

Global Safety Relay Module Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Safety Relay Module market size was valued at US\$ 781 million in 2025 and is forecast to a readjusted size of US\$ 1117 million by 2032 with a CAGR of 5.3% during review period.

Safety Relay Modules are modular safety control devices designed to monitor safety-related input signals and execute predefined safety functions within industrial systems. Typically housed in standardized enclosures for control cabinet installation, these modules process inputs from emergency stop devices, safety switches, and protective sensors, and provide controlled outputs that ensure safe shutdown or isolation of machinery when required. They are engineered with fail-safe mechanisms and are commonly used as standalone safety components or as part of broader safety control architectures in industrial automation environments. The unit price of a Safety Relay Module typically ranges from several hundred US dollars, with industry gross margins between 30% and 45%.

The upstream supply chain of Safety Relay Modules consists of electronic components, electromechanical relay elements, printed circuit boards, and specialized materials used for contact systems and housing, supplied by semiconductor manufacturers, component producers, and materials providers. The midstream segment is dominated by industrial automation and safety equipment manufacturers that design, assemble, and certify the modules, often incorporating proprietary safety logic and diagnostic functions. Downstream, the primary customers include machinery manufacturers, system integrators, and end users across industries such as manufacturing, logistics, and processing, where these modules are integrated into control panels and safety circuits. The value chain is further supported by engineering service providers responsible for

system design, installation, testing, and maintenance, ensuring compliance with safety standards throughout the lifecycle of the equipment.

The Safety Relay Module market represents a mature yet essential segment within industrial automation and machine safety systems, supported by regulatory requirements and the widespread need for reliable safety control in equipment operation. Demand is primarily driven by industrial machinery, automated production lines, and logistics systems, where safety functions must be implemented in a standardized and cost-effective manner. The market is characterized by a balance between commoditized standard modules and higher-value modular or configurable solutions, with competition intensifying in the mid-range segment due to the entry of cost-focused manufacturers. At the same time, established automation suppliers maintain advantages in high-end applications through certification capabilities, system integration expertise, and strong customer relationships. Overall, the market shows stable growth, with gradual product evolution toward more flexible and system-oriented safety solutions.

This report is a detailed and comprehensive analysis for global Safety Relay Module market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Safety Relay Module market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Safety Relay Module market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Safety Relay Module market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Safety Relay Module market shares of main players, shipments in revenue (\$

Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Safety Relay Module

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Safety Relay Module market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Siemens, Panasonic, Schneider Electric, Mitsubishi Electric, ABB, Eaton, Honeywell, TE Connectivity, Rockwell Automation, Omron, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Safety Relay Module market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Electromechanical Safety Control Relays

Solid-state Safety Control Relays

Hybrid Safety Control Relays

Market segment by Function

Basic Type

Intelligent Type

Market segment by Security Level

SIL3

SIL2

Others

Market segment by Application

Machinery

Automotive

Energy and Electricity

Others

Major players covered

Siemens

Panasonic

Schneider Electric

Mitsubishi Electric

ABB

Eaton

Honeywell

TE Connectivity

Rockwell Automation

Omron

Phoenix Contact

Sick

Banner Engineering

Schmersal

Wieland

Pilz

IDEC

Dold

HONGFA

CHINT

Delixi Electric

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Safety Relay Module product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Safety Relay Module, with price, sales quantity, revenue, and global market share of Safety Relay Module from 2021 to 2026.

Chapter 3, the Safety Relay Module competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Safety Relay Module breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Safety Relay Module market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Safety Relay Module.

Chapter 14 and 15, to describe Safety Relay Module sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Safety Relay Module Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 Electromechanical Safety Control Relays

