

Global LED Overcurrent Protection Device Market Research Report 2026(Status and Outlook)

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Abstracts

The 2025 U.S. tariff policies introduce profound uncertainty into the global economic landscape. This report critically examines the implications of recent tariff adjustments and international strategic countermeasures on LED Overcurrent Protection Device competitive dynamics, regional economic interdependencies, and supply chain reconfigurations. In 2024, global LED Overcurrent Protection Device production reached approximately 756 million units, with an average global market price of around US\$ 0.82 per unit. An LED overcurrent protection device is an electronic component or circuit designed to prevent damage to LED lighting systems by limiting excessive current flow. These devices detect abnormal current spikes and either limit, interrupt, or divert the current to protect the LEDs and associated circuitry. Common types include PTC thermistors, polymer resettable fuses, current-limiting ICs, and electronic circuit breakers. They are widely used in LED drivers, lighting fixtures, automotive LEDs, and signage systems.

The global LED Overcurrent Protection Device market size was estimated at USD 620.0 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 6.50% during the forecast period.

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

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market

positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global LED Overcurrent Protection Device market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the LED Overcurrent Protection Device market.

Global LED Overcurrent Protection Device Market: Market Segmentation Analysis

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

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

Key Company

LED Overvoltage Protection Device

Bourns

Littelfuse

Eaton

ON Semiconductor

STMicroelectronics

Infineon Technologies

Analog Devices

OSRAM

TI
ON Semiconductor
Murata
JCET

Market Segmentation (by Type)

Plug-In Type
Surface Mount Type
Din Rail Mounting Type

Market Segmentation (by Application)

Electronics
Power Industry
Communcations
Other

Geographic Segmentation

North America (USA, Canada, Mexico)

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

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

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

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

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study
Neutral perspective on the market performance
Recent industry trends and developments
Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered
Historical, current, and projected market size, in terms of value
In-depth analysis of the LED Overcurrent Protection Device Market
Overview of the regional outlook of the LED Overcurrent Protection Device Market:

Customization of the Report

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

Chapter Outline

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

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

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

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

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

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

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

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

Chapter 9 shares the main producing countries of LED Overcurrent Protection Device, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

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

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

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

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

Key Reasons to Buy this Report:

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

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

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

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

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

Indicates the region and segment that is expected to witness the fastest growth

as well as to dominate the market

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

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

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

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

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

Provides insight into the market through Value Chain

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

6-month post-sales analyst support

Customization of the Report

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Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

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

2 LED OVERCURRENT PROTECTION DEVICE MARKET OVERVIEW

- 2.1 Global Market Overview
 - 2.1.1 Global LED Overcurrent Protection Device Market Size (M USD) Estimates and Forecasts (2020-2035)
 - 2.1.2 Global LED Overcurrent Protection Device Sales Estimates and Forecasts (2020-2035)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

3 LED OVERCURRENT PROTECTION DEVICE MARKET COMPETITIVE LANDSCAPE

- 3.1 Company Assessment Quadrant
- 3.2 Global LED Overcurrent Protection Device Product Life Cycle
- 3.3 Global LED Overcurrent Protection Device Sales by Manufacturers (2020-2025)
- 3.4 Global LED Overcurrent Protection Device Revenue Market Share by Manufacturers (2020-2025)
- 3.5 LED Overcurrent Protection Device Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.6 Global LED Overcurrent Protection Device Average Price by Manufacturers (2020-2025)
- 3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types
- 3.8 LED Overcurrent Protection Device Market Competitive Situation and Trends

- 3.8.1 LED Overcurrent Protection Device Market Concentration Rate
- 3.8.2 Global 5 and 10 Largest LED Overcurrent Protection Device Players Market Share by Revenue
- 3.8.3 Mergers & Acquisitions, Expansion

4 LED OVERCURRENT PROTECTION DEVICE INDUSTRY CHAIN ANALYSIS

- 4.1 LED Overcurrent Protection Device Industry Chain Analysis
- 4.2 Market Overview of Key Raw Materials
- 4.3 Midstream Market Analysis
- 4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF LED OVERCURRENT PROTECTION DEVICE MARKET

