

Global Functional Safety Devices Competitive Landscape Professional Research Report 2025

<https://marketpublishers.com/r/F90D167AB94BEN.html>

Date: June 2025

Pages: 165

Price: US\$ 3,500.00 (Single User License)

ID: F90D167AB94BEN

Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Functional Safety Devices market size will reach 8,736.22 Million USD in 2025 and is projected to reach 14,904.55 Million USD by 2032, with a CAGR of 7.93% (2025-2032). Notably, the China Functional Safety Devices market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

Research Summary

Functional safety devices are specialized equipment designed to ensure the safe operation of industrial processes, machinery, or systems by minimizing the risk of hazards and preventing or mitigating potential accidents. These devices play a crucial role in complying with functional safety standards and regulations in various industries, such as manufacturing, petrochemical, automotive, and energy. Examples of functional safety devices include emergency shutdown systems, safety interlocks, safety PLCs (Programmable Logic Controllers), and safety sensors. These devices are engineered to detect and respond to abnormal conditions or faults, initiating actions that bring the system to a safe state. The goal is to reduce the likelihood of dangerous failures and protect personnel, assets, and the environment. Functional safety devices are integral components in the broader field of functional safety, contributing to the overall safety and reliability of complex industrial processes.

The major global manufacturers of Functional Safety Devices include Siemens, ABB, Schneider, Honeywell, Rockwell Automation, Mitsubishi Electric, Emerson, Yokogawa

Electric, GE, TE Connectivity, Omron, SICK, PILZ, HIMA Paul Hildebrandt, Endress+Hauser, Eaton, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Functional Safety Devices. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Functional Safety Devices market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Functional Safety Devices market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Functional Safety Devices industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Functional Safety Devices Include:

Siemens

ABB

Schneider

Honeywell

Rockwell Automation

Mitsubishi Electric

Emerson

Yokogawa Electric

GE

TE Connectivity

Omron

SICK

PILZ

HIMA Paul Hildebrandt

Endress+Hauser

Eaton

Functional Safety Devices Product Segment Include:

Safety Sensors

Safety PLCs

Safety Relays

Safety Valves

Safety Actuators

Safety Switches

Others

Functional Safety Devices Product Application Include:

Automotive

Rail Transit

Chemical

Oil and Gas

Medical

Power Generation

Elevator and Escalator

Others

Chapter Scope

Chapter 1: Product Research Range, Product Types and Applications, Market Overview, Market Situation and Trends

Chapter 2: Global Functional Safety Devices Industry PESTEL Analysis

Chapter 3: Global Functional Safety Devices Industry Porter's Five Forces Analysis

Chapter 4: Global Functional Safety Devices Major Regional Market Size (Revenue, Sales, Price) and Forecast Analysis

Chapter 5: Global Functional Safety Devices Market Size and Forecast by Type and Application Analysis

Chapter 6: North America Functional Safety Devices Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 7: Europe Functional Safety Devices Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 8: China Functional Safety Devices Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 9: APAC (Excl. China) Functional Safety Devices Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 10: Latin America Functional Safety Devices Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 11: Middle East and Africa Functional Safety Devices Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 12: Global Functional Safety Devices Competitive Analysis of Key Manufacturers (Sales, Revenue, Market Share, Price, Regional Distribution and Industry Concentration)

Chapter 13: Key Company Profiles (Product Portfolio, Sales, Revenue, Price and Gross Margin)

Chapter 14: Industrial Chain Analysis, Include Raw Material Suppliers, Distributors and Customers

Chapter 15: Research Findings and Conclusion

Chapter 16: Methodology and Data Sources

Contents

1 FUNCTIONAL SAFETY DEVICES MARKET OVERVIEW

- 1.1 Product Definition and Statistical Scope
- 1.2 Functional Safety Devices Product by Type
 - 1.2.1 Safety Sensors
 - 1.2.2 Safety PLCs
 - 1.2.3 Safety Relays
 - 1.2.4 Safety Valves
 - 1.2.5 Safety Actuators
 - 1.2.6 Safety Switches
 - 1.2.7 Others
- 1.3 Functional Safety Devices Product by Application
 - 1.3.1 Automotive
 - 1.3.2 Rail Transit
 - 1.3.3 Chemical
 - 1.3.4 Oil and Gas
 - 1.3.5 Medical
 - 1.3.6 Power Generation
 - 1.3.7 Elevator and Escalator
 - 1.3.8 Others
- 1.4 Global Functional Safety Devices Market Revenue and Sales Analysis
 - 1.4.1 Global Functional Safety Devices Revenue Market Size Analysis (2020-2032)
 - 1.4.2 Global Functional Safety Devices Sales Market Size Analysis (2020-2032)
 - 1.4.3 Global Functional Safety Devices Market Sales Price Trend Analysis (2020-2032)
- 1.5 Functional Safety Devices Industry Trends and Innovation
 - 1.5.1 Functional Safety Devices Industry Trends and Innovation
 - 1.5.2 Functional Safety Devices Market Drivers and Challenges

