

Global Functional Safety Devices Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Functional Safety Devices market size was valued at US\$ 7691 million in 2024 and is forecast to a readjusted size of USD 13360 million by 2031 with a CAGR of 8.3% during review period.

Functional safety device is part of the overall safety of a system or piece of equipment and generally focuses on electronics and related software. It looks at aspects of safety that relate to the function of a device and ensures that it works correctly in response to commands it receives. In a systemic approach Functional safety identifies potentially dangerous conditions, situations or events that could result in an accident that could harm somebody or destroy something. It enables corrective or preventive actions to avoid or reduce the impact of an accident.

Global Functional Safety Devices key players include Siemens, ABB, Schneider, Honeywell, etc. Global top four manufacturers hold a share about 55%.

Europe is the largest market, with a share about 40%, followed by China, and North America, both have a share over 40 percent.

In terms of product, Safety Sensors is the largest segment, with a share over 25%. And in terms of application, the largest application is Oil and Gas, followed by Power Generation, Automotive, Rail Transit, etc.

This report is a detailed and comprehensive analysis for global Functional Safety Devices 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 Functional Safety Devices market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global Functional Safety Devices market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global Functional Safety Devices market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global Functional Safety Devices market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (USD/Unit), 2020-2025

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 Functional Safety Devices

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 Functional Safety Devices 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, ABB, Schneider, Honeywell, Rockwell Automation, Mitsubishi Electric, Emerson, Yokogawa Electric, GE, Omron, etc.

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

Market Segmentation

Functional Safety Devices market is split by Type and by Application. For the period 2020-2031, 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

Safety Sensors

Safety PLCs

Safety Relays

Safety Valves

Safety Actuators

Safety Switches

Others

Market segment by Application

Automotive

Rail Transit

Chemical

Oil and Gas

Medical

Power Generation

Elevator and Escalator

Others

Major players covered

Siemens

ABB

Schneider

Honeywell

Rockwell Automation

Mitsubishi Electric

Emerson

Yokogawa Electric

GE

Omron

TE Connectivity

SICK

PILZ

HIMA Paul Hildebrandt

Endress+Hauser

Eaton

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 Functional Safety Devices product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Functional Safety Devices, with price, sales quantity, revenue, and global market share of Functional Safety Devices from 2020 to 2025.

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

Chapter 4, the Functional Safety Devices breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025. and Functional Safety Devices market forecast, by regions, by Type, and by

Application, with sales and revenue, from 2026 to 2031.

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 Functional Safety Devices.

Chapter 14 and 15, to describe Functional Safety Devices 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 Functional Safety Devices Consumption Value by Type: 2020 Versus 2024 Versus 2031

1.3.2 Safety Sensors

1.3.3 Safety PLCs

1.3.4 Safety Relays

1.3.5 Safety Valves

1.3.6 Safety Actuators

1.3.7 Safety Switches

1.3.8 Others

1.4 Market Analysis by Application

1.4.1 Overview: Global Functional Safety Devices Consumption Value by Application: 2020 Versus 2024 Versus 2031

1.4.2 Automotive

1.4.3 Rail Transit

1.4.4 Chemical

1.4.5 Oil and Gas

1.4.6 Medical

1.4.7 Power Generation

1.4.8 Elevator and Escalator

1.4.9 Others

1.5 Global Functional Safety Devices Market Size & Forecast

1.5.1 Global Functional Safety Devices Consumption Value (2020 & 2024 & 2031)

1.5.2 Global Functional Safety Devices Sales Quantity (2020-2031)

1.5.3 Global Functional Safety Devices Average Price (2020-2031)

2 MANUFACTURERS PROFILES

2.1 Siemens

2.1.1 Siemens Details

2.1.2 Siemens Major Business

2.1.3 Siemens Functional Safety Devices Product and Services

2.1.4 Siemens Functional Safety Devices Sales Quantity, Average Price, Revenue,

Gross Margin and Market Share (2020-2025)

2.1.5 Siemens Recent Developments/Updates

2.2 ABB

2.2.1 ABB Details

2.2.2 ABB Major Business

2.2.3 ABB Functional Safety Devices Product and Services

2.2.4 ABB Functional Safety Devices Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.2.5 ABB Recent Developments/Updates

