

# Global Single Phase Solid State Relays Market Research Report 2025(Status and Outlook)

<https://marketpublishers.com/r/G38B985EE2F1EN.html>

Date: October 2025

Pages: 158

Price: US\$ 3,200.00 (Single User License)

ID: G38B985EE2F1EN

## Abstracts

### Report Overview

Solid state relay is a semiconductor device instead of the traditional electrical contact as a switching device with relay characteristics of non-contact switching devices, single-phase SSR is a four-terminal active device, where the two input control terminals, two outputs, input and output between the optical isolation, the input plus DC or pulse signal to a certain current value, the output can be changed from the broken state to the pass state.

The global Single Phase Solid State Relays market size was estimated at USD 1250.6 million in 2024 and is projected to grow at a compound annual growth rate (CAGR) of 6.80% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global Single Phase Solid State Relays market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global Single Phase Solid State Relays market. It offers detailed profiles of major players, including

their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the Single Phase Solid State Relays market

## **Global Single Phase Solid State Relays Market: Market Segmentation Analysis**

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

### **Key Company**

Omron  
Watlow Electric  
DOLD  
Celduc Relais  
Autonics Corporation  
Jel System  
Chordn Electric  
Sensata Technologies  
Eurotherm  
Carlo Gavazzi  
Keysolu  
RELPOL  
ELCO

Ascon Technologic  
Durex Industries

### **Market Segmentation (by Type)**

AC Solid State Relay  
DC Solid State Relay

### **Market Segmentation (by Application)**

Industrial Automation  
Building Automation  
Home Appliances  
Others

### **Geographic Segmentation**

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

### **Key Benefits of This Market Research:**

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Single Phase Solid State Relays Market

Overview of the regional outlook of the Single Phase Solid State Relays Market.

### **Customization of the Report**

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

### **Chapter Outline**

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Single Phase Solid State Relays Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of Single Phase Solid State Relays, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

### **Key Reasons to Buy this Report:**

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

## **Customization of the Report**

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

## Contents

### **1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE**

- 1.1 Market Definition and Statistical Scope of Single Phase Solid State Relays
- 1.2 Key Market Segments
  - 1.2.1 Single Phase Solid State Relays Segment by Type
  - 1.2.2 Single Phase Solid State Relays Segment by Application
- 1.3 Methodology & Sources of Information
  - 1.3.1 Research Methodology
  - 1.3.2 Research Process
  - 1.3.3 Market Breakdown and Data Triangulation
  - 1.3.4 Base Year
  - 1.3.5 Report Assumptions & Caveats

### **2 SINGLE PHASE SOLID STATE RELAYS MARKET OVERVIEW**

- 2.1 Global Market Overview
  - 2.1.1 Global Single Phase Solid State Relays Market Size (M USD) Estimates and Forecasts (2020-2033)
  - 2.1.2 Global Single Phase Solid State Relays Sales Estimates and Forecasts (2020-2033)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

### **3 SINGLE PHASE SOLID STATE RELAYS MARKET COMPETITIVE LANDSCAPE**

- 3.1 Company Assessment Quadrant
- 3.2 Global Single Phase Solid State Relays Product Life Cycle
- 3.3 Global Single Phase Solid State Relays Sales by Manufacturers (2020-2025)
- 3.4 Global Single Phase Solid State Relays Revenue Market Share by Manufacturers (2020-2025)
- 3.5 Single Phase Solid State Relays Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.6 Global Single Phase Solid State Relays Average Price by Manufacturers (2020-2025)
- 3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types
- 3.8 Single Phase Solid State Relays Market Competitive Situation and Trends
  - 3.8.1 Single Phase Solid State Relays Market Concentration Rate

3.8.2 Global 5 and 10 Largest Single Phase Solid State Relays Players Market Share by Revenue

3.8.3 Mergers & Acquisitions, Expansion

## **4 SINGLE PHASE SOLID STATE RELAYS INDUSTRY CHAIN ANALYSIS**

4.1 Single Phase Solid State Relays Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

## **5 THE DEVELOPMENT AND DYNAMICS OF SINGLE PHASE SOLID STATE RELAYS MARKET**

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Industry News

5.4.1 New Product Developments

5.4.2 Mergers & Acquisitions

5.4.3 Expansions

5.4.4 Collaboration/Supply Contracts

5.5 PEST Analysis

5.5.1 Industry Policies Analysis

5.5.2 Economic Environment Analysis

5.5.3 Social Environment Analysis

5.5.4 Technological Environment Analysis

5.6 Global Single Phase Solid State Relays Market Porter's Five Forces Analysis

5.6.1 Global Trade Frictions

5.6.2 U.S. Tariff Policy ? April 2025

5.6.3 Global Trade Frictions and Their Impacts to Single Phase Solid State Relays Market

5.7 ESG Ratings of Leading Companies

## **6 SINGLE PHASE SOLID STATE RELAYS MARKET SEGMENTATION BY TYPE**

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global Single Phase Solid State Relays Sales Market Share by Type (2020-2025)