2 FUNCTIONAL SAFETY DEVICES MARKET PESTEL ANALYSIS

- 2.1 Political Factors Analysis
- 2.2 Economic Factors Analysis
- 2.3 Social Factors Analysis
- 2.4 Technological Factors Analysis
- 2.5 Environmental Factors Analysis
- 2.6 Legal Factors Analysis

3 FUNCTIONAL SAFETY DEVICES MARKET PORTER'S FIVE FORCES ANALYSIS

- 3.1 Competitive Rivalry
- 3.2 Threat of New Entrants
- 3.3 Bargaining Power of Suppliers
- 3.4 Bargaining Power of Buyers
- 3.5 Threat of Substitutes

4 GLOBAL FUNCTIONAL SAFETY DEVICES MARKET ANALYSIS BY REGIONS

- 4.1 Functional Safety Devices Overall Market: 2024 VS 2025 VS 2032
- 4.2 Global Functional Safety Devices Revenue and Forecast Analysis (2020-2032)
 - 4.2.1 Global Functional Safety Devices Revenue and Market Share by Region (2020-2025)
 - 4.2.2 Global Functional Safety Devices Revenue and Market Share Forecast by Region (2026-2032)
- 4.3 Global Functional Safety Devices Sales and Forecast Analysis (2020-2032)
 - 4.3.1 Global Functional Safety Devices Sales and Market Share by Region (2020-2025)
 - 4.3.2 Global Functional Safety Devices Sales and Market Share Forecast by Region (2026-2032)
- 4.4 Global Functional Safety Devices Sales Price Trend Analysis (2020-2032)

5 GLOBAL FUNCTIONAL SAFETY DEVICES MARKET SIZE BY TYPE AND APPLICATION

- 5.1 Global Functional Safety Devices Market Size by Type
 - 5.1.1 Global Functional Safety Devices Revenue and Forecast Analysis by Type (2020-2032)
 - 5.1.2 Global Functional Safety Devices Sales and Forecast Analysis by Type (2020-2032)
- 5.2 Global Functional Safety Devices Market Size by Application
 - 5.2.1 Global Functional Safety Devices Revenue and Forecast Analysis by Application (2020-2032)
 - 5.2.2 Global Functional Safety Devices Sales and Forecast Analysis by Application (2020-2032)

6 NORTH AMERICA

6.1 North America Functional Safety Devices Market Size and Growth Rate Analysis (2020-2032)

6.2 North America Key Manufacturers Analysis

6.3 North America Functional Safety Devices Market Size by Type

6.3.1 North America Functional Safety Devices Sales by Type (2020-2032)

6.3.2 North America Functional Safety Devices Revenue by Type (2020-2032)

6.4 North America Functional Safety Devices Market Size by Application

6.4.1 North America Functional Safety Devices Sales by Application (2020-2032)

6.4.2 North America Functional Safety Devices Revenue by Application (2020-2032)

6.5 North America Functional Safety Devices Market Size by Country

6.5.1 US

6.5.2 Canada

7 EUROPE

7.1 Europe Functional Safety Devices Market Size and Growth Rate Analysis (2020-2032)

7.2 Europe Key Manufacturers Analysis

7.3 Europe Functional Safety Devices Market Size by Type

7.3.1 Europe Functional Safety Devices Sales by Type (2020-2032)

7.3.2 Europe Functional Safety Devices Revenue by Type (2020-2032)

7.4 Europe Functional Safety Devices Market Size by Application

7.4.1 Europe Functional Safety Devices Sales by Application (2020-2032)

7.4.2 Europe Functional Safety Devices Revenue by Application (2020-2032)

7.5 Europe Functional Safety Devices Market Size by Country

7.5.1 Germany

7.5.2 France

7.5.3 United Kingdom

7.5.4 Italy

7.5.5 Spain

7.5.6 Benelux

8 CHINA

8.1 China Functional Safety Devices Market Size and Growth Rate Analysis (2020-2032)

8.2 China Key Manufacturers Analysis

8.3 China Functional Safety Devices Market Size by Type

- 8.3.1 China Functional Safety Devices Sales by Type (2020-2032)
- 8.3.2 China Functional Safety Devices Revenue by Type (2020-2032)
- 8.4 China Functional Safety Devices Market Size by Application
 - 8.4.1 China Functional Safety Devices Sales by Application (2020-2032)
 - 8.4.2 China Functional Safety Devices Revenue by Application (2020-2032)