2.3 Schneider

2.3.1 Schneider Details

2.3.2 Schneider Major Business

2.3.3 Schneider Functional Safety Devices Product and Services

2.3.4 Schneider Functional Safety Devices Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.3.5 Schneider Recent Developments/Updates

2.4 Honeywell

2.4.1 Honeywell Details

2.4.2 Honeywell Major Business

2.4.3 Honeywell Functional Safety Devices Product and Services

2.4.4 Honeywell Functional Safety Devices Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.4.5 Honeywell Recent Developments/Updates

2.5 Rockwell Automation

2.5.1 Rockwell Automation Details

2.5.2 Rockwell Automation Major Business

2.5.3 Rockwell Automation Functional Safety Devices Product and Services

2.5.4 Rockwell Automation Functional Safety Devices Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.5.5 Rockwell Automation Recent Developments/Updates

2.6 Mitsubishi Electric

2.6.1 Mitsubishi Electric Details

2.6.2 Mitsubishi Electric Major Business

2.6.3 Mitsubishi Electric Functional Safety Devices Product and Services

2.6.4 Mitsubishi Electric Functional Safety Devices Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.6.5 Mitsubishi Electric Recent Developments/Updates

2.7 Emerson

2.7.1 Emerson Details

- 2.7.2 Emerson Major Business
- 2.7.3 Emerson Functional Safety Devices Product and Services
- 2.7.4 Emerson Functional Safety Devices Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.7.5 Emerson Recent Developments/Updates
- 2.8 Yokogawa Electric
 - 2.8.1 Yokogawa Electric Details
 - 2.8.2 Yokogawa Electric Major Business
 - 2.8.3 Yokogawa Electric Functional Safety Devices Product and Services
 - 2.8.4 Yokogawa Electric Functional Safety Devices Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.8.5 Yokogawa Electric Recent Developments/Updates
- 2.9 GE
 - 2.9.1 GE Details
 - 2.9.2 GE Major Business
 - 2.9.3 GE Functional Safety Devices Product and Services
 - 2.9.4 GE Functional Safety Devices Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.9.5 GE Recent Developments/Updates
- 2.10 Omron
 - 2.10.1 Omron Details
 - 2.10.2 Omron Major Business
 - 2.10.3 Omron Functional Safety Devices Product and Services
 - 2.10.4 Omron Functional Safety Devices Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.10.5 Omron Recent Developments/Updates
- 2.11 TE Connectivity
 - 2.11.1 TE Connectivity Details
 - 2.11.2 TE Connectivity Major Business
 - 2.11.3 TE Connectivity Functional Safety Devices Product and Services
 - 2.11.4 TE Connectivity Functional Safety Devices Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.11.5 TE Connectivity Recent Developments/Updates
- 2.12 SICK
 - 2.12.1 SICK Details
 - 2.12.2 SICK Major Business
 - 2.12.3 SICK Functional Safety Devices Product and Services
 - 2.12.4 SICK Functional Safety Devices Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

- 2.12.5 SICK Recent Developments/Updates
- 2.13 PILZ
 - 2.13.1 PILZ Details
 - 2.13.2 PILZ Major Business
 - 2.13.3 PILZ Functional Safety Devices Product and Services
 - 2.13.4 PILZ Functional Safety Devices Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.13.5 PILZ Recent Developments/Updates
- 2.14 HIMA Paul Hildebrandt
 - 2.14.1 HIMA Paul Hildebrandt Details
 - 2.14.2 HIMA Paul Hildebrandt Major Business
 - 2.14.3 HIMA Paul Hildebrandt Functional Safety Devices Product and Services
 - 2.14.4 HIMA Paul Hildebrandt Functional Safety Devices Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.14.5 HIMA Paul Hildebrandt Recent Developments/Updates
- 2.15 Endress+Hauser
 - 2.15.1 Endress+Hauser Details
 - 2.15.2 Endress+Hauser Major Business
 - 2.15.3 Endress+Hauser Functional Safety Devices Product and Services
 - 2.15.4 Endress+Hauser Functional Safety Devices Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.15.5 Endress+Hauser Recent Developments/Updates
- 2.16 Eaton
 - 2.16.1 Eaton Details
 - 2.16.2 Eaton Major Business
 - 2.16.3 Eaton Functional Safety Devices Product and Services
 - 2.16.4 Eaton Functional Safety Devices Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.16.5 Eaton Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: FUNCTIONAL SAFETY DEVICES BY MANUFACTURER