6.3 Global Single Phase Solid State Relays Market Size Market Share by Type

(2020-2025)

6.4 Global Single Phase Solid State Relays Price by Type (2020-2025)

## **7 SINGLE PHASE SOLID STATE RELAYS MARKET SEGMENTATION BY APPLICATION**

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global Single Phase Solid State Relays Market Sales by Application (2020-2025)

7.3 Global Single Phase Solid State Relays Market Size (M USD) by Application (2020-2025)

7.4 Global Single Phase Solid State Relays Sales Growth Rate by Application (2020-2025)

## **8 SINGLE PHASE SOLID STATE RELAYS MARKET SALES BY REGION**

8.1 Global Single Phase Solid State Relays Sales by Region

8.1.1 Global Single Phase Solid State Relays Sales by Region

8.1.2 Global Single Phase Solid State Relays Sales Market Share by Region

8.2 Global Single Phase Solid State Relays Market Size by Region

8.2.1 Global Single Phase Solid State Relays Market Size by Region

8.2.2 Global Single Phase Solid State Relays Market Size Market Share by Region

8.3 North America

8.3.1 North America Single Phase Solid State Relays Sales by Country

8.3.2 North America Single Phase Solid State Relays Market Size by Country

8.3.3 U.S. Market Overview

8.3.4 Canada Market Overview

8.3.5 Mexico Market Overview

8.4 Europe

8.4.1 Europe Single Phase Solid State Relays Sales by Country

8.4.2 Europe Single Phase Solid State Relays Market Size by Country

8.4.3 Germany Market Overview

8.4.4 France Market Overview

8.4.5 U.K. Market Overview

8.4.6 Italy Market Overview

8.4.7 Spain Market Overview

8.5 Asia Pacific

8.5.1 Asia Pacific Single Phase Solid State Relays Sales by Region

8.5.2 Asia Pacific Single Phase Solid State Relays Market Size by Region

8.5.3 China Market Overview

- 8.5.4 Japan Market Overview
- 8.5.5 South Korea Market Overview
- 8.5.6 India Market Overview
- 8.5.7 Southeast Asia Market Overview
- 8.6 South America
  - 8.6.1 South America Single Phase Solid State Relays Sales by Country
  - 8.6.2 South America Single Phase Solid State Relays Market Size by Country
  - 8.6.3 Brazil Market Overview
  - 8.6.4 Argentina Market Overview
  - 8.6.5 Columbia Market Overview
- 8.7 Middle East and Africa
  - 8.7.1 Middle East and Africa Single Phase Solid State Relays Sales by Region
  - 8.7.2 Middle East and Africa Single Phase Solid State Relays Market Size by Region
  - 8.7.3 Saudi Arabia Market Overview
  - 8.7.4 UAE Market Overview
  - 8.7.5 Egypt Market Overview
  - 8.7.6 Nigeria Market Overview
  - 8.7.7 South Africa Market Overview

## **9 SINGLE PHASE SOLID STATE RELAYS MARKET PRODUCTION BY REGION**

- 9.1 Global Production of Single Phase Solid State Relays by Region(2020-2025)
- 9.2 Global Single Phase Solid State Relays Revenue Market Share by Region (2020-2025)
- 9.3 Global Single Phase Solid State Relays Production, Revenue, Price and Gross Margin (2020-2025)
- 9.4 North America Single Phase Solid State Relays Production
  - 9.4.1 North America Single Phase Solid State Relays Production Growth Rate (2020-2025)
  - 9.4.2 North America Single Phase Solid State Relays Production, Revenue, Price and Gross Margin (2020-2025)
- 9.5 Europe Single Phase Solid State Relays Production
  - 9.5.1 Europe Single Phase Solid State Relays Production Growth Rate (2020-2025)
  - 9.5.2 Europe Single Phase Solid State Relays Production, Revenue, Price and Gross Margin (2020-2025)
- 9.6 Japan Single Phase Solid State Relays Production (2020-2025)
  - 9.6.1 Japan Single Phase Solid State Relays Production Growth Rate (2020-2025)
  - 9.6.2 Japan Single Phase Solid State Relays Production, Revenue, Price and Gross Margin (2020-2025)