9 APAC (EXCL. CHINA)

- 9.1 APAC (excl. China) Functional Safety Devices Market Size and Growth Rate Analysis (2020-2032)
- 9.2 APAC (excl. China) Key Manufacturers Analysis
- 9.3 APAC (excl. China) Functional Safety Devices Market Size by Type
 - 9.3.1 APAC (excl. China) Functional Safety Devices Sales by Type (2020-2032)
 - 9.3.2 APAC (excl. China) Functional Safety Devices Revenue by Type (2020-2032)
- 9.4 APAC (excl. China) Functional Safety Devices Market Size by Application
 - 9.4.1 APAC (excl. China) Functional Safety Devices Sales by Application (2020-2032)
 - 9.4.2 APAC (excl. China) Functional Safety Devices Revenue by Application (2020-2032)
- 9.5 APAC (excl. China) Functional Safety Devices Market Size by Country
 - 9.5.1 Japan
 - 9.5.2 South Korea
 - 9.5.3 India
 - 9.5.4 Australia
 - 9.5.5 Southeast Asia

10 LATIN AMERICA

- 10.1 Latin America Functional Safety Devices Market Size and Growth Rate Analysis (2020-2032)
- 10.2 Latin America Key Manufacturers Analysis
- 10.3 Latin America Functional Safety Devices Market Size by Type
 - 10.3.1 Latin America Functional Safety Devices Sales by Type (2020-2032)
 - 10.3.2 Latin America Functional Safety Devices Revenue by Type (2020-2032)
- 10.4 Latin America Functional Safety Devices Market Size by Application
 - 10.4.1 Latin America Functional Safety Devices Sales by Application (2020-2032)
 - 10.4.2 Latin America Functional Safety Devices Revenue by Application (2020-2032)
- 10.5 Latin America Functional Safety Devices Market Size by Country
- 10.6 Latin America Functional Safety Devices Market Size by Country
 - 10.6.1 Mexico

10.6.2 Brazil

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Functional Safety Devices Market Size and Growth Rate Analysis (2020-2032)

11.2 Middle East & Africa Key Manufacturers Analysis

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

11.3.1 Middle East & Africa Functional Safety Devices Sales by Type (2020-2032)

11.3.2 Middle East & Africa Functional Safety Devices Revenue by Type (2020-2032)

11.4 Middle East & Africa Functional Safety Devices Market Size by Application

11.4.1 Middle East & Africa Functional Safety Devices Sales by Application (2020-2032)

11.4.2 Middle East & Africa Functional Safety Devices Revenue by Application (2020-2032)

11.5 Middle East Functional Safety Devices Market Size by Country

11.5.1 Saudi Arabia

11.5.2 South Africa

12 COMPETITION BY MANUFACTURERS

12.1 Global Functional Safety Devices Market Sales, Revenue and Price by Key Manufacturers (2021-2025)

12.1.1 Global Functional Safety Devices Market Sales by Key Manufacturers (2021-2025)

12.1.2 Global Functional Safety Devices Market Revenue by Key Manufacturers (2021-2025)

12.1.3 Global Functional Safety Devices Average Sales Price by Manufacturers (2021-2025)

12.2 Functional Safety Devices Competitive Landscape Analysis and Market Dynamic

12.2.1 Functional Safety Devices Competitive Landscape Analysis

12.2.2 Global Key Manufacturers Headquarter Location and Key Area Sales

12.2.3 Market Dynamic

13 KEY COMPANIES ANALYSIS

13.1 Siemens

13.1.1 Siemens Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

- 13.1.2 Siemens Functional Safety Devices Product Portfolio
- 13.1.3 Siemens Functional Safety Devices Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)
- 13.2 ABB
 - 13.2.1 ABB Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
 - 13.2.2 ABB Functional Safety Devices Product Portfolio
 - 13.2.3 ABB Functional Safety Devices Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)
- 13.3 Schneider
 - 13.3.1 Schneider Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
 - 13.3.2 Schneider Functional Safety Devices Product Portfolio
 - 13.3.3 Schneider Functional Safety Devices Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)
- 13.4 Honeywell
 - 13.4.1 Honeywell Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
 - 13.4.2 Honeywell Functional Safety Devices Product Portfolio
 - 13.4.3 Honeywell Functional Safety Devices Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)
- 13.5 Rockwell Automation
 - 13.5.1 Rockwell Automation Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
 - 13.5.2 Rockwell Automation Functional Safety Devices Product Portfolio
 - 13.5.3 Rockwell Automation Functional Safety Devices Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)
- 13.6 Mitsubishi Electric
 - 13.6.1 Mitsubishi Electric Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
 - 13.6.2 Mitsubishi Electric Functional Safety Devices Product Portfolio
 - 13.6.3 Mitsubishi Electric Functional Safety Devices Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)
- 13.7 Emerson
 - 13.7.1 Emerson Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
 - 13.7.2 Emerson Functional Safety Devices Product Portfolio
 - 13.7.3 Emerson Functional Safety Devices Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.8 Yokogawa Electric