- 3.1 Global Functional Safety Devices Sales Quantity by Manufacturer (2020-2025)
- 3.2 Global Functional Safety Devices Revenue by Manufacturer (2020-2025)
- 3.3 Global Functional Safety Devices Average Price by Manufacturer (2020-2025)
- 3.4 Market Share Analysis (2024)
 - 3.4.1 Producer Shipments of Functional Safety Devices by Manufacturer Revenue (\$MM) and Market Share (%): 2024

- 3.4.2 Top 3 Functional Safety Devices Manufacturer Market Share in 2024
- 3.4.3 Top 6 Functional Safety Devices Manufacturer Market Share in 2024
- 3.5 Functional Safety Devices Market: Overall Company Footprint Analysis
 - 3.5.1 Functional Safety Devices Market: Region Footprint
 - 3.5.2 Functional Safety Devices Market: Company Product Type Footprint
 - 3.5.3 Functional Safety Devices 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 Functional Safety Devices Market Size by Region
 - 4.1.1 Global Functional Safety Devices Sales Quantity by Region (2020-2031)
 - 4.1.2 Global Functional Safety Devices Consumption Value by Region (2020-2031)
 - 4.1.3 Global Functional Safety Devices Average Price by Region (2020-2031)
- 4.2 North America Functional Safety Devices Consumption Value (2020-2031)
- 4.3 Europe Functional Safety Devices Consumption Value (2020-2031)
- 4.4 Asia-Pacific Functional Safety Devices Consumption Value (2020-2031)
- 4.5 South America Functional Safety Devices Consumption Value (2020-2031)
- 4.6 Middle East & Africa Functional Safety Devices Consumption Value (2020-2031)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Functional Safety Devices Sales Quantity by Type (2020-2031)
- 5.2 Global Functional Safety Devices Consumption Value by Type (2020-2031)
- 5.3 Global Functional Safety Devices Average Price by Type (2020-2031)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Functional Safety Devices Sales Quantity by Application (2020-2031)
- 6.2 Global Functional Safety Devices Consumption Value by Application (2020-2031)
- 6.3 Global Functional Safety Devices Average Price by Application (2020-2031)

7 NORTH AMERICA

- 7.1 North America Functional Safety Devices Sales Quantity by Type (2020-2031)
- 7.2 North America Functional Safety Devices Sales Quantity by Application (2020-2031)
- 7.3 North America Functional Safety Devices Market Size by Country
 - 7.3.1 North America Functional Safety Devices Sales Quantity by Country (2020-2031)