## 9.7 China Single Phase Solid State Relays Production (2020-2025)

### 9.7.1 China Single Phase Solid State Relays Production Growth Rate (2020-2025)

### 9.7.2 China Single Phase Solid State Relays Production, Revenue, Price and Gross Margin (2020-2025)

## 10 KEY COMPANIES PROFILE

### 10.1 Omron

#### 10.1.1 Omron Basic Information

#### 10.1.2 Omron Single Phase Solid State Relays Product Overview

#### 10.1.3 Omron Single Phase Solid State Relays Product Market Performance

#### 10.1.4 Omron Business Overview

#### 10.1.5 Omron SWOT Analysis

#### 10.1.6 Omron Recent Developments

### 10.2 Watlow Electric

#### 10.2.1 Watlow Electric Basic Information

#### 10.2.2 Watlow Electric Single Phase Solid State Relays Product Overview

#### 10.2.3 Watlow Electric Single Phase Solid State Relays Product Market Performance

#### 10.2.4 Watlow Electric Business Overview

#### 10.2.5 Watlow Electric SWOT Analysis

#### 10.2.6 Watlow Electric Recent Developments

### 10.3 DOLD

#### 10.3.1 DOLD Basic Information

#### 10.3.2 DOLD Single Phase Solid State Relays Product Overview

#### 10.3.3 DOLD Single Phase Solid State Relays Product Market Performance

#### 10.3.4 DOLD Business Overview

#### 10.3.5 DOLD SWOT Analysis

#### 10.3.6 DOLD Recent Developments

### 10.4 Celduc Relais

#### 10.4.1 Celduc Relais Basic Information

#### 10.4.2 Celduc Relais Single Phase Solid State Relays Product Overview

#### 10.4.3 Celduc Relais Single Phase Solid State Relays Product Market Performance

#### 10.4.4 Celduc Relais Business Overview

#### 10.4.5 Celduc Relais Recent Developments

### 10.5 Autonics Corporation

#### 10.5.1 Autonics Corporation Basic Information

#### 10.5.2 Autonics Corporation Single Phase Solid State Relays Product Overview

#### 10.5.3 Autonics Corporation Single Phase Solid State Relays Product Market Performance

- 10.5.4 Autonics Corporation Business Overview
- 10.5.5 Autonics Corporation Recent Developments
- 10.6 Jel System
  - 10.6.1 Jel System Basic Information
  - 10.6.2 Jel System Single Phase Solid State Relays Product Overview
  - 10.6.3 Jel System Single Phase Solid State Relays Product Market Performance
  - 10.6.4 Jel System Business Overview
  - 10.6.5 Jel System Recent Developments
- 10.7 Chordn Electric
  - 10.7.1 Chordn Electric Basic Information
  - 10.7.2 Chordn Electric Single Phase Solid State Relays Product Overview
  - 10.7.3 Chordn Electric Single Phase Solid State Relays Product Market Performance
  - 10.7.4 Chordn Electric Business Overview
  - 10.7.5 Chordn Electric Recent Developments
- 10.8 Sensata Technologies
  - 10.8.1 Sensata Technologies Basic Information
  - 10.8.2 Sensata Technologies Single Phase Solid State Relays Product Overview
  - 10.8.3 Sensata Technologies Single Phase Solid State Relays Product Market Performance
  - 10.8.4 Sensata Technologies Business Overview
  - 10.8.5 Sensata Technologies Recent Developments
- 10.9 Eurotherm
  - 10.9.1 Eurotherm Basic Information
  - 10.9.2 Eurotherm Single Phase Solid State Relays Product Overview
  - 10.9.3 Eurotherm Single Phase Solid State Relays Product Market Performance
  - 10.9.4 Eurotherm Business Overview
  - 10.9.5 Eurotherm Recent Developments
- 10.10 Carlo Gavazzi
  - 10.10.1 Carlo Gavazzi Basic Information
  - 10.10.2 Carlo Gavazzi Single Phase Solid State Relays Product Overview
  - 10.10.3 Carlo Gavazzi Single Phase Solid State Relays Product Market Performance
  - 10.10.4 Carlo Gavazzi Business Overview
  - 10.10.5 Carlo Gavazzi Recent Developments
- 10.11 Keysolu
  - 10.11.1 Keysolu Basic Information
  - 10.11.2 Keysolu Single Phase Solid State Relays Product Overview
  - 10.11.3 Keysolu Single Phase Solid State Relays Product Market Performance
  - 10.11.4 Keysolu Business Overview
  - 10.11.5 Keysolu Recent Developments