13.8.1 Yokogawa Electric Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.8.2 Yokogawa Electric Functional Safety Devices Product Portfolio

13.8.3 Yokogawa Electric Functional Safety Devices Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.9 GE

13.9.1 GE Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.9.2 GE Functional Safety Devices Product Portfolio

13.9.3 GE Functional Safety Devices Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.10 TE Connectivity

13.10.1 TE Connectivity Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.10.2 TE Connectivity Functional Safety Devices Product Portfolio

13.10.3 TE Connectivity Functional Safety Devices Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.11 Omron

13.11.1 Omron Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.11.2 Omron Functional Safety Devices Product Portfolio

13.11.3 Omron Functional Safety Devices Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.12 SICK

13.12.1 SICK Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.12.2 SICK Functional Safety Devices Product Portfolio

13.12.3 SICK Functional Safety Devices Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.13 PILZ

13.13.1 PILZ Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.13.2 PILZ Functional Safety Devices Product Portfolio

13.13.3 PILZ Functional Safety Devices Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.14 HIMA Paul Hildebrandt

13.14.1 HIMA Paul Hildebrandt Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

- 13.14.2 HIMA Paul Hildebrandt Functional Safety Devices Product Portfolio
- 13.14.3 HIMA Paul Hildebrandt Functional Safety Devices Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)
- 13.15 Endress+Hauser
 - 13.15.1 Endress+Hauser Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
 - 13.15.2 Endress+Hauser Functional Safety Devices Product Portfolio
 - 13.15.3 Endress+Hauser Functional Safety Devices Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)
- 13.16 Eaton
 - 13.16.1 Eaton Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
 - 13.16.2 Eaton Functional Safety Devices Product Portfolio
 - 13.16.3 Eaton Functional Safety Devices Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

14 INDUSTRY CHAIN ANALYSIS

- 14.1 Functional Safety Devices Industry Chain Analysis
- 14.2 Functional Safety Devices Industry Raw Material and Suppliers Analysis
 - 14.2.1 Functional Safety Devices Key Raw Material Supply Analysis
 - 14.2.2 Raw Material Suppliers and Contact Information
- 14.3 Functional Safety Devices Typical Downstream Customers
- 14.4 Functional Safety Devices Sales Channel Analysis

15 RESEARCH FINDINGS AND CONCLUSION

16 METHODOLOGY AND DATA SOURCE

- 16.1 Methodology/Research Approach
- 16.2 Research Scope
- 16.3 Benchmarks and Assumptions
- 16.4 Data Source
 - 16.4.1 Primary Sources
 - 16.4.2 Secondary Sources
- 16.5 Data Cross Validation
- 16.6 Disclaimer

List Of Tables

LIST OF TABLES

Table 1: Global Functional Safety Devices Market Size Growth Rate by Type, 2024 VS 2025 VS 2032 (US\$ Million)

Table 2: Global Functional Safety Devices Market Size Growth Rate by Application, 2024 VS 2025 VS 2032 (US\$ Million)

Table 3: Functional Safety Devices Industry Development Status

Table 4: Functional Safety Devices Industry Development Trends

Table 5: Global Functional Safety Devices Market Size by Region in US\$ Million: 2024 VS 2025 VS 2032

Table 6: Global Functional Safety Devices Revenue by Region (2020-2025) & (US\$ Million)

Table 7: Global Functional Safety Devices Revenue Market Share by Region (2020-2025)

Table 8: Global Functional Safety Devices Revenue Forecast by Region (2026-2032) & (US\$ Million)

Table 9: Global Functional Safety Devices Revenue Market Share Forecast by Region (2026-2032)

Table 10: Global Functional Safety Devices Sales by Region (2020-2025) & (K Unit)

Table 11: Global Functional Safety Devices Sales Market Share by Region (2020-2025)

Table 12: Global Functional Safety Devices Sales Forecast by Region (2026-2032) & (K Unit)