7.3.2 North America Functional Safety Devices Consumption Value by Country (2020-2031)

7.3.3 United States Market Size and Forecast (2020-2031)

7.3.4 Canada Market Size and Forecast (2020-2031)

7.3.5 Mexico Market Size and Forecast (2020-2031)

8 EUROPE

8.1 Europe Functional Safety Devices Sales Quantity by Type (2020-2031)

8.2 Europe Functional Safety Devices Sales Quantity by Application (2020-2031)

8.3 Europe Functional Safety Devices Market Size by Country

8.3.1 Europe Functional Safety Devices Sales Quantity by Country (2020-2031)

8.3.2 Europe Functional Safety Devices Consumption Value by Country (2020-2031)

8.3.3 Germany Market Size and Forecast (2020-2031)

8.3.4 France Market Size and Forecast (2020-2031)

8.3.5 United Kingdom Market Size and Forecast (2020-2031)

8.3.6 Russia Market Size and Forecast (2020-2031)

8.3.7 Italy Market Size and Forecast (2020-2031)

9 ASIA-PACIFIC

9.1 Asia-Pacific Functional Safety Devices Sales Quantity by Type (2020-2031)

9.2 Asia-Pacific Functional Safety Devices Sales Quantity by Application (2020-2031)

9.3 Asia-Pacific Functional Safety Devices Market Size by Region

9.3.1 Asia-Pacific Functional Safety Devices Sales Quantity by Region (2020-2031)

9.3.2 Asia-Pacific Functional Safety Devices Consumption Value by Region (2020-2031)

9.3.3 China Market Size and Forecast (2020-2031)

9.3.4 Japan Market Size and Forecast (2020-2031)

9.3.5 South Korea Market Size and Forecast (2020-2031)

9.3.6 India Market Size and Forecast (2020-2031)

9.3.7 Southeast Asia Market Size and Forecast (2020-2031)

9.3.8 Australia Market Size and Forecast (2020-2031)

10 SOUTH AMERICA

10.1 South America Functional Safety Devices Sales Quantity by Type (2020-2031)

10.2 South America Functional Safety Devices Sales Quantity by Application (2020-2031)

10.3 South America Functional Safety Devices Market Size by Country

10.3.1 South America Functional Safety Devices Sales Quantity by Country
(2020-2031)

10.3.2 South America Functional Safety Devices Consumption Value by Country
(2020-2031)

10.3.3 Brazil Market Size and Forecast (2020-2031)

10.3.4 Argentina Market Size and Forecast (2020-2031)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Functional Safety Devices Sales Quantity by Type
(2020-2031)

11.2 Middle East & Africa Functional Safety Devices Sales Quantity by Application
(2020-2031)

11.3 Middle East & Africa Functional Safety Devices Market Size by Country

11.3.1 Middle East & Africa Functional Safety Devices Sales Quantity by Country
(2020-2031)

11.3.2 Middle East & Africa Functional Safety Devices Consumption Value by Country
(2020-2031)

11.3.3 Turkey Market Size and Forecast (2020-2031)

11.3.4 Egypt Market Size and Forecast (2020-2031)

11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)

11.3.6 South Africa Market Size and Forecast (2020-2031)

12 MARKET DYNAMICS

12.1 Functional Safety Devices Market Drivers

12.2 Functional Safety Devices Market Restraints

12.3 Functional Safety Devices 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 Functional Safety Devices and Key Manufacturers

13.2 Manufacturing Costs Percentage of Functional Safety Devices

13.3 Functional Safety Devices 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 Functional Safety Devices Typical Distributors

14.3 Functional Safety Devices 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 Functional Safety Devices Consumption Value by Type, (USD Million), 2020 & 2024 & 2031

Table 2. Global Functional Safety Devices Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Table 3. Siemens Basic Information, Manufacturing Base and Competitors

Table 4. Siemens Major Business

Table 5. Siemens Functional Safety Devices Product and Services

Table 6. Siemens Functional Safety Devices Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 7. Siemens Recent Developments/Updates

Table 8. ABB Basic Information, Manufacturing Base and Competitors

Table 9. ABB Major Business

Table 10. ABB Functional Safety Devices Product and Services

Table 11. ABB Functional Safety Devices Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 12. ABB Recent Developments/Updates

Table 13. Schneider Basic Information, Manufacturing Base and Competitors

Table 14. Schneider Major Business

Table 15. Schneider Functional Safety Devices Product and Services

Table 16. Schneider Functional Safety Devices Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 17. Schneider Recent Developments/Updates

Table 18. Honeywell Basic Information, Manufacturing Base and Competitors

Table 19. Honeywell Major Business

Table 20. Honeywell Functional Safety Devices Product and Services

Table 21. Honeywell Functional Safety Devices Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 22. Honeywell Recent Developments/Updates

Table 23. Rockwell Automation Basic Information, Manufacturing Base and Competitors

Table 24. Rockwell Automation Major Business

Table 25. Rockwell Automation Functional Safety Devices Product and Services

Table 26. Rockwell Automation Functional Safety Devices Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 27. Rockwell Automation Recent Developments/Updates

Table 28. Mitsubishi Electric Basic Information, Manufacturing Base and Competitors

Table 29. Mitsubishi Electric Major Business

Table 30. Mitsubishi Electric Functional Safety Devices Product and Services

Table 31. Mitsubishi Electric Functional Safety Devices Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 32. Mitsubishi Electric Recent Developments/Updates

Table 33. Emerson Basic Information, Manufacturing Base and Competitors

Table 34. Emerson Major Business

Table 35. Emerson Functional Safety Devices Product and Services

Table 36. Emerson Functional Safety Devices Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 37. Emerson Recent Developments/Updates

Table 38. Yokogawa Electric Basic Information, Manufacturing Base and Competitors

Table 39. Yokogawa Electric Major Business

Table 40. Yokogawa Electric Functional Safety Devices Product and Services

Table 41. Yokogawa Electric Functional Safety Devices Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 42. Yokogawa Electric Recent Developments/Updates