## 10.12 RELPOL

10.12.1 RELPOL Basic Information

10.12.2 RELPOL Single Phase Solid State Relays Product Overview

10.12.3 RELPOL Single Phase Solid State Relays Product Market Performance

10.12.4 RELPOL Business Overview

10.12.5 RELPOL Recent Developments

## 10.13 ELCO

10.13.1 ELCO Basic Information

10.13.2 ELCO Single Phase Solid State Relays Product Overview

10.13.3 ELCO Single Phase Solid State Relays Product Market Performance

10.13.4 ELCO Business Overview

10.13.5 ELCO Recent Developments

## 10.14 Ascon Technologic

10.14.1 Ascon Technologic Basic Information

10.14.2 Ascon Technologic Single Phase Solid State Relays Product Overview

10.14.3 Ascon Technologic Single Phase Solid State Relays Product Market

Performance

10.14.4 Ascon Technologic Business Overview

10.14.5 Ascon Technologic Recent Developments

## 10.15 Durex Industries

10.15.1 Durex Industries Basic Information

10.15.2 Durex Industries Single Phase Solid State Relays Product Overview

10.15.3 Durex Industries Single Phase Solid State Relays Product Market

Performance

10.15.4 Durex Industries Business Overview

10.15.5 Durex Industries Recent Developments

## **11 SINGLE PHASE SOLID STATE RELAYS MARKET FORECAST BY REGION**

11.1 Global Single Phase Solid State Relays Market Size Forecast

11.2 Global Single Phase Solid State Relays Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe Single Phase Solid State Relays Market Size Forecast by Country

11.2.3 Asia Pacific Single Phase Solid State Relays Market Size Forecast by Region

11.2.4 South America Single Phase Solid State Relays Market Size Forecast by  
Country

11.2.5 Middle East and Africa Forecasted Sales of Single Phase Solid State Relays by  
Country

## **12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2033)**

### 12.1 Global Single Phase Solid State Relays Market Forecast by Type (2026-2033)

12.1.1 Global Forecasted Sales of Single Phase Solid State Relays by Type (2026-2033)

12.1.2 Global Single Phase Solid State Relays Market Size Forecast by Type (2026-2033)

12.1.3 Global Forecasted Price of Single Phase Solid State Relays by Type (2026-2033)

12.2 Global Single Phase Solid State Relays Market Forecast by Application (2026-2033)

12.2.1 Global Single Phase Solid State Relays Sales (K Units) Forecast by Application

12.2.2 Global Single Phase Solid State Relays Market Size (M USD) Forecast by Application (2026-2033)

## **13 CONCLUSION AND KEY FINDINGS**

## List Of Tables

### LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Market Size (M USD) Segment Executive Summary

Table 4. Single Phase Solid State Relays Market Size Comparison by Region (M USD)

Table 5. Global Single Phase Solid State Relays Sales (K Units) by Manufacturers (2020-2025)

Table 6. Global Single Phase Solid State Relays Sales Market Share by Manufacturers (2020-2025)

Table 7. Global Single Phase Solid State Relays Revenue (M USD) by Manufacturers (2020-2025)

Table 8. Global Single Phase Solid State Relays Revenue Share by Manufacturers (2020-2025)

Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Single Phase Solid State Relays as of 2024)

Table 10. Global Market Single Phase Solid State Relays Average Price (USD/Unit) of Key Manufacturers (2020-2025)

Table 11. Manufacturers? Manufacturing Sites, Areas Served

Table 12. Manufacturers? Product Type

Table 13. Global Single Phase Solid State Relays Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 14. Mergers & Acquisitions, Expansion Plans

Table 15. Market Overview of Key Raw Materials

Table 16. Midstream Market Analysis

Table 17. Downstream Customer Analysis

Table 18. Key Development Trends

Table 19. Driving Factors

Table 20. Single Phase Solid State Relays Market Challenges

Table 21. Goldman Sachs' forecast real GDP growth rate for 2024-2026

Table 22. S&P Global ' Forecast Real GDP Growth Rate For 2024-2027

Table 23. World Bank ' Forecast Real GDP Growth Rate For 2024-2026

Table 24. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries

Table 25. Global Single Phase Solid State Relays Sales by Type (K Units)

Table 26. Global Single Phase Solid State Relays Market Size by Type (M USD)