Table 13: Global Functional Safety Devices Sales Market Share Forecast by Region (2026-2032)

Table 14: Global Functional Safety Devices Revenue Analysis by Type (2020-2025) & (US\$ Million)

Table 15: Global Functional Safety Devices Revenue Analysis Forecast by Type (2026-2032) & (US\$ Million)

Table 16: Global Functional Safety Devices Sales Analysis by Type (2020-2025) & (K Unit)

Table 17: Global Functional Safety Devices Sales Analysis Forecast by Type (2026-2032) & (K Unit)

Table 18: Global Functional Safety Devices Revenue Analysis by Application (2020-2025) & (US\$ Million)

Table 19: Global Functional Safety Devices Revenue Analysis Forecast by Application (2026-2032) & (US\$ Million)

Table 20: Global Functional Safety Devices Sales Analysis by Application (2020-2025) & (K Unit)

Table 21: Global Functional Safety Devices Sales Analysis Forecast by Application (2026-2032) & (K Unit)

Table 22: Key Functional Safety Devices Players in North America

Table 23: North America Functional Safety Devices Sales by Type (2020-2025) & (K Unit)

Table 24: North America Functional Safety Devices Sales by Type (2026-2032) & (K Unit)

Table 25: North America Functional Safety Devices Revenue by Type (2020-2025) & (US\$ Million)

Table 26: North America Functional Safety Devices Revenue by Type (2026-2032) & (US\$ Million)

Table 27: North America Functional Safety Devices Sales by Application (2020-2025) & (K Unit)

Table 28: North America Functional Safety Devices Sales by Application (2026-2032) & (K Unit)

Table 29: North America Functional Safety Devices Revenue by Application (2020-2025) & (US\$ Million)

Table 30: North America Functional Safety Devices Revenue by Application (2026-2032) & (US\$ Million)

Table 31: North America Functional Safety Devices Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 32: North America Functional Safety Devices Revenue Market Size by Country (2026-2032) & (US\$ Million)

Table 33: North America Functional Safety Devices Sales Market Size by Country (2020-2025) & (K Unit)

Table 34: North America Functional Safety Devices Sales Market Size by Country (2026-2032) & (K Unit)

Table 35: Key Functional Safety Devices Players in Europe

Table 36: Europe Functional Safety Devices Sales by Type (2020-2025) & (K Unit)

Table 37: Europe Functional Safety Devices Sales by Type (2026-2032) & (K Unit)

Table 38: Europe Functional Safety Devices Revenue by Type (2020-2025) & (US\$ Million)

Table 39: Europe Functional Safety Devices Revenue by Type (2026-2032) & (US\$ Million)

Table 40: Europe Functional Safety Devices Sales by Application (2020-2025) & (K Unit)

Table 41: Europe Functional Safety Devices Sales by Application (2026-2032) & (K Unit)

Table 42: Europe Functional Safety Devices Revenue by Application (2020-2025) &

(US\$ Million)

Table 43: Europe Functional Safety Devices Revenue by Application (2026-2032) & (US\$ Million)

Table 44: Europe Functional Safety Devices Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 45: Europe Functional Safety Devices Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 46: Europe Functional Safety Devices Sales Market Size by Country (2020-2025) & (K Unit)

Table 47: Europe Functional Safety Devices Sales Market Size Forecast by Country (2026-2032) & (K Unit)

Table 48: Key Functional Safety Devices Players in China

Table 49: China Functional Safety Devices Sales by Type (2020-2025) & (K Unit)

Table 50: China Functional Safety Devices Sales by Type (2026-2032) & (K Unit)

Table 51: China Functional Safety Devices Revenue by Type (2020-2025) & (US\$ Million)

Table 52: China Functional Safety Devices Revenue by Type (2026-2032) & (US\$ Million)

Table 53: China Functional Safety Devices Sales by Application (2020-2025) & (K Unit)

Table 54: China Functional Safety Devices Sales by Application (2026-2032) & (K Unit)

Table 55: China Functional Safety Devices Revenue by Application (2020-2025) & (US\$ Million)

Table 56: China Functional Safety Devices Revenue by Application (2026-2032) & (US\$ Million)

Table 57: Key Functional Safety Devices Players in APAC (excl. China)

Table 58: APAC (excl. China) Functional Safety Devices Sales by Type (2020-2025) & (K Unit)

Table 59: APAC (excl. China) Functional Safety Devices Sales by Type (2026-2032) & (K Unit)

Table 60: APAC (excl. China) Functional Safety Devices Revenue by Type (2020-2025) & (US\$ Million)