1.3.3 Solid-state Safety Control Relays

1.3.4 Hybrid Safety Control Relays

1.4 Market Analysis by Function

1.4.1 Overview: Global Safety Relay Module Consumption Value by Function: 2021 Versus 2025 Versus 2032

1.4.2 Basic Type

1.4.3 Intelligent Type

1.5 Market Analysis by Security Level

1.5.1 Overview: Global Safety Relay Module Consumption Value by Security Level: 2021 Versus 2025 Versus 2032

1.5.2 SIL3

1.5.3 SIL2

1.5.4 Others

1.6 Market Analysis by Application

1.6.1 Overview: Global Safety Relay Module Consumption Value by Application: 2021 Versus 2025 Versus 2032

1.6.2 Machinery

1.6.3 Automotive

1.6.4 Energy and Electricity

1.6.5 Others

1.7 Global Safety Relay Module Market Size & Forecast

1.7.1 Global Safety Relay Module Consumption Value (2021 & 2025 & 2032)

1.7.2 Global Safety Relay Module Sales Quantity (2021-2032)

1.7.3 Global Safety Relay Module Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 Siemens

2.1.1 Siemens Details

- 2.1.2 Siemens Major Business
- 2.1.3 Siemens Safety Relay Module Product and Services
- 2.1.4 Siemens Safety Relay Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.1.5 Siemens Recent Developments/Updates
- 2.2 Panasonic
 - 2.2.1 Panasonic Details
 - 2.2.2 Panasonic Major Business
 - 2.2.3 Panasonic Safety Relay Module Product and Services
 - 2.2.4 Panasonic Safety Relay Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.2.5 Panasonic Recent Developments/Updates
- 2.3 Schneider Electric
 - 2.3.1 Schneider Electric Details
 - 2.3.2 Schneider Electric Major Business
 - 2.3.3 Schneider Electric Safety Relay Module Product and Services
 - 2.3.4 Schneider Electric Safety Relay Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.3.5 Schneider Electric Recent Developments/Updates
- 2.4 Mitsubishi Electric
 - 2.4.1 Mitsubishi Electric Details
 - 2.4.2 Mitsubishi Electric Major Business
 - 2.4.3 Mitsubishi Electric Safety Relay Module Product and Services
 - 2.4.4 Mitsubishi Electric Safety Relay Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.4.5 Mitsubishi Electric Recent Developments/Updates
- 2.5 ABB
 - 2.5.1 ABB Details
 - 2.5.2 ABB Major Business
 - 2.5.3 ABB Safety Relay Module Product and Services
 - 2.5.4 ABB Safety Relay Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.5.5 ABB Recent Developments/Updates
- 2.6 Eaton
 - 2.6.1 Eaton Details
 - 2.6.2 Eaton Major Business
 - 2.6.3 Eaton Safety Relay Module Product and Services
 - 2.6.4 Eaton Safety Relay Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.6.5 Eaton Recent Developments/Updates

2.7 Honeywell

2.7.1 Honeywell Details

2.7.2 Honeywell Major Business

2.7.3 Honeywell Safety Relay Module Product and Services

2.7.4 Honeywell Safety Relay Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.7.5 Honeywell Recent Developments/Updates

2.8 TE Connectivity

2.8.1 TE Connectivity Details

2.8.2 TE Connectivity Major Business

2.8.3 TE Connectivity Safety Relay Module Product and Services

2.8.4 TE Connectivity Safety Relay Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.8.5 TE Connectivity Recent Developments/Updates

2.9 Rockwell Automation

2.9.1 Rockwell Automation Details

2.9.2 Rockwell Automation Major Business

2.9.3 Rockwell Automation Safety Relay Module Product and Services

2.9.4 Rockwell Automation Safety Relay Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.9.5 Rockwell Automation Recent Developments/Updates

2.10 Omron

2.10.1 Omron Details

2.10.2 Omron Major Business

2.10.3 Omron Safety Relay Module Product and Services

2.10.4 Omron Safety Relay Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.10.5 Omron Recent Developments/Updates

2.11 Phoenix Contact

2.11.1 Phoenix Contact Details

2.11.2 Phoenix Contact Major Business

2.11.3 Phoenix Contact Safety Relay Module Product and Services

2.11.4 Phoenix Contact Safety Relay Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.11.5 Phoenix Contact Recent Developments/Updates

2.12 Sick

2.12.1 Sick Details

2.12.2 Sick Major Business

- 2.12.3 Sick Safety Relay Module Product and Services
- 2.12.4 Sick Safety Relay Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.12.5 Sick Recent Developments/Updates
- 2.13 Banner Engineering
 - 2.13.1 Banner Engineering Details
 - 2.13.2 Banner Engineering Major Business
 - 2.13.3 Banner Engineering Safety Relay Module Product and Services
 - 2.13.4 Banner Engineering Safety Relay Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.13.5 Banner Engineering Recent Developments/Updates
- 2.14 Schmersal
 - 2.14.1 Schmersal Details
 - 2.14.2 Schmersal Major Business
 - 2.14.3 Schmersal Safety Relay Module Product and Services
 - 2.14.4 Schmersal Safety Relay Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.14.5 Schmersal Recent Developments/Updates
- 2.15 Wieland
 - 2.15.1 Wieland Details
 - 2.15.2 Wieland Major Business
 - 2.15.3 Wieland Safety Relay Module Product and Services
 - 2.15.4 Wieland Safety Relay Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.15.5 Wieland Recent Developments/Updates
- 2.16 Pilz
 - 2.16.1 Pilz Details
 - 2.16.2 Pilz Major Business
 - 2.16.3 Pilz Safety Relay Module Product and Services
 - 2.16.4 Pilz Safety Relay Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.16.5 Pilz Recent Developments/Updates
- 2.17 IDEC
 - 2.17.1 IDEC Details
 - 2.17.2 IDEC Major Business
 - 2.17.3 IDEC Safety Relay Module Product and Services
 - 2.17.4 IDEC Safety Relay Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.17.5 IDEC Recent Developments/Updates