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Industry News
 - 5.4.1 New Product Developments
 - 5.4.2 Mergers & Acquisitions
 - 5.4.3 Expansions
 - 5.4.4 Collaboration/Supply Contracts
- 5.5 PEST Analysis
 - 5.5.1 Industry Policies Analysis
 - 5.5.2 Economic Environment Analysis
 - 5.5.3 Social Environment Analysis
 - 5.5.4 Technological Environment Analysis
- 5.6 Global LED Overcurrent Protection Device Market Porter's Five Forces Analysis
 - 5.6.1 Global Trade Frictions
 - 5.6.2 U.S. Tariff Policy ? April 2025
 - 5.6.3 Global Trade Frictions and Their Impacts to LED Overcurrent Protection Device Market
- 5.7 ESG Ratings of Leading Companies

6 LED OVERCURRENT PROTECTION DEVICE MARKET SEGMENTATION BY TYPE

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global LED Overcurrent Protection Device Sales Market Share by Type (2020-2025)

6.3 Global LED Overcurrent Protection Device Market Size by Type (2020-2025)

6.4 Global LED Overcurrent Protection Device Price by Type (2020-2025)

7 LED OVERCURRENT PROTECTION DEVICE MARKET SEGMENTATION BY APPLICATION

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global LED Overcurrent Protection Device Market Sales by Application (2020-2025)

7.3 Global LED Overcurrent Protection Device Market Size (M USD) by Application (2020-2025)

7.4 Global LED Overcurrent Protection Device Sales Growth Rate by Application (2020-2025)

8 LED OVERCURRENT PROTECTION DEVICE MARKET SALES BY REGION

8.1 Global LED Overcurrent Protection Device Sales by Region

8.1.1 Global LED Overcurrent Protection Device Sales by Region

8.1.2 Global LED Overcurrent Protection Device Sales Market Share by Region

8.2 Global LED Overcurrent Protection Device Market Size by Region

8.2.1 Global LED Overcurrent Protection Device Market Size by Region

8.2.2 Global LED Overcurrent Protection Device Market Size by Region

8.3 North America

8.3.1 North America LED Overcurrent Protection Device Sales by Country

8.3.2 North America LED Overcurrent Protection Device Market Size by Country

8.3.3 U.S. Market Overview

8.3.4 Canada Market Overview

8.3.5 Mexico Market Overview

8.4 Europe

8.4.1 Europe LED Overcurrent Protection Device Sales by Country

8.4.2 Europe LED Overcurrent Protection Device Market Size by Country

8.4.3 Germany Market Overview

8.4.4 France Market Overview

8.4.5 U.K. Market Overview

8.4.6 Italy Market Overview

8.4.7 Spain Market Overview

8.5 Asia Pacific

8.5.1 Asia Pacific LED Overcurrent Protection Device Sales by Region

- 8.5.2 Asia Pacific LED Overcurrent Protection Device Market Size by Region
- 8.5.3 China Market Overview
- 8.5.4 Japan Market Overview
- 8.5.5 South Korea Market Overview
- 8.5.6 India Market Overview
- 8.5.7 Southeast Asia Market Overview
- 8.6 South America
 - 8.6.1 South America LED Overcurrent Protection Device Sales by Country
 - 8.6.2 South America LED Overcurrent Protection Device Market Size by Country
 - 8.6.3 Brazil Market Overview
 - 8.6.4 Argentina Market Overview
 - 8.6.5 Columbia Market Overview
- 8.7 Middle East and Africa
 - 8.7.1 Middle East and Africa LED Overcurrent Protection Device Sales by Region
 - 8.7.2 Middle East and Africa LED Overcurrent Protection Device Market Size by Region
 - 8.7.3 Saudi Arabia Market Overview
 - 8.7.4 UAE Market Overview
 - 8.7.5 Egypt Market Overview
 - 8.7.6 Nigeria Market Overview
 - 8.7.7 South Africa Market Overview

9 LED OVERCURRENT PROTECTION DEVICE MARKET PRODUCTION BY REGION

- 9.1 Global Production of LED Overcurrent Protection Device by Region(2020-2025)
- 9.2 Global LED Overcurrent Protection Device Revenue Market Share by Region (2020-2025)
- 9.3 Global LED Overcurrent Protection Device Production, Revenue, Price and Gross Margin (2020-2025)
- 9.4 North America LED Overcurrent Protection Device Production
 - 9.4.1 North America LED Overcurrent Protection Device Production Growth Rate (2020-2025)
 - 9.4.2 North America LED Overcurrent Protection Device Production, Revenue, Price and Gross Margin (2020-2025)
- 9.5 Europe LED Overcurrent Protection Device Production
 - 9.5.1 Europe LED Overcurrent Protection Device Production Growth Rate (2020-2025)
 - 9.5.2 Europe LED Overcurrent Protection Device Production, Revenue, Price and Gross Margin (2020-2025)