Table 61: APAC (excl. China) Functional Safety Devices Revenue by Type (2026-2032) & (US\$ Million)

Table 62: APAC (excl. China) Functional Safety Devices Sales by Application (2020-2025) & (K Unit)

Table 63: APAC (excl. China) Functional Safety Devices Sales by Application (2026-2032) & (K Unit)

Table 64: APAC (excl. China) Functional Safety Devices Revenue by Application (2020-2025) & (US\$ Million)

Table 65: APAC (excl. China) Functional Safety Devices Revenue by Application (2026-2032) & (US\$ Million)

Table 66: APAC (excl. China) Functional Safety Devices Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 67: APAC (excl. China) Functional Safety Devices Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 68: APAC (excl. China) Functional Safety Devices Sales Market Size by Country (2020-2025) & (K Unit)

Table 69: APAC (excl. China) Functional Safety Devices Sales Market Size Forecast by Country (2026-2032) & (K Unit)

Table 70: Key Functional Safety Devices Players in Latin America

Table 71: Latin America Functional Safety Devices Sales by Type (2020-2025) & (K Unit)

Table 72: Latin America Functional Safety Devices Sales by Type (2026-2032) & (K Unit)

Table 73: Latin America Functional Safety Devices Revenue by Type (2020-2025) & (US\$ Million)

Table 74: Latin America Functional Safety Devices Revenue by Type (2026-2032) & (US\$ Million)

Table 75: Latin America Functional Safety Devices Sales by Application (2020-2025) & (K Unit)

Table 76: Latin America Functional Safety Devices Sales by Application (2026-2032) & (K Unit)

Table 77: Latin America Functional Safety Devices Revenue by Application (2020-2025) & (US\$ Million)

Table 78: Latin America Functional Safety Devices Revenue by Application (2026-2032) & (US\$ Million)

Table 79: Latin America Functional Safety Devices Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 80: Latin America Functional Safety Devices Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 81: Latin America Functional Safety Devices Sales Market Size by Country (2020-2025) & (K Unit)

Table 82: Latin America Functional Safety Devices Sales Market Size Forecast by Country (2026-2032) & (K Unit)

Table 83: Key Functional Safety Devices Players in Middle East & Africa

Table 84: Middle East & Africa Functional Safety Devices Sales by Type (2020-2025) & (K Unit)

Table 85: Middle East & Africa Functional Safety Devices Sales by Type (2026-2032) &

(K Unit)

Table 86: Middle East & Africa Functional Safety Devices Revenue by Type (2020-2025) & (US\$ Million)

Table 87: Middle East & Africa Functional Safety Devices Revenue by Type (2026-2032) & (US\$ Million)

Table 88: Middle East & Africa Functional Safety Devices Sales by Application (2020-2025) & (K Unit)

Table 89: Middle East & Africa Functional Safety Devices Sales by Application (2026-2032) & (K Unit)

Table 90: Middle East & Africa Functional Safety Devices Revenue by Application (2020-2025) & (US\$ Million)

Table 91: Middle East & Africa Functional Safety Devices Revenue by Application (2026-2032) & (US\$ Million)

Table 92: Middle East & Africa Functional Safety Devices Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 93: Middle East & Africa Functional Safety Devices Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 94: Middle East & Africa Functional Safety Devices Sales Market Size by Country (2020-2025) & (K Unit)

Table 95: Middle East & Africa Functional Safety Devices Sales Market Size Forecast by Country (2026-2032) & (K Unit)

Table 96: Global Functional Safety Devices Market Sales by Key Manufacturers (2021-2025) & (K Unit)

Table 97: Global Functional Safety Devices Sales Market Share by Key Manufacturers (2021-2025)

Table 98: Global Functional Safety Devices Market Revenue by Key Manufacturers (2021-2025) & (US\$ Million)

Table 99: Global Functional Safety Devices Revenue Market Share by Key Manufacturers (2021-2025)

Table 100: Global Average Sales Price by Manufacturers (2021-2025) & (USD/Unit)

Table 101: Global Key Manufacturers Headquarter Location and Key Area Sales

Table 102: Market Mergers & Acquisitions, Expansion

Table 103: Siemens Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 104: Siemens Functional Safety Devices Product Portfolio

Table 105: Siemens Functional Safety Devices Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 106: ABB Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 107: ABB Functional Safety Devices Product Portfolio

Table 108: ABB Functional Safety Devices Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 109: Schneider Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 110: Schneider Functional Safety Devices Product Portfolio

Table 111: Schneider Functional Safety Devices Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 112: Honeywell Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 113: Honeywell Functional Safety Devices Product Portfolio