2.18 Dold

2.18.1 Dold Details

2.18.2 Dold Major Business

2.18.3 Dold Safety Relay Module Product and Services

2.18.4 Dold Safety Relay Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.18.5 Dold Recent Developments/Updates

2.19 HONGFA

2.19.1 HONGFA Details

2.19.2 HONGFA Major Business

2.19.3 HONGFA Safety Relay Module Product and Services

2.19.4 HONGFA Safety Relay Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.19.5 HONGFA Recent Developments/Updates

2.20 CHINT

2.20.1 CHINT Details

2.20.2 CHINT Major Business

2.20.3 CHINT Safety Relay Module Product and Services

2.20.4 CHINT Safety Relay Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.20.5 CHINT Recent Developments/Updates

2.21 Delixi Electric

2.21.1 Delixi Electric Details

2.21.2 Delixi Electric Major Business

2.21.3 Delixi Electric Safety Relay Module Product and Services

2.21.4 Delixi Electric Safety Relay Module Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.21.5 Delixi Electric Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: SAFETY RELAY MODULE BY MANUFACTURER

3.1 Global Safety Relay Module Sales Quantity by Manufacturer (2021-2026)

3.2 Global Safety Relay Module Revenue by Manufacturer (2021-2026)

3.3 Global Safety Relay Module Average Price by Manufacturer (2021-2026)

3.4 Market Share Analysis (2025)

3.4.1 Producer Shipments of Safety Relay Module by Manufacturer Revenue (\$MM) and Market Share (%): 2025

3.4.2 Top 3 Safety Relay Module Manufacturer Market Share in 2025

3.4.3 Top 6 Safety Relay Module Manufacturer Market Share in 2025

3.5 Safety Relay Module Market: Overall Company Footprint Analysis

3.5.1 Safety Relay Module Market: Region Footprint

3.5.2 Safety Relay Module Market: Company Product Type Footprint

3.5.3 Safety Relay Module Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global Safety Relay Module Market Size by Region

4.1.1 Global Safety Relay Module Sales Quantity by Region (2021-2032)

4.1.2 Global Safety Relay Module Consumption Value by Region (2021-2032)

4.1.3 Global Safety Relay Module Average Price by Region (2021-2032)

4.2 North America Safety Relay Module Consumption Value (2021-2032)

4.3 Europe Safety Relay Module Consumption Value (2021-2032)

4.4 Asia-Pacific Safety Relay Module Consumption Value (2021-2032)

4.5 South America Safety Relay Module Consumption Value (2021-2032)

4.6 Middle East & Africa Safety Relay Module Consumption Value (2021-2032)

5 MARKET SEGMENT BY TYPE

5.1 Global Safety Relay Module Sales Quantity by Type (2021-2032)

5.2 Global Safety Relay Module Consumption Value by Type (2021-2032)

5.3 Global Safety Relay Module Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Safety Relay Module Sales Quantity by Application (2021-2032)