9.6 Japan LED Overcurrent Protection Device Production (2020-2025)

9.6.1 Japan LED Overcurrent Protection Device Production Growth Rate (2020-2025)

9.6.2 Japan LED Overcurrent Protection Device Production, Revenue, Price and Gross Margin (2020-2025)

9.7 China LED Overcurrent Protection Device Production (2020-2025)

9.7.1 China LED Overcurrent Protection Device Production Growth Rate (2020-2025)

9.7.2 China LED Overcurrent Protection Device Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

10.1 LED Overvoltage Protection Device

10.1.1 LED Overvoltage Protection Device Basic Information

10.1.2 LED Overvoltage Protection Device LED Overcurrent Protection Device Product Overview

10.1.3 LED Overvoltage Protection Device LED Overcurrent Protection Device Product Market Performance

10.1.4 LED Overvoltage Protection Device Business Overview

10.1.5 LED Overvoltage Protection Device SWOT Analysis

10.1.6 LED Overvoltage Protection Device Recent Developments

10.2 Bourns

10.2.1 Bourns Basic Information

10.2.2 Bourns LED Overcurrent Protection Device Product Overview

10.2.3 Bourns LED Overcurrent Protection Device Product Market Performance

10.2.4 Bourns Business Overview

10.2.5 Bourns SWOT Analysis

10.2.6 Bourns Recent Developments

10.3 Littelfuse

10.3.1 Littelfuse Basic Information

10.3.2 Littelfuse LED Overcurrent Protection Device Product Overview

10.3.3 Littelfuse LED Overcurrent Protection Device Product Market Performance

10.3.4 Littelfuse Business Overview

10.3.5 Littelfuse SWOT Analysis

10.3.6 Littelfuse Recent Developments

10.4 Eaton

10.4.1 Eaton Basic Information

10.4.2 Eaton LED Overcurrent Protection Device Product Overview

10.4.3 Eaton LED Overcurrent Protection Device Product Market Performance

10.4.4 Eaton Business Overview

- 10.4.5 Eaton Recent Developments
- 10.5 ON Semiconductor
 - 10.5.1 ON Semiconductor Basic Information
 - 10.5.2 ON Semiconductor LED Overcurrent Protection Device Product Overview
 - 10.5.3 ON Semiconductor LED Overcurrent Protection Device Product Market Performance
 - 10.5.4 ON Semiconductor Business Overview
 - 10.5.5 ON Semiconductor Recent Developments
- 10.6 STMicroelectronics
 - 10.6.1 STMicroelectronics Basic Information
 - 10.6.2 STMicroelectronics LED Overcurrent Protection Device Product Overview
 - 10.6.3 STMicroelectronics LED Overcurrent Protection Device Product Market Performance
 - 10.6.4 STMicroelectronics Business Overview
 - 10.6.5 STMicroelectronics Recent Developments
- 10.7 Infineon Technologies
 - 10.7.1 Infineon Technologies Basic Information
 - 10.7.2 Infineon Technologies LED Overcurrent Protection Device Product Overview
 - 10.7.3 Infineon Technologies LED Overcurrent Protection Device Product Market Performance
 - 10.7.4 Infineon Technologies Business Overview
 - 10.7.5 Infineon Technologies Recent Developments
- 10.8 Analog Devices
 - 10.8.1 Analog Devices Basic Information
 - 10.8.2 Analog Devices LED Overcurrent Protection Device Product Overview
 - 10.8.3 Analog Devices LED Overcurrent Protection Device Product Market Performance
 - 10.8.4 Analog Devices Business Overview
 - 10.8.5 Analog Devices Recent Developments
- 10.9 OSRAM
 - 10.9.1 OSRAM Basic Information
 - 10.9.2 OSRAM LED Overcurrent Protection Device Product Overview
 - 10.9.3 OSRAM LED Overcurrent Protection Device Product Market Performance
 - 10.9.4 OSRAM Business Overview
 - 10.9.5 OSRAM Recent Developments
- 10.10 TI
 - 10.10.1 TI Basic Information
 - 10.10.2 TI LED Overcurrent Protection Device Product Overview
 - 10.10.3 TI LED Overcurrent Protection Device Product Market Performance