Table 114: Honeywell Functional Safety Devices Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 115: Rockwell Automation Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 116: Rockwell Automation Functional Safety Devices Product Portfolio

Table 117: Rockwell Automation Functional Safety Devices Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 118: Mitsubishi Electric Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 119: Mitsubishi Electric Functional Safety Devices Product Portfolio

Table 120: Mitsubishi Electric Functional Safety Devices Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 121: Emerson Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 122: Emerson Functional Safety Devices Product Portfolio

Table 123: Emerson Functional Safety Devices Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 124: Yokogawa Electric Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 125: Yokogawa Electric Functional Safety Devices Product Portfolio

Table 126: Yokogawa Electric Functional Safety Devices Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 127: GE Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 128: GE Functional Safety Devices Product Portfolio

Table 129: GE Functional Safety Devices Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 130: TE Connectivity Basic Company Profile (Employees, Areas Service,

Competitors and Contact Information)

Table 131: TE Connectivity Functional Safety Devices Product Portfolio

Table 132: TE Connectivity Functional Safety Devices Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 133: Omron Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 134: Omron Functional Safety Devices Product Portfolio

Table 135: Omron Functional Safety Devices Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 136: SICK Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 137: SICK Functional Safety Devices Product Portfolio

Table 138: SICK Functional Safety Devices Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 139: PILZ Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 140: PILZ Functional Safety Devices Product Portfolio

Table 141: PILZ Functional Safety Devices Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 142: HIMA Paul Hildebrandt Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 143: HIMA Paul Hildebrandt Functional Safety Devices Product Portfolio

Table 144: HIMA Paul Hildebrandt Functional Safety Devices Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 145: Endress+Hauser Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 146: Endress+Hauser Functional Safety Devices Product Portfolio

Table 147: Endress+Hauser Functional Safety Devices Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 148: Eaton Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 149: Eaton Functional Safety Devices Product Portfolio

Table 150: Eaton Functional Safety Devices Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 151: Upstream Key Raw Material Price List

Table 152: Functional Safety Devices Raw Material Suppliers and Contact Information

Table 153: Functional Safety Devices Typical Customer List

Table 154: Functional Safety Devices Distributors List

List Of Figures

LIST OF FIGURES

- Figure 1: Functional Safety Devices Product Pictures
- Figure 2: Safety Sensors Picture Scope
- Figure 3: Safety PLCs Picture Scope
- Figure 4: Safety Relays Picture Scope
- Figure 5: Safety Valves Picture Scope
- Figure 6: Safety Actuators Picture Scope
- Figure 7: Safety Switchs Picture Scope
- Figure 8: Others Picture Scope
- Figure 9: Automotive Picture Scope
- Figure 10: Rail Transit Picture Scope
- Figure 11: Chemical Picture Scope
- Figure 12: Oil and Gas Picture Scope
- Figure 13: Medical Picture Scope
- Figure 14: Power Generation Picture Scope
- Figure 15: Elevator and Escalator Picture Scope
- Figure 16: Others Picture Scope
- Figure 17:Global Functional Safety Devices Market Size Analysis: 2024 VS 2025 VS 2032 (US\$ Million)
- Figure 18:Global Functional Safety Devices Market Revenue and Growth Rate Analysis: (2020-2032) & (US\$ Million)
- Figure 19:Global Functional Safety Devices Market Sales and Growth Rate Analysis (2020-2032) &(K Unit)
- Figure 20:Global Functional Safety Devices Market Price Trend Analysis (2020-2032) & (USD/Unit)
- Figure 21:Global Functional Safety Devices Market Size by Region (2020-2032) & (US\$ Million)
- Figure 22:Global Functional Safety Devices Market Share Scenario by Region in Percentage: 2025 Versus 2032
- Figure 23:Global Functional Safety Devices Sales Price by Region (2020-2032) & (K Unit)
- Figure 24:North America Functional Safety Devices Market Size and Growth Rate (2020-2032) & (US\$ Million)
- Figure 25:North America Functional Safety Devices Revenue Market Share by Players in 2024
- Figure 26:North America Functional Safety Devices Sales Market Share by Type

(2020-2032)

Figure 27:North America Functional Safety Devices Revenue Market Share by Type (2020-2032)

Figure 28:North America Functional Safety Devices Sales Market Share by Application (2020-2032)

Figure 29:North America Functional Safety Devices Revenue Market Share by Application (2020-2032)

Figure 30:US Functional Safety Devices Revenue (2020-2032) & (US\$ Million)

Figure 31:Canada Functional Safety Devices Revenue (2020-2032) & (US\$ Million)