Table 27. Global Single Phase Solid State Relays Sales (K Units) by Type (2020-2025)

Table 28. Global Single Phase Solid State Relays Sales Market Share by Type (2020-2025)

Table 29. Global Single Phase Solid State Relays Market Size (M USD) by Type (2020-2025)

Table 30. Global Single Phase Solid State Relays Market Size Share by Type (2020-2025)

Table 31. Global Single Phase Solid State Relays Price (USD/Unit) by Type (2020-2025)

Table 32. Global Single Phase Solid State Relays Sales (K Units) by Application

Table 33. Global Single Phase Solid State Relays Market Size by Application

Table 34. Global Single Phase Solid State Relays Sales by Application (2020-2025) & (K Units)

Table 35. Global Single Phase Solid State Relays Sales Market Share by Application (2020-2025)

Table 36. Global Single Phase Solid State Relays Market Size by Application (2020-2025) & (M USD)

Table 37. Global Single Phase Solid State Relays Market Share by Application (2020-2025)

Table 38. Global Single Phase Solid State Relays Sales Growth Rate by Application (2020-2025)

Table 39. Global Single Phase Solid State Relays Sales by Region (2020-2025) & (K Units)

Table 40. Global Single Phase Solid State Relays Sales Market Share by Region (2020-2025)

Table 41. Global Single Phase Solid State Relays Market Size by Region (2020-2025) & (M USD)

Table 42. Global Single Phase Solid State Relays Market Size Market Share by Region (2020-2025)

Table 43. North America Single Phase Solid State Relays Sales by Country (2020-2025) & (K Units)

Table 44. North America Single Phase Solid State Relays Market Size by Country (2020-2025) & (M USD)

Table 45. Europe Single Phase Solid State Relays Sales by Country (2020-2025) & (K Units)

Table 46. Europe Single Phase Solid State Relays Market Size by Country (2020-2025) & (M USD)

Table 47. Asia Pacific Single Phase Solid State Relays Sales by Region (2020-2025) & (K Units)

Table 48. Asia Pacific Single Phase Solid State Relays Market Size by Region

(2020-2025) & (M USD)

Table 49. South America Single Phase Solid State Relays Sales by Country

(2020-2025) & (K Units)

Table 50. South America Single Phase Solid State Relays Market Size by Country

(2020-2025) & (M USD)

Table 51. Middle East and Africa Single Phase Solid State Relays Sales by Region

(2020-2025) & (K Units)

Table 52. Middle East and Africa Single Phase Solid State Relays Market Size by

Region (2020-2025) & (M USD)

Table 53. Global Single Phase Solid State Relays Production (K Units) by

Region(2020-2025)

Table 54. Global Single Phase Solid State Relays Revenue (US\$ Million) by Region

(2020-2025)

Table 55. Global Single Phase Solid State Relays Revenue Market Share by Region

(2020-2025)

Table 56. Global Single Phase Solid State Relays Production (K Units), Revenue (US\$

Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 57. North America Single Phase Solid State Relays Production (K Units),

Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 58. Europe Single Phase Solid State Relays Production (K Units), Revenue (US\$

Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 59. Japan Single Phase Solid State Relays Production (K Units), Revenue (US\$

Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 60. China Single Phase Solid State Relays Production (K Units), Revenue (US\$

Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 61. Omron Basic Information

Table 62. Omron Single Phase Solid State Relays Product Overview

Table 63. Omron Single Phase Solid State Relays Sales (K Units), Revenue (M USD),

Price (USD/Unit) and Gross Margin (2020-2025)

Table 64. Omron Business Overview

Table 65. Omron SWOT Analysis

Table 66. Omron Recent Developments

Table 67. Watlow Electric Basic Information

Table 68. Watlow Electric Single Phase Solid State Relays Product Overview

Table 69. Watlow Electric Single Phase Solid State Relays Sales (K Units), Revenue (M

USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 70. Watlow Electric Business Overview