Table 43. GE Basic Information, Manufacturing Base and Competitors

Table 44. GE Major Business

Table 45. GE Functional Safety Devices Product and Services

Table 46. GE Functional Safety Devices Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 47. GE Recent Developments/Updates

Table 48. Omron Basic Information, Manufacturing Base and Competitors

Table 49. Omron Major Business

Table 50. Omron Functional Safety Devices Product and Services

Table 51. Omron Functional Safety Devices Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 52. Omron Recent Developments/Updates

Table 53. TE Connectivity Basic Information, Manufacturing Base and Competitors

Table 54. TE Connectivity Major Business

Table 55. TE Connectivity Functional Safety Devices Product and Services

Table 56. TE Connectivity Functional Safety Devices Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 57. TE Connectivity Recent Developments/Updates

Table 58. SICK Basic Information, Manufacturing Base and Competitors

Table 59. SICK Major Business

Table 60. SICK Functional Safety Devices Product and Services

Table 61. SICK Functional Safety Devices Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 62. SICK Recent Developments/Updates

Table 63. PILZ Basic Information, Manufacturing Base and Competitors

Table 64. PILZ Major Business

Table 65. PILZ Functional Safety Devices Product and Services

Table 66. PILZ Functional Safety Devices Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 67. PILZ Recent Developments/Updates

Table 68. HIMA Paul Hildebrandt Basic Information, Manufacturing Base and Competitors

Table 69. HIMA Paul Hildebrandt Major Business

Table 70. HIMA Paul Hildebrandt Functional Safety Devices Product and Services

Table 71. HIMA Paul Hildebrandt Functional Safety Devices Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 72. HIMA Paul Hildebrandt Recent Developments/Updates

Table 73. Endress+Hauser Basic Information, Manufacturing Base and Competitors

Table 74. Endress+Hauser Major Business

Table 75. Endress+Hauser Functional Safety Devices Product and Services

Table 76. Endress+Hauser Functional Safety Devices Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 77. Endress+Hauser Recent Developments/Updates

Table 78. Eaton Basic Information, Manufacturing Base and Competitors

Table 79. Eaton Major Business

Table 80. Eaton Functional Safety Devices Product and Services

Table 81. Eaton Functional Safety Devices Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 82. Eaton Recent Developments/Updates

Table 83. Global Functional Safety Devices Sales Quantity by Manufacturer (2020-2025) & (K Units)

Table 84. Global Functional Safety Devices Revenue by Manufacturer (2020-2025) & (USD Million)

Table 85. Global Functional Safety Devices Average Price by Manufacturer (2020-2025) & (USD/Unit)

Table 86. Market Position of Manufacturers in Functional Safety Devices, (Tier 1, Tier 2,

and Tier 3), Based on Revenue in 2024

Table 87. Head Office and Functional Safety Devices Production Site of Key Manufacturer

Table 88. Functional Safety Devices Market: Company Product Type Footprint

Table 89. Functional Safety Devices Market: Company Product Application Footprint

Table 90. Functional Safety Devices New Market Entrants and Barriers to Market Entry

Table 91. Functional Safety Devices Mergers, Acquisition, Agreements, and Collaborations

Table 92. Global Functional Safety Devices Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR

Table 93. Global Functional Safety Devices Sales Quantity by Region (2020-2025) & (K Units)

Table 94. Global Functional Safety Devices Sales Quantity by Region (2026-2031) & (K Units)

Table 95. Global Functional Safety Devices Consumption Value by Region (2020-2025) & (USD Million)

Table 96. Global Functional Safety Devices Consumption Value by Region (2026-2031) & (USD Million)

Table 97. Global Functional Safety Devices Average Price by Region (2020-2025) & (USD/Unit)

Table 98. Global Functional Safety Devices Average Price by Region (2026-2031) & (USD/Unit)

Table 99. Global Functional Safety Devices Sales Quantity by Type (2020-2025) & (K Units)

Table 100. Global Functional Safety Devices Sales Quantity by Type (2026-2031) & (K Units)

Table 101. Global Functional Safety Devices Consumption Value by Type (2020-2025) & (USD Million)

Table 102. Global Functional Safety Devices Consumption Value by Type (2026-2031) & (USD Million)

Table 103. Global Functional Safety Devices Average Price by Type (2020-2025) & (USD/Unit)