Figure 32:Europe Functional Safety Devices Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 33:Europe Functional Safety Devices Revenue Market Share by Players in 2024

Figure 34:Europe Functional Safety Devices Sales Market Share by Type (2020-2032)

Figure 35:Europe Functional Safety Devices Revenue Market Share by Type (2020-2032)

Figure 36:Europe Functional Safety Devices Sales Market Share by Application (2020-2032)

Figure 37:Europe Functional Safety Devices Revenue Market Share by Application (2020-2032)

Figure 38:Germany Functional Safety Devices Revenue (2020-2032) & (US\$ Million)

Figure 39:France Functional Safety Devices Revenue (2020-2032) & (US\$ Million)

Figure 40:United Kingdom Functional Safety Devices Revenue (2020-2032) & (US\$ Million)

Figure 41:Italy Functional Safety Devices Revenue (2020-2032) & (US\$ Million)

Figure 42:Spain Functional Safety Devices Revenue (2020-2032) & (US\$ Million)

Figure 43:Benelux Functional Safety Devices Revenue (2020-2032) & (US\$ Million)

Figure 44:China Functional Safety Devices Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 45:China Functional Safety Devices Revenue Market Share by Players in 2024

Figure 46:China Functional Safety Devices Sales Market Share by Type (2020-2032)

Figure 47:China Functional Safety Devices Revenue Market Share by Type (2020-2032)

Figure 48:China Functional Safety Devices Sales Market Share by Application (2020-2032)

Figure 49:China Functional Safety Devices Revenue Market Share by Application (2020-2032)

Figure 50:APAC (excl. China) Functional Safety Devices Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 51:APAC (excl. China) Functional Safety Devices Revenue Market Share by

Players in 2024

Figure 52:APAC (excl. China) Functional Safety Devices Sales Market Share by Type (2020-2032)

Figure 53:APAC (excl. China) Functional Safety Devices Revenue Market Share by Type (2020-2032)

Figure 54:APAC (excl. China) Functional Safety Devices Sales Market Share by Application (2020-2032)

Figure 55:APAC (excl. China) Functional Safety Devices Revenue Market Share by Application (2020-2032)

Figure 56:Japan Functional Safety Devices Revenue (2020-2032) & (US\$ Million)

Figure 57:South Korea Functional Safety Devices Revenue (2020-2032) & (US\$ Million)

Figure 58:India Functional Safety Devices Revenue (2020-2032) & (US\$ Million)

Figure 59:Australia Functional Safety Devices Revenue (2020-2032) & (US\$ Million)

Figure 60:Southeast Asia Functional Safety Devices Revenue (2020-2032) & (US\$ Million)

Figure 61:Latin America Functional Safety Devices Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 62:Latin America Functional Safety Devices Revenue Market Share by Players in 2024

Figure 63:Latin America Functional Safety Devices Sales Market Share by Type (2020-2032)

Figure 64:Latin America Functional Safety Devices Revenue Market Share by Type (2020-2032)

Figure 65:Latin America Functional Safety Devices Sales Market Share by Application (2020-2032)

Figure 66:Latin America Functional Safety Devices Revenue Market Share by Application (2020-2032)

Figure 67:Mexico Functional Safety Devices Revenue (2020-2032) & (US\$ Million)

Figure 68:Brazil Functional Safety Devices Revenue (2020-2032) & (US\$ Million)

Figure 69:Middle East & Africa Functional Safety Devices Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 70:Middle East & Africa Functional Safety Devices Revenue Market Share by Players in 2024

Figure 71:Middle East & Africa Functional Safety Devices Sales Market Share by Type (2020-2032)

Figure 72:Middle East & Africa Functional Safety Devices Revenue Market Share by Type (2020-2032)

Figure 73:Middle East & Africa Functional Safety Devices Sales Market Share by Application (2020-2032)

Figure 74: Middle East & Africa Functional Safety Devices Revenue Market Share by Application (2020-2032)

Figure 75: Saudi Arabia Functional Safety Devices Revenue (2020-2032) & (US\$ Million)

Figure 76: South Africa Functional Safety Devices Revenue (2020-2032) & (US\$ Million)

Figure 77: Global Functional Safety Devices Sales Market Share by Key Manufacturers in 2024

Figure 78: Global Functional Safety Devices Revenue Market Share by Key Manufacturers in 2024

Figure 79: Global Functional Safety Devices Industry Competition Landscape

Figure 80: Functional Safety Devices Industry Chain Analysis

Figure 81: Bottom-Up and Top-Down Research Methods

Figure 82: Key Interview Objectives

Figure 83: Data Cross Validation

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