

relays will be crucial as they are often used in critical industrial applications where downtime is not an option. Overall, the industrial-grade solid-state relay industry is evolving towards high efficiency, reliability, and sustainability, offering enterprises a broad profit margin.

This report studies the global Industrial-grade Solid State Relay production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Industrial-grade Solid State Relay and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Industrial-grade Solid State Relay that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Industrial-grade Solid State Relay total production and demand, 2021-2032, (K Units)

Global Industrial-grade Solid State Relay total production value, 2021-2032, (USD Million)

Global Industrial-grade Solid State Relay production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Industrial-grade Solid State Relay consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Industrial-grade Solid State Relay domestic production, consumption, key domestic manufacturers and share

Global Industrial-grade Solid State Relay production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Industrial-grade Solid State Relay production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Industrial-grade Solid State Relay production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Industrial-grade Solid State Relay market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include ABB, Eaton, Mitsubishi Electric, Fuji Electric, Panasonic, Crydom, OMRON, Carlo Gavazzi, TE Connectivity, Celduc, etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Industrial-grade Solid State Relay market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Industrial-grade Solid State Relay Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Industrial-grade Solid State Relay Market, Segmentation by Type:

AC SSR

DC SSR

## Global Industrial-grade Solid State Relay Market, Segmentation by Rated Current:

Low-current Solid State Relay

Medium-current Solid State Relay

High-current Solid State Relay

## Global Industrial-grade Solid State Relay Market, Segmentation by Package Type:

Single-phase Solid State Relay

Three-phase Solid State Relay

## Global Industrial-grade Solid State Relay Market, Segmentation by Application:

Food

Plastics

Semiconductor

Electroplating

Others

## Companies Profiled:

ABB

Eaton

Mitsubishi Electric

Fuji Electric

Panasonic

Crydom

OMRON

Carlo Gavazzi

TE Connectivity

Celduc

Toshiba

Schneider

Siemens

Rockwell Automation

OPTO22

Vishay

Broadcom

Jiangsu Gold Electrical Control Technology

Toward Technologies

Wuxi Tianhao Electron

Shaanxi Qunli Electric

Zhejiang Meiger Electronic Appliance

DELIXI Electric

Xiamen Hongfa Automotive Electronics

## Zhejiang Chint Electrics

### **Key Questions Answered:**

1. How big is the global Industrial-grade Solid State Relay market?
2. What is the demand of the global Industrial-grade Solid State Relay market?
3. What is the year over year growth of the global Industrial-grade Solid State Relay market?
4. What is the production and production value of the global Industrial-grade Solid State Relay market?
5. Who are the key producers in the global Industrial-grade Solid State Relay market?
6. What are the growth factors driving the market demand?

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