Table 104. Global Functional Safety Devices Average Price by Type (2026-2031) & (USD/Unit)

Table 105. Global Functional Safety Devices Sales Quantity by Application (2020-2025) & (K Units)

Table 106. Global Functional Safety Devices Sales Quantity by Application (2026-2031) & (K Units)

Table 107. Global Functional Safety Devices Consumption Value by Application

(2020-2025) & (USD Million)

Table 108. Global Functional Safety Devices Consumption Value by Application

(2026-2031) & (USD Million)

Table 109. Global Functional Safety Devices Average Price by Application (2020-2025) & (USD/Unit)

Table 110. Global Functional Safety Devices Average Price by Application (2026-2031) & (USD/Unit)

Table 111. North America Functional Safety Devices Sales Quantity by Type (2020-2025) & (K Units)

Table 112. North America Functional Safety Devices Sales Quantity by Type (2026-2031) & (K Units)

Table 113. North America Functional Safety Devices Sales Quantity by Application (2020-2025) & (K Units)

Table 114. North America Functional Safety Devices Sales Quantity by Application (2026-2031) & (K Units)

Table 115. North America Functional Safety Devices Sales Quantity by Country (2020-2025) & (K Units)

Table 116. North America Functional Safety Devices Sales Quantity by Country (2026-2031) & (K Units)

Table 117. North America Functional Safety Devices Consumption Value by Country (2020-2025) & (USD Million)

Table 118. North America Functional Safety Devices Consumption Value by Country (2026-2031) & (USD Million)

Table 119. Europe Functional Safety Devices Sales Quantity by Type (2020-2025) & (K Units)

Table 120. Europe Functional Safety Devices Sales Quantity by Type (2026-2031) & (K Units)

Table 121. Europe Functional Safety Devices Sales Quantity by Application (2020-2025) & (K Units)

Table 122. Europe Functional Safety Devices Sales Quantity by Application (2026-2031) & (K Units)

Table 123. Europe Functional Safety Devices Sales Quantity by Country (2020-2025) & (K Units)

Table 124. Europe Functional Safety Devices Sales Quantity by Country (2026-2031) & (K Units)

Table 125. Europe Functional Safety Devices Consumption Value by Country (2020-2025) & (USD Million)

Table 126. Europe Functional Safety Devices Consumption Value by Country (2026-2031) & (USD Million)

Table 127. Asia-Pacific Functional Safety Devices Sales Quantity by Type (2020-2025) & (K Units)

Table 128. Asia-Pacific Functional Safety Devices Sales Quantity by Type (2026-2031) & (K Units)

Table 129. Asia-Pacific Functional Safety Devices Sales Quantity by Application (2020-2025) & (K Units)

Table 130. Asia-Pacific Functional Safety Devices Sales Quantity by Application (2026-2031) & (K Units)

Table 131. Asia-Pacific Functional Safety Devices Sales Quantity by Region (2020-2025) & (K Units)

Table 132. Asia-Pacific Functional Safety Devices Sales Quantity by Region (2026-2031) & (K Units)

Table 133. Asia-Pacific Functional Safety Devices Consumption Value by Region (2020-2025) & (USD Million)

Table 134. Asia-Pacific Functional Safety Devices Consumption Value by Region (2026-2031) & (USD Million)

Table 135. South America Functional Safety Devices Sales Quantity by Type (2020-2025) & (K Units)

Table 136. South America Functional Safety Devices Sales Quantity by Type (2026-2031) & (K Units)

Table 137. South America Functional Safety Devices Sales Quantity by Application (2020-2025) & (K Units)

Table 138. South America Functional Safety Devices Sales Quantity by Application (2026-2031) & (K Units)

Table 139. South America Functional Safety Devices Sales Quantity by Country (2020-2025) & (K Units)

Table 140. South America Functional Safety Devices Sales Quantity by Country (2026-2031) & (K Units)

Table 141. South America Functional Safety Devices Consumption Value by Country (2020-2025) & (USD Million)

Table 142. South America Functional Safety Devices Consumption Value by Country (2026-2031) & (USD Million)

Table 143. Middle East & Africa Functional Safety Devices Sales Quantity by Type (2020-2025) & (K Units)

Table 144. Middle East & Africa Functional Safety Devices Sales Quantity by Type (2026-2031) & (K Units)

Table 145. Middle East & Africa Functional Safety Devices Sales Quantity by Application (2020-2025) & (K Units)

Table 146. Middle East & Africa Functional Safety Devices Sales Quantity by

Application (2026-2031) & (K Units)

Table 147. Middle East & Africa Functional Safety Devices Sales Quantity by Country (2020-2025) & (K Units)

Table 148. Middle East & Africa Functional Safety Devices Sales Quantity by Country (2026-2031) & (K Units)

Table 149. Middle East & Africa Functional Safety Devices Consumption Value by Country (2020-2025) & (USD Million)

Table 150. Middle East & Africa Functional Safety Devices Consumption Value by Country (2026-2031) & (USD Million)

Table 151. Functional Safety Devices Raw Material

Table 152. Key Manufacturers of Functional Safety Devices Raw Materials

Table 153. Functional Safety Devices Typical Distributors

Table 154. Functional Safety Devices Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Functional Safety Devices Picture

Figure 2. Global Functional Safety Devices Revenue by Type, (USD Million), 2020 & 2024 & 2031

Figure 3. Global Functional Safety Devices Revenue Market Share by Type in 2024

Figure 4. Safety Sensors Examples

Figure 5. Safety PLCs Examples

Figure 6. Safety Relays Examples

Figure 7. Safety Valves Examples

Figure 8. Safety Actuators Examples

Figure 9. Safety Switches Examples

Figure 10. Others Examples

Figure 11. Global Functional Safety Devices Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Figure 12. Global Functional Safety Devices Revenue Market Share by Application in 2024

Figure 13. Automotive Examples

Figure 14. Rail Transit Examples

Figure 15. Chemical Examples

Figure 16. Oil and Gas Examples

Figure 17. Medical Examples

Figure 18. Power Generation Examples

Figure 19. Elevator and Escalator Examples

Figure 20. Others Examples

Figure 21. Others Examples

Figure 22. Global Functional Safety Devices Consumption Value, (USD Million): 2020 & 2024 & 2031

Figure 23. Global Functional Safety Devices Consumption Value and Forecast (2020-2031) & (USD Million)

Figure 24. Global Functional Safety Devices Sales Quantity (2020-2031) & (K Units)

Figure 25. Global Functional Safety Devices Price (2020-2031) & (USD/Unit)

Figure 26. Global Functional Safety Devices Sales Quantity Market Share by Manufacturer in 2024

Figure 27. Global Functional Safety Devices Revenue Market Share by Manufacturer in 2024

Figure 28. Producer Shipments of Functional Safety Devices by Manufacturer Sales

(\$MM) and Market Share (%): 2024

Figure 29. Top 3 Functional Safety Devices Manufacturer (Revenue) Market Share in 2024

Figure 30. Top 6 Functional Safety Devices Manufacturer (Revenue) Market Share in 2024

Figure 31. Global Functional Safety Devices Sales Quantity Market Share by Region (2020-2031)

Figure 32. Global Functional Safety Devices Consumption Value Market Share by Region (2020-2031)

Figure 33. North America Functional Safety Devices Consumption Value (2020-2031) & (USD Million)

Figure 34. Europe Functional Safety Devices Consumption Value (2020-2031) & (USD Million)

Figure 35. Asia-Pacific Functional Safety Devices Consumption Value (2020-2031) & (USD Million)

Figure 36. South America Functional Safety Devices Consumption Value (2020-2031) & (USD Million)

Figure 37. Middle East & Africa Functional Safety Devices Consumption Value (2020-2031) & (USD Million)

Figure 38. Global Functional Safety Devices Sales Quantity Market Share by Type (2020-2031)

Figure 39. Global Functional Safety Devices Consumption Value Market Share by Type (2020-2031)

Figure 40. Global Functional Safety Devices Average Price by Type (2020-2031) & (USD/Unit)

Figure 41. Global Functional Safety Devices Sales Quantity Market Share by Application (2020-2031)

Figure 42. Global Functional Safety Devices Revenue Market Share by Application (2020-2031)

Figure 43. Global Functional Safety Devices Average Price by Application (2020-2031) & (USD/Unit)

Figure 44. North America Functional Safety Devices Sales Quantity Market Share by Type (2020-2031)

Figure 45. North America Functional Safety Devices Sales Quantity Market Share by Application (2020-2031)