- 10.10.4 TI Business Overview
- 10.10.5 TI Recent Developments
- 10.11 ON Semiconductor
 - 10.11.1 ON Semiconductor Basic Information
 - 10.11.2 ON Semiconductor LED Overcurrent Protection Device Product Overview
 - 10.11.3 ON Semiconductor LED Overcurrent Protection Device Product Market Performance
 - 10.11.4 ON Semiconductor Business Overview
 - 10.11.5 ON Semiconductor Recent Developments
- 10.12 Murata
 - 10.12.1 Murata Basic Information
 - 10.12.2 Murata LED Overcurrent Protection Device Product Overview
 - 10.12.3 Murata LED Overcurrent Protection Device Product Market Performance
 - 10.12.4 Murata Business Overview
 - 10.12.5 Murata Recent Developments
- 10.13 JCET
 - 10.13.1 JCET Basic Information
 - 10.13.2 JCET LED Overcurrent Protection Device Product Overview
 - 10.13.3 JCET LED Overcurrent Protection Device Product Market Performance
 - 10.13.4 JCET Business Overview
 - 10.13.5 JCET Recent Developments

11 LED OVERCURRENT PROTECTION DEVICE MARKET FORECAST BY REGION

- 11.1 Global LED Overcurrent Protection Device Market Size Forecast
- 11.2 Global LED Overcurrent Protection Device Market Forecast by Region
 - 11.2.1 North America Market Size Forecast by Country
 - 11.2.2 Europe LED Overcurrent Protection Device Market Size Forecast by Country
 - 11.2.3 Asia Pacific LED Overcurrent Protection Device Market Size Forecast by Region
 - 11.2.4 South America LED Overcurrent Protection Device Market Size Forecast by Country
 - 11.2.5 Middle East and Africa Forecasted Sales of LED Overcurrent Protection Device by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2035)

- 12.1 Global LED Overcurrent Protection Device Market Forecast by Type (2026-2035)
 - 12.1.1 Global Forecasted Sales of LED Overcurrent Protection Device by Type

(2026-2035)

12.1.2 Global LED Overcurrent Protection Device Market Size Forecast by Type

(2026-2035)

12.1.3 Global Forecasted Price of LED Overcurrent Protection Device by Type

(2026-2035)

12.2 Global LED Overcurrent Protection Device Market Forecast by Application

(2026-2035)

12.2.1 Global LED Overcurrent Protection Device Sales (K Units) Forecast by Application

12.2.2 Global LED Overcurrent Protection Device Market Size (M USD) Forecast by Application (2026-2035)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Global LED Overcurrent Protection Device Market Size by Type (M USD)

Table 4. Global LED Overcurrent Protection Device Market Size by Application

Table 5. LED Overcurrent Protection Device Market Size Comparison by Region (M USD)

Table 6. Global LED Overcurrent Protection Device Sales (K Units) by Manufacturers (2020-2025)

Table 7. Global LED Overcurrent Protection Device Sales Market Share by Manufacturers (2020-2025)

Table 8. Global LED Overcurrent Protection Device Revenue (M USD) by Manufacturers (2020-2025)

Table 9. Global LED Overcurrent Protection Device Revenue Share by Manufacturers (2020-2025)

Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in LED Overcurrent Protection Device as of 2025)

Table 11. Global Market LED Overcurrent Protection Device Average Price (USD/Unit) of Key Manufacturers (2020-2025)

Table 12. Manufacturers? Manufacturing Sites, Areas Served

Table 13. Manufacturers? Product Type

Table 14. Global LED Overcurrent Protection Device Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 15. Mergers & Acquisitions, Expansion Plans

Table 16. Market Overview of Key Raw Materials

Table 17. Midstream Market Analysis

Table 18. Downstream Customer Analysis

Table 19. Key Development Trends

Table 20. Driving Factors

Table 21. LED Overcurrent Protection Device Market Challenges

Table 22. Goldman Sachs' forecast real GDP growth rate for 2025-2026

Table 23. S&P Global ' Forecast Real GDP Growth Rate For 2025-2027

Table 24. World Bank ' Forecast