Table 71. Watlow Electric SWOT Analysis

Table 72. Watlow Electric Recent Developments

- Table 73. DOLD Basic Information
- Table 74. DOLD Single Phase Solid State Relays Product Overview
- Table 75. DOLD Single Phase Solid State Relays Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 76. DOLD Business Overview
- Table 77. DOLD SWOT Analysis
- Table 78. DOLD Recent Developments
- Table 79. Celduc Relais Basic Information
- Table 80. Celduc Relais Single Phase Solid State Relays Product Overview
- Table 81. Celduc Relais Single Phase Solid State Relays Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 82. Celduc Relais Business Overview
- Table 83. Celduc Relais Recent Developments
- Table 84. Autonics Corporation Basic Information
- Table 85. Autonics Corporation Single Phase Solid State Relays Product Overview
- Table 86. Autonics Corporation Single Phase Solid State Relays Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 87. Autonics Corporation Business Overview
- Table 88. Autonics Corporation Recent Developments
- Table 89. Jel System Basic Information
- Table 90. Jel System Single Phase Solid State Relays Product Overview
- Table 91. Jel System Single Phase Solid State Relays Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 92. Jel System Business Overview
- Table 93. Jel System Recent Developments
- Table 94. Chordn Electric Basic Information
- Table 95. Chordn Electric Single Phase Solid State Relays Product Overview
- Table 96. Chordn Electric Single Phase Solid State Relays Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 97. Chordn Electric Business Overview
- Table 98. Chordn Electric Recent Developments
- Table 99. Sensata Technologies Basic Information
- Table 100. Sensata Technologies Single Phase Solid State Relays Product Overview
- Table 101. Sensata Technologies Single Phase Solid State Relays Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 102. Sensata Technologies Business Overview
- Table 103. Sensata Technologies Recent Developments
- Table 104. Eurotherm Basic Information
- Table 105. Eurotherm Single Phase Solid State Relays Product Overview

Table 106. Eurotherm Single Phase Solid State Relays Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 107. Eurotherm Business Overview

Table 108. Eurotherm Recent Developments

Table 109. Carlo Gavazzi Basic Information

Table 110. Carlo Gavazzi Single Phase Solid State Relays Product Overview

Table 111. Carlo Gavazzi Single Phase Solid State Relays Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 112. Carlo Gavazzi Business Overview

Table 113. Carlo Gavazzi Recent Developments

Table 114. Keysolu Basic Information

Table 115. Keysolu Single Phase Solid State Relays Product Overview

Table 116. Keysolu Single Phase Solid State Relays Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 117. Keysolu Business Overview

Table 118. Keysolu Recent Developments

Table 119. RELPOL Basic Information

Table 120. RELPOL Single Phase Solid State Relays Product Overview

Table 121. RELPOL Single Phase Solid State Relays Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 122. RELPOL Business Overview

Table 123. RELPOL Recent Developments

Table 124. ELCO Basic Information

Table 125. ELCO Single Phase Solid State Relays Product Overview

Table 126. ELCO Single Phase Solid State Relays Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 127. ELCO Business Overview

Table 128. ELCO Recent Developments

Table 129. Ascon Technologic Basic Information

Table 130. Ascon Technologic Single Phase Solid State Relays Product Overview

Table 131. Ascon Technologic Single Phase Solid State Relays Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 132. Ascon Technologic Business Overview

Table 133. Ascon Technologic Recent Developments

Table 134. Durex Industries Basic Information

Table 135. Durex Industries Single Phase Solid State Relays Product Overview

Table 136. Durex Industries Single Phase Solid State Relays Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 137. Durex Industries Business Overview

Table 138. Durex Industries Recent Developments

Table 139. Global Single Phase Solid State Relays Sales Forecast by Region (2026-2033) & (K Units)

Table 140. Global Single Phase Solid State Relays Market Size Forecast by Region (2026-2033) & (M USD)

Table 141. North America Single Phase Solid State Relays Sales Forecast by Country (2026-2033) & (K Units)

Table 142. North America Single Phase Solid State Relays Market Size Forecast by Country (2026-2033) & (M USD)

Table 143. Europe Single Phase Solid State Relays Sales Forecast by Country (2026-2033) & (K Units)

Table 144. Europe Single Phase Solid State Relays Market Size Forecast by Country (2026-2033) & (M USD)

Table 145. Asia Pacific Single Phase Solid State Relays Sales Forecast by Region (2026-2033) & (K Units)

Table 146. Asia Pacific Single Phase Solid State Relays Market Size Forecast by Region (2026-2033) & (M USD)

Table 147. South America Single Phase Solid State Relays Sales Forecast by Country (2026-2033) & (K Units)

Table 148. South America Single Phase Solid State Relays Market Size Forecast by Country (2026-2033) & (M USD)

Table 149. Middle East and Africa Single Phase Solid State Relays Sales Forecast by Country (2026-2033) & (Units)

Table 150. Middle East and Africa Single Phase Solid State Relays Market Size Forecast by Country (2026-2033) & (M USD)

Table 151. Global Single Phase Solid State Relays Sales Forecast by Type (2026-2033) & (K Units)