Figure 46. North America Functional Safety Devices Sales Quantity Market Share by Country (2020-2031)

Figure 47. North America Functional Safety Devices Consumption Value Market Share by Country (2020-2031)

Figure 48. United States Functional Safety Devices Consumption Value (2020-2031) & (USD Million)

Figure 49. Canada Functional Safety Devices Consumption Value (2020-2031) & (USD Million)

Figure 50. Mexico Functional Safety Devices Consumption Value (2020-2031) & (USD Million)

Figure 51. Europe Functional Safety Devices Sales Quantity Market Share by Type (2020-2031)

Figure 52. Europe Functional Safety Devices Sales Quantity Market Share by Application (2020-2031)

Figure 53. Europe Functional Safety Devices Sales Quantity Market Share by Country (2020-2031)

Figure 54. Europe Functional Safety Devices Consumption Value Market Share by Country (2020-2031)

Figure 55. Germany Functional Safety Devices Consumption Value (2020-2031) & (USD Million)

Figure 56. France Functional Safety Devices Consumption Value (2020-2031) & (USD Million)

Figure 57. United Kingdom Functional Safety Devices Consumption Value (2020-2031) & (USD Million)

Figure 58. Russia Functional Safety Devices Consumption Value (2020-2031) & (USD Million)

Figure 59. Italy Functional Safety Devices Consumption Value (2020-2031) & (USD Million)

Figure 60. Asia-Pacific Functional Safety Devices Sales Quantity Market Share by Type (2020-2031)

Figure 61. Asia-Pacific Functional Safety Devices Sales Quantity Market Share by Application (2020-2031)

Figure 62. Asia-Pacific Functional Safety Devices Sales Quantity Market Share by Region (2020-2031)

Figure 63. Asia-Pacific Functional Safety Devices Consumption Value Market Share by Region (2020-2031)

Figure 64. China Functional Safety Devices Consumption Value (2020-2031) & (USD Million)

Figure 65. Japan Functional Safety Devices Consumption Value (2020-2031) & (USD Million)

Figure 66. South Korea Functional Safety Devices Consumption Value (2020-2031) & (USD Million)

Figure 67. India Functional Safety Devices Consumption Value (2020-2031) & (USD

Million)

Figure 68. Southeast Asia Functional Safety Devices Consumption Value (2020-2031) & (USD Million)

Figure 69. Australia Functional Safety Devices Consumption Value (2020-2031) & (USD Million)

Figure 70. South America Functional Safety Devices Sales Quantity Market Share by Type (2020-2031)

Figure 71. South America Functional Safety Devices Sales Quantity Market Share by Application (2020-2031)

Figure 72. South America Functional Safety Devices Sales Quantity Market Share by Country (2020-2031)

Figure 73. South America Functional Safety Devices Consumption Value Market Share by Country (2020-2031)

Figure 74. Brazil Functional Safety Devices Consumption Value (2020-2031) & (USD Million)

Figure 75. Argentina Functional Safety Devices Consumption Value (2020-2031) & (USD Million)

Figure 76. Middle East & Africa Functional Safety Devices Sales Quantity Market Share by Type (2020-2031)

Figure 77. Middle East & Africa Functional Safety Devices Sales Quantity Market Share by Application (2020-2031)

Figure 78. Middle East & Africa Functional Safety Devices Sales Quantity Market Share by Country (2020-2031)

Figure 79. Middle East & Africa Functional Safety Devices Consumption Value Market Share by Country (2020-2031)

Figure 80. Turkey Functional Safety Devices Consumption Value (2020-2031) & (USD Million)

Figure 81. Egypt Functional Safety Devices Consumption Value (2020-2031) & (USD Million)

Figure 82. Saudi Arabia Functional Safety Devices Consumption Value (2020-2031) & (USD Million)

Figure 83. South Africa Functional Safety Devices Consumption Value (2020-2031) & (USD Million)

Figure 84. Functional Safety Devices Market Drivers

Figure 85. Functional Safety Devices Market Restraints

Figure 86. Functional Safety Devices Market Trends

Figure 87. Porters Five Forces Analysis

Figure 88. Manufacturing Cost Structure Analysis of Functional Safety Devices in 2024

Figure 89. Manufacturing Process Analysis of Functional Safety Devices

- Figure 90. Functional Safety Devices 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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