6.2 Global Safety Relay Module Consumption Value by Application (2021-2032)

6.3 Global Safety Relay Module Average Price by Application (2021-2032)

7 NORTH AMERICA

7.1 North America Safety Relay Module Sales Quantity by Type (2021-2032)

7.2 North America Safety Relay Module Sales Quantity by Application (2021-2032)

7.3 North America Safety Relay Module Market Size by Country

7.3.1 North America Safety Relay Module Sales Quantity by Country (2021-2032)

7.3.2 North America Safety Relay Module Consumption Value by Country (2021-2032)

7.3.3 United States Market Size and Forecast (2021-2032)

7.3.4 Canada Market Size and Forecast (2021-2032)

7.3.5 Mexico Market Size and Forecast (2021-2032)

8 EUROPE

8.1 Europe Safety Relay Module Sales Quantity by Type (2021-2032)

8.2 Europe Safety Relay Module Sales Quantity by Application (2021-2032)

8.3 Europe Safety Relay Module Market Size by Country

8.3.1 Europe Safety Relay Module Sales Quantity by Country (2021-2032)

8.3.2 Europe Safety Relay Module Consumption Value by Country (2021-2032)

8.3.3 Germany Market Size and Forecast (2021-2032)

8.3.4 France Market Size and Forecast (2021-2032)

8.3.5 United Kingdom Market Size and Forecast (2021-2032)

8.3.6 Russia Market Size and Forecast (2021-2032)

8.3.7 Italy Market Size and Forecast (2021-2032)

9 ASIA-PACIFIC

9.1 Asia-Pacific Safety Relay Module Sales Quantity by Type (2021-2032)

9.2 Asia-Pacific Safety Relay Module Sales Quantity by Application (2021-2032)

9.3 Asia-Pacific Safety Relay Module Market Size by Region

9.3.1 Asia-Pacific Safety Relay Module Sales Quantity by Region (2021-2032)

9.3.2 Asia-Pacific Safety Relay Module Consumption Value by Region (2021-2032)

9.3.3 China Market Size and Forecast (2021-2032)

9.3.4 Japan Market Size and Forecast (2021-2032)

9.3.5 South Korea Market Size and Forecast (2021-2032)

9.3.6 India Market Size and Forecast (2021-2032)

9.3.7 Southeast Asia Market Size and Forecast (2021-2032)

9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

10.1 South America Safety Relay Module Sales Quantity by Type (2021-2032)

10.2 South America Safety Relay Module Sales Quantity by Application (2021-2032)

10.3 South America Safety Relay Module Market Size by Country

10.3.1 South America Safety Relay Module Sales Quantity by Country (2021-2032)

10.3.2 South America Safety Relay Module Consumption Value by Country
(2021-2032)

10.3.3 Brazil Market Size and Forecast (2021-2032)

10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Safety Relay Module Sales Quantity by Type (2021-2032)

11.2 Middle East & Africa Safety Relay Module Sales Quantity by Application (2021-2032)

11.3 Middle East & Africa Safety Relay Module Market Size by Country

11.3.1 Middle East & Africa Safety Relay Module Sales Quantity by Country (2021-2032)

11.3.2 Middle East & Africa Safety Relay Module Consumption Value by Country (2021-2032)

11.3.3 Turkey Market Size and Forecast (2021-2032)

11.3.4 Egypt Market Size and Forecast (2021-2032)

11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)

11.3.6 South Africa Market Size and Forecast (2021-2032)

12 MARKET DYNAMICS

12.1 Safety Relay Module Market Drivers

12.2 Safety Relay Module Market Restraints

12.3 Safety Relay Module Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Safety Relay Module and Key Manufacturers

13.2 Manufacturing Costs Percentage of Safety Relay Module

13.3 Safety Relay Module Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Safety Relay Module Typical Distributors

14.3 Safety Relay Module Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Safety Relay Module Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Safety Relay Module Consumption Value by Function, (USD Million), 2021 & 2025 & 2032

Table 3. Global Safety Relay Module Consumption Value by Security Level, (USD Million), 2021 & 2025 & 2032

Table 4. Global Safety Relay Module Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. Siemens Basic Information, Manufacturing Base and Competitors

Table 6. Siemens Major Business

Table 7. Siemens Safety Relay Module Product and Services

Table 8. Siemens Safety Relay Module Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 9. Siemens Recent Developments/Updates

Table 10. Panasonic Basic Information, Manufacturing Base and Competitors

Table 11. Panasonic Major Business

Table 12. Panasonic Safety Relay Module Product and Services

Table 13. Panasonic Safety Relay Module Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 14. Panasonic Recent Developments/Updates

Table 15. Schneider Electric Basic Information, Manufacturing Base and Competitors

Table 16. Schneider Electric Major Business

Table 17. Schneider Electric Safety Relay Module Product and Services

Table 18. Schneider Electric Safety Relay Module Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 19. Schneider Electric Recent Developments/Updates

Table 20. Mitsubishi Electric Basic Information, Manufacturing Base and Competitors

Table 21. Mitsubishi Electric Major Business

Table 22. Mitsubishi Electric Safety Relay Module Product and Services

Table 23. Mitsubishi Electric Safety Relay Module Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 24. Mitsubishi Electric Recent Developments/Updates

Table 25. ABB Basic Information, Manufacturing Base and Competitors

Table 26. ABB Major Business

Table 27. ABB Safety Relay Module Product and Services

Table 28. ABB Safety Relay Module Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 29. ABB Recent Developments/Updates

Table 30. Eaton Basic Information, Manufacturing Base and Competitors

Table 31. Eaton Major Business

Table 32. Eaton Safety Relay Module Product and Services

Table 33. Eaton Safety Relay Module Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 34. Eaton Recent Developments/Updates

Table 35. Honeywell Basic Information, Manufacturing Base and Competitors

Table 36. Honeywell Major Business

Table 37. Honeywell Safety Relay Module Product and Services

Table 38. Honeywell Safety Relay Module Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 39. Honeywell Recent Developments/Updates

Table 40. TE Connectivity Basic Information, Manufacturing Base and Competitors

Table 41. TE Connectivity Major Business

Table 42. TE Connectivity Safety Relay Module Product and Services

Table 43. TE Connectivity Safety Relay Module Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 44. TE Connectivity Recent Developments/Updates

Table 45. Rockwell Automation Basic Information, Manufacturing Base and Competitors

Table 46. Rockwell Automation Major Business

Table 47. Rockwell Automation Safety Relay Module Product and Services

Table 48. Rockwell Automation Safety Relay Module Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 49. Rockwell Automation Recent Developments/Updates

Table 50. Omron Basic Information, Manufacturing Base and Competitors

Table 51. Omron Major Business

Table 52. Omron Safety Relay Module Product and Services

Table 53. Omron Safety Relay Module Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 54. Omron Recent Developments/Updates

Table 55. Phoenix Contact Basic Information, Manufacturing Base and Competitors

Table 56. Phoenix Contact Major Business

Table 57. Phoenix Contact Safety Relay Module Product and Services

Table 58. Phoenix Contact Safety Relay Module Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 59. Phoenix Contact Recent Developments/Updates

Table 60. Sick Basic Information, Manufacturing Base and Competitors
Table 61. Sick Major Business
Table 62. Sick Safety Relay Module Product and Services
Table 63. Sick Safety Relay Module Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 64. Sick Recent Developments/Updates
Table 65. Banner Engineering Basic Information, Manufacturing Base and Competitors
Table 66. Banner Engineering Major Business
Table 67. Banner Engineering Safety Relay Module Product and Services
Table 68. Banner Engineering Safety Relay Module Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 69. Banner Engineering Recent Developments/Updates
Table 70. Schmersal Basic Information, Manufacturing Base and Competitors
Table 71. Schmersal Major Business
Table 72. Schmersal Safety Relay Module Product and Services
Table 73. Schmersal Safety Relay Module Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 74. Schmersal Recent Developments/Updates
Table 75. Wieland Basic Information, Manufacturing Base and Competitors
Table 76. Wieland Major Business
Table 77. Wieland Safety Relay Module Product and Services
Table 78. Wieland Safety Relay Module Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 79. Wieland Recent Developments/Updates
Table 80. Pilz Basic Information, Manufacturing Base and Competitors
Table 81. Pilz Major Business
Table 82. Pilz Safety Relay Module Product and Services
Table 83. Pilz Safety Relay Module Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 84. Pilz Recent Developments/Updates
Table 85. IDEC Basic Information, Manufacturing Base and Competitors
Table 86. IDEC Major Business
Table 87. IDEC Safety Relay Module Product and Services
Table 88. IDEC Safety Relay Module Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 89. IDEC Recent Developments/Updates
Table 90. Dold Basic Information, Manufacturing Base and Competitors
Table 91. Dold Major Business
Table 92. Dold Safety Relay Module Product and Services

Table 93. Dold Safety Relay Module Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 94. Dold Recent Developments/Updates

Table 95. HONGFA Basic Information, Manufacturing Base and Competitors

Table 96. HONGFA Major Business

Table 97. HONGFA Safety Relay Module Product and Services

Table 98. HONGFA Safety Relay Module Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 99. HONGFA Recent Developments/Updates

Table 100. CHINT Basic Information, Manufacturing Base and Competitors

Table 101. CHINT Major Business

Table 102. CHINT Safety Relay Module Product and Services

Table 103. CHINT Safety Relay Module Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 104. CHINT Recent Developments/Updates

Table 105. Delixi Electric Basic Information, Manufacturing Base and Competitors

Table 106. Delixi Electric Major Business

Table 107. Delixi Electric Safety Relay Module Product and Services

Table 108. Delixi Electric Safety Relay Module Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Delixi Electric Recent Developments/Updates

Table 110. Global Safety Relay Module Sales Quantity by Manufacturer (2021-2026) & (K Units)

Table 111. Global Safety Relay Module Revenue by Manufacturer (2021-2026) & (USD Million)

Table 112. Global Safety Relay Module Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 113. Market Position of Manufacturers in Safety Relay Module, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 114. Head Office and Safety Relay Module Production Site of Key Manufacturer

Table 115. Safety Relay Module Market: Company Product Type Footprint

Table 116. Safety Relay Module Market: Company Product Application Footprint

Table 117. Safety Relay Module New Market Entrants and Barriers to Market Entry

Table 118. Safety Relay Module Mergers, Acquisition, Agreements, and Collaborations

Table 119. Global Safety Relay Module Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 120. Global Safety Relay Module Sales Quantity by Region (2021-2026) & (K Units)

Table 121. Global Safety Relay Module Sales Quantity by Region (2027-2032) & (K

Units)

Table 122. Global Safety Relay Module Consumption Value by Region (2021-2026) & (USD Million)

Table 123. Global Safety Relay Module Consumption Value by Region (2027-2032) & (USD Million)

Table 124. Global Safety Relay Module Average Price by Region (2021-2026) & (US\$/Unit)

Table 125. Global Safety Relay Module Average Price by Region (2027-2032) & (US\$/Unit)

Table 126. Global Safety Relay Module Sales Quantity by Type (2021-2026) & (K Units)

Table 127. Global Safety Relay Module Sales Quantity by Type (2027-2032) & (K Units)

Table 128. Global Safety Relay Module Consumption Value by Type (2021-2026) & (USD Million)

Table 129. Global Safety Relay Module Consumption Value by Type (2027-2032) & (USD Million)

Table 130. Global Safety Relay Module Average Price by Type (2021-2026) & (US\$/Unit)

Table 131. Global Safety Relay Module Average Price by Type (2027-2032) & (US\$/Unit)

Table 132. Global Safety Relay Module Sales Quantity by Application (2021-2026) & (K Units)

Table 133. Global Safety Relay Module Sales Quantity by Application (2027-2032) & (K Units)

Table 134. Global Safety Relay Module Consumption Value by Application (2021-2026) & (USD Million)

Table 135. Global Safety Relay Module Consumption Value by Application (2027-2032) & (USD Million)

Table 136. Global Safety Relay Module Average Price by Application (2021-2026) & (US\$/Unit)

Table 137. Global Safety Relay Module Average Price by Application (2027-2032) & (US\$/Unit)

Table 138. North America Safety Relay Module Sales Quantity by Type (2021-2026) & (K Units)

Table 139. North America Safety Relay Module Sales Quantity by Type (2027-2032) & (K Units)

Table 140. North America Safety Relay Module Sales Quantity by Application (2021-2026) & (K Units)

Table 141. North America Safety Relay Module Sales Quantity by Application (2027-2032) & (K Units)

Table 142. North America Safety Relay Module Sales Quantity by Country (2021-2026) & (K Units)

Table 143. North America Safety Relay Module Sales Quantity by Country (2027-2032) & (K Units)

Table 144. North America Safety Relay Module Consumption Value by Country (2021-2026) & (USD Million)

Table 145. North America Safety Relay Module Consumption Value by Country (2027-2032) & (USD Million)

Table 146. Europe Safety Relay Module Sales Quantity by Type (2021-2026) & (K Units)

Table 147. Europe Safety Relay Module Sales Quantity by Type (2027-2032) & (K Units)

Table 148. Europe Safety Relay Module Sales Quantity by Application (2021-2026) & (K Units)

Table 149. Europe Safety Relay Module Sales Quantity by Application (2027-2032) & (K Units)

Table 150. Europe Safety Relay Module Sales Quantity by Country (2021-2026) & (K Units)

Table 151. Europe Safety Relay Module Sales Quantity by Country (2027-2032) & (K Units)

Table 152. Europe Safety Relay Module Consumption Value by Country (2021-2026) & (USD Million)

Table 153. Europe Safety Relay Module Consumption Value by Country (2027-2032) & (USD Million)

Table 154. Asia-Pacific Safety Relay Module Sales Quantity by Type (2021-2026) & (K Units)

Table 155. Asia-Pacific Safety Relay Module Sales Quantity by Type (2027-2032) & (K Units)

Table 156. Asia-Pacific Safety Relay Module Sales Quantity by Application (2021-2026) & (K Units)

Table 157. Asia-Pacific Safety Relay Module Sales Quantity by Application (2027-2032) & (K Units)

Table 158. Asia-Pacific Safety Relay Module Sales Quantity by Region (2021-2026) & (K Units)

Table 159. Asia-Pacific Safety Relay Module Sales Quantity by Region (2027-2032) & (K Units)

Table 160. Asia-Pacific Safety Relay Module Consumption Value by Region (2021-2026) & (USD Million)

Table 161. Asia-Pacific Safety Relay Module Consumption Value by Region

(2027-2032) & (USD Million)

Table 162. South America Safety Relay Module Sales Quantity by Type (2021-2026) & (K Units)

Table 163. South America Safety Relay Module Sales Quantity by Type (2027-2032) & (K Units)

Table 164. South America Safety Relay Module Sales Quantity by Application (2021-2026) & (K Units)

Table 165. South America Safety Relay Module Sales Quantity by Application (2027-2032) & (K Units)

Table 166. South America Safety Relay Module Sales Quantity by Country (2021-2026) & (K Units)

Table 167. South America Safety Relay Module Sales Quantity by Country (2027-2032) & (K Units)

Table 168. South America Safety Relay Module Consumption Value by Country (2021-2026) & (USD Million)

Table 169. South America Safety Relay Module Consumption Value by Country (2027-2032) & (USD Million)

Table 170. Middle East & Africa Safety Relay Module Sales Quantity by Type (2021-2026) & (K Units)

Table 171. Middle East & Africa Safety Relay Module Sales Quantity by Type (2027-2032) & (K Units)

Table 172. Middle East & Africa Safety Relay Module Sales Quantity by Application (2021-2026) & (K Units)

Table 173. Middle East & Africa Safety Relay Module Sales Quantity by Application (2027-2032) & (K Units)

Table 174. Middle East & Africa Safety Relay Module Sales Quantity by Country (2021-2026) & (K Units)

Table 175. Middle East & Africa Safety Relay Module Sales Quantity by Country (2027-2032) & (K Units)

Table 176. Middle East & Africa Safety Relay Module Consumption Value by Country (2021-2026) & (USD Million)

Table 177. Middle East & Africa Safety Relay Module Consumption Value by Country (2027-2032) & (USD Million)

Table 178. Safety Relay Module Raw Material

Table 179. Key Manufacturers of Safety Relay Module Raw Materials

Table 180. Safety Relay Module Typical Distributors

Table 181. Safety Relay Module Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Safety Relay Module Picture

Figure 2. Global Safety Relay Module Revenue by Type, (USD Million), 2021 & 2025 & 2032

Figure 3. Global Safety Relay Module Revenue Market Share by Type in 2025

Figure 4. Electromechanical Safety Control Relays Examples

Figure 5. Solid-state Safety Control Relays Examples

Figure 6. Hybrid Safety Control Relays Examples

Figure 7. Global Safety Relay Module Revenue by Function, (USD Million), 2021 & 2025 & 2032

Figure 8. Global Safety Relay Module Revenue Market Share by Function in 2025

Figure 9. Basic Type Examples

Figure 10. Intelligent Type Examples

Figure 11. Global Safety Relay Module Revenue by Security Level, (USD Million), 2021 & 2025 & 2032

Figure 12. Global Safety Relay Module Revenue Market Share by Security Level in 2025

Figure 13. SIL3 Examples

Figure 14. SIL2 Examples

Figure 15. Others Examples

Figure 16. Global Safety Relay Module Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 17. Global Safety Relay Module Revenue Market Share by Application in 2025

Figure 18. Machinery Examples

Figure 19. Automotive Examples

Figure 20. Energy and Electricity Examples

Figure 21. Others Examples

Figure 22. Global Safety Relay Module Consumption Value, (USD Million): 2021 & 2025 & 2032

Figure 23. Global Safety Relay Module Consumption Value and Forecast (2021-2032) & (USD Million)

Figure 24. Global Safety Relay Module Sales Quantity (2021-2032) & (K Units)

Figure 25. Global Safety Relay Module Price (2021-2032) & (US\$/Unit)

Figure 26. Global Safety Relay Module Sales Quantity Market Share by Manufacturer in 2025

Figure 27. Global Safety Relay Module Revenue Market Share by Manufacturer in 2025

Figure 28. Producer Shipments of Safety Relay Module by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 29. Top 3 Safety Relay Module Manufacturer (Revenue) Market Share in 2025

Figure 30. Top 6 Safety Relay Module Manufacturer (Revenue) Market Share in 2025

Figure 31. Global Safety Relay Module Sales Quantity Market Share by Region (2021-2032)

Figure 32. Global Safety Relay Module Consumption Value Market Share by Region (2021-2032)

Figure 33. North America Safety Relay Module Consumption Value (2021-2032) & (USD Million)

Figure 34. Europe Safety Relay Module Consumption Value (2021-2032) & (USD Million)

Figure 35. Asia-Pacific Safety Relay Module Consumption Value (2021-2032) & (USD Million)

Figure 36. South America Safety Relay Module Consumption Value (2021-2032) & (USD Million)

Figure 37. Middle East & Africa Safety Relay Module Consumption Value (2021-2032) & (USD Million)

Figure 38. Global Safety Relay Module Sales Quantity Market Share by Type (2021-2032)

Figure 39. Global Safety Relay Module Consumption Value Market Share by Type (2021-2032)

Figure 40. Global Safety Relay Module Average Price by Type (2021-2032) & (US\$/Unit)

Figure 41. Global Safety Relay Module Sales Quantity Market Share by Application (2021-2032)

Figure 42. Global Safety Relay Module Revenue Market Share by Application (2021-2032)

Figure 43. Global Safety Relay Module Average Price by Application (2021-2032) & (US\$/Unit)

Figure 44. North America Safety Relay Module Sales Quantity Market Share by Type (2021-2032)

Figure 45. North America Safety Relay Module Sales Quantity Market Share by Application (2021-2032)

Figure 46. North America Safety Relay Module Sales Quantity Market Share by Country (2021-2032)

Figure 47. North America Safety Relay Module Consumption Value Market Share by Country (2021-2032)

Figure 48. United States Safety Relay Module Consumption Value (2021-2032) & (USD

Million)

Figure 49. Canada Safety Relay Module Consumption Value (2021-2032) & (USD Million)

Figure 50. Mexico Safety Relay Module Consumption Value (2021-2032) & (USD Million)

Figure 51. Europe Safety Relay Module Sales Quantity Market Share by Type (2021-2032)

Figure 52. Europe Safety Relay Module Sales Quantity Market Share by Application (2021-2032)

Figure 53. Europe Safety Relay Module Sales Quantity Market Share by Country (2021-2032)

Figure 54. Europe Safety Relay Module Consumption Value Market Share by Country (2021-2032)

Figure 55. Germany Safety Relay Module Consumption Value (2021-2032) & (USD Million)

Figure 56. France Safety Relay Module Consumption Value (2021-2032) & (USD Million)

Figure 57. United Kingdom Safety Relay Module Consumption Value (2021-2032) & (USD Million)

Figure 58. Russia Safety Relay Module Consumption Value (2021-2032) & (USD Million)

Figure 59. Italy Safety Relay Module Consumption Value (2021-2032) & (USD Million)

Figure 60. Asia-Pacific Safety Relay Module Sales Quantity Market Share by Type (2021-2032)

Figure 61. Asia-Pacific Safety Relay Module Sales Quantity Market Share by Application (2021-2032)

Figure 62. Asia-Pacific Safety Relay Module Sales Quantity Market Share by Region (2021-2032)

Figure 63. Asia-Pacific Safety Relay Module Consumption Value Market Share by Region (2021-2032)

Figure 64. China Safety Relay Module Consumption Value (2021-2032) & (USD Million)

Figure 65. Japan Safety Relay Module Consumption Value (2021-2032) & (USD Million)

Figure 66. South Korea Safety Relay Module Consumption Value (2021-2032) & (USD Million)

Figure 67. India Safety Relay Module Consumption Value (2021-2032) & (USD Million)

Figure 68. Southeast Asia Safety Relay Module Consumption Value (2021-2032) & (USD Million)

Figure 69. Australia Safety Relay Module Consumption Value (2021-2032) & (USD Million)

Figure 70. South America Safety Relay Module Sales Quantity Market Share by Type (2021-2032)

Figure 71. South America Safety Relay Module Sales Quantity Market Share by Application (2021-2032)

Figure 72. South America Safety Relay Module Sales Quantity Market Share by Country (2021-2032)

Figure 73. South America Safety Relay Module Consumption Value Market Share by Country (2021-2032)

Figure 74. Brazil Safety Relay Module Consumption Value (2021-2032) & (USD Million)

Figure 75. Argentina Safety Relay Module Consumption Value (2021-2032) & (USD Million)

Figure 76. Middle East & Africa Safety Relay Module Sales Quantity Market Share by Type (2021-2032)

Figure 77. Middle East & Africa Safety Relay Module Sales Quantity Market Share by Application (2021-2032)

Figure 78. Middle East & Africa Safety Relay Module Sales Quantity Market Share by Country (2021-2032)

Figure 79. Middle East & Africa Safety Relay Module Consumption Value Market Share by Country (2021-2032)

Figure 80. Turkey Safety Relay Module Consumption Value (2021-2032) & (USD Million)

Figure 81. Egypt Safety Relay Module Consumption Value (2021-2032) & (USD Million)

Figure 82. Saudi Arabia Safety Relay Module Consumption Value (2021-2032) & (USD Million)

Figure 83. South Africa Safety Relay Module Consumption Value (2021-2032) & (USD Million)

Figure 84. Safety Relay Module Market Drivers

Figure 85. Safety Relay Module Market Restraints

Figure 86. Safety Relay Module Market Trends

Figure 87. Porters Five Forces Analysis

Figure 88. Manufacturing Cost Structure Analysis of Safety Relay Module in 2025

Figure 89. Manufacturing Process Analysis of Safety Relay Module

Figure 90. Safety Relay Module Industrial Chain

Figure 91. Sales Channel: Direct to End-User vs Distributors

Figure 92. Direct Channel Pros & Cons

Figure 93. Indirect Channel Pros & Cons

Figure 94. Methodology

Figure 95. Research Process and Data Source

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