Table 152. Global Single Phase Solid State Relays Market Size Forecast by Type (2026-2033) & (M USD)

Table 153. Global Single Phase Solid State Relays Price Forecast by Type (2026-2033) & (USD/Unit)

Table 154. Global Single Phase Solid State Relays Sales (K Units) Forecast by Application (2026-2033)

Table 155. Global Single Phase Solid State Relays Market Size Forecast by Application (2026-2033) & (M USD)

## List Of Figures

### LIST OF FIGURES

- Figure 1. Product Picture of Single Phase Solid State Relays
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Single Phase Solid State Relays Market Size (M USD), 2024-2033
- Figure 5. Global Single Phase Solid State Relays Market Size (M USD) (2020-2033)
- Figure 6. Global Single Phase Solid State Relays Sales (K Units) & (2020-2033)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Single Phase Solid State Relays Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global Single Phase Solid State Relays Product Life Cycle
- Figure 13. Single Phase Solid State Relays Sales Share by Manufacturers in 2024
- Figure 14. Global Single Phase Solid State Relays Revenue Share by Manufacturers in 2024
- Figure 15. Single Phase Solid State Relays Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2024
- Figure 16. Global Market Single Phase Solid State Relays Average Price (USD/Unit) of Key Manufacturers in 2024
- Figure 17. The Global 5 and 10 Largest Players: Market Share by Single Phase Solid State Relays Revenue in 2024
- Figure 18. Industry Chain Map of Single Phase Solid State Relays
- Figure 19. Global Single Phase Solid State Relays Market PEST Analysis
- Figure 20. Global Single Phase Solid State Relays Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global Single Phase Solid State Relays Market Share by Type
- Figure 27. Sales Market Share of Single Phase Solid State Relays by Type (2020-2025)
- Figure 28. Sales Market Share of Single Phase Solid State Relays by Type in 2024
- Figure 29. Market Size Share of Single Phase Solid State Relays by Type (2020-2025)
- Figure 30. Market Size Share of Single Phase Solid State Relays by Type in 2024
- Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 32. Global Single Phase Solid State Relays Market Share by Application

Figure 33. Global Single Phase Solid State Relays Sales Market Share by Application (2020-2025)

Figure 34. Global Single Phase Solid State Relays Sales Market Share by Application in 2024

Figure 35. Global Single Phase Solid State Relays Market Share by Application (2020-2025)

Figure 36. Global Single Phase Solid State Relays Market Share by Application in 2024

Figure 37. Global Single Phase Solid State Relays Sales Growth Rate by Application (2020-2025)

Figure 38. Global Single Phase Solid State Relays Sales Market Share by Region (2020-2025)

Figure 39. Global Single Phase Solid State Relays Market Size Market Share by Region (2020-2025)

Figure 40. North America Single Phase Solid State Relays Sales and Growth Rate (2020-2025) & (K Units)

Figure 41. North America Single Phase Solid State Relays Sales and Growth Rate (2020-2025) & (K Units)

Figure 42. North America Single Phase Solid State Relays Sales Market Share by Country in 2024

Figure 43. North America Single Phase Solid State Relays Market Size and Growth Rate (2020-2025) & (M USD)

Figure 44. North America Single Phase Solid State Relays Market Size Market Share by Country in 2024

Figure 45. U.S. Single Phase Solid State Relays Sales and Growth Rate (2020-2025) & (K Units)

Figure 46. U.S. Single Phase Solid State Relays Market Size and Growth Rate (2020-2025) & (M USD)

Figure 47. Canada Single Phase Solid State Relays Sales (K Units) and Growth Rate (2020-2025)

Figure 48. Canada Single Phase Solid State Relays Market Size (M USD) and Growth Rate (2020-2025)

Figure 49. Mexico Single Phase Solid State Relays Sales (Units) and Growth Rate (2020-2025)

Figure 50. Mexico Single Phase Solid State Relays Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe Single Phase Solid State Relays Sales and Growth Rate (2020-2025) & (K Units)

Figure 52. Europe Single Phase Solid State Relays Sales Market Share by Country in

2024

Figure 53. Europe Single Phase Solid State Relays Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe Single Phase Solid State Relays Market Size Market Share by Country in 2024

Figure 55. Germany Single Phase Solid State Relays Sales and Growth Rate (2020-2025) & (K Units)

Figure 56. Germany Single Phase Solid State Relays Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France Single Phase Solid State Relays Sales and Growth Rate (2020-2025) & (K Units)

Figure 58. France Single Phase Solid State Relays Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. Single Phase Solid State Relays Sales and Growth Rate (2020-2025) & (K Units)

Figure 60. U.K. Single Phase Solid State Relays Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy Single Phase Solid State Relays Sales and Growth Rate (2020-2025) & (K Units)

Figure 62. Italy Single Phase Solid State Relays Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain Single Phase Solid State Relays Sales and Growth Rate (2020-2025) & (K Units)

Figure 64. Spain Single Phase Solid State Relays Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific Single Phase Solid State Relays Sales and Growth Rate (K Units)

Figure 66. Asia Pacific Single Phase Solid State Relays Sales Market Share by Region in 2024

Figure 67. Asia Pacific Single Phase Solid State Relays Market Size Market Share by Region in 2024

Figure 68. China Single Phase Solid State Relays Sales and Growth Rate (2020-2025) & (K Units)

Figure 69. China Single Phase Solid State Relays Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan Single Phase Solid State Relays Sales and Growth Rate (2020-2025) & (K Units)

Figure 71. Japan Single Phase Solid State Relays Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea Single Phase Solid State Relays Sales and Growth Rate (2020-2025) & (K Units)

Figure 73. South Korea Single Phase Solid State Relays Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India Single Phase Solid State Relays Sales and Growth Rate (2020-2025) & (K Units)

Figure 75. India Single Phase Solid State Relays Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia Single Phase Solid State Relays Sales and Growth Rate (2020-2025) & (K Units)

Figure 77. Southeast Asia Single Phase Solid State Relays Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America Single Phase Solid State Relays Sales and Growth Rate (K Units)

Figure 79. South America Single Phase Solid State Relays Sales Market Share by Country in 2024

Figure 80. South America Single Phase Solid State Relays Market Size and Growth Rate (M USD)

Figure 81. South America Single Phase Solid State Relays Market Size Market Share by Country in 2024

Figure 82. Brazil Single Phase Solid State Relays Sales and Growth Rate (2020-2025) & (K Units)

Figure 83. Brazil Single Phase Solid State Relays Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina Single Phase Solid State Relays Sales and Growth Rate (2020-2025) & (K Units)

Figure 85. Argentina Single Phase Solid State Relays Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia Single Phase Solid State Relays Sales and Growth Rate (2020-2025) & (K Units)

Figure 87. Columbia Single Phase Solid State Relays Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa Single Phase Solid State Relays Sales and Growth Rate (K Units)

Figure 89. Middle East and Africa Single Phase Solid State Relays Sales Market Share by Region in 2024

Figure 90. Middle East and Africa Single Phase Solid State Relays Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa Single Phase Solid State Relays Market Size Market

## Share by Region in 2024

Figure 92. Saudi Arabia Single Phase Solid State Relays Sales and Growth Rate (2020-2025) & (K Units)

Figure 93. Saudi Arabia Single Phase Solid State Relays Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE Single Phase Solid State Relays Sales and Growth Rate (2020-2025) & (K Units)

Figure 95. UAE Single Phase Solid State Relays Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Single Phase Solid State Relays Sales and Growth Rate (2020-2025) & (K Units)

Figure 97. Egypt Single Phase Solid State Relays Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Single Phase Solid State Relays Sales and Growth Rate (2020-2025) & (K Units)

Figure 99. Nigeria Single Phase Solid State Relays Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa Single Phase Solid State Relays Sales and Growth Rate (2020-2025) & (K Units)

Figure 101. South Africa Single Phase Solid State Relays Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global Single Phase Solid State Relays Production Market Share by Region (2020-2025)

Figure 103. North America Single Phase Solid State Relays Production (K Units) Growth Rate (2020-2025)

Figure 104. Europe Single Phase Solid State Relays Production (K Units) Growth Rate (2020-2025)

Figure 105. Japan Single Phase Solid State Relays Production (K Units) Growth Rate (2020-2025)

Figure 106. China Single Phase Solid State Relays Production (K Units) Growth Rate (2020-2025)

Figure 107. Global Single Phase Solid State Relays Sales Forecast by Volume (2020-2033) & (K Units)

Figure 108. Global Single Phase Solid State Relays Market Size Forecast by Value (2020-2033) & (M USD)

Figure 109. Global Single Phase Solid State Relays Sales Market Share Forecast by Type (2026-2033)

Figure 110. Global Single Phase Solid State Relays Market Share Forecast by Type (2026-2033)

Figure 111. Global Single Phase Solid State Relays Sales Forecast by Application (2026-2033)

Figure 112. Global Single Phase Solid State Relays Market Share Forecast by Application (2026-2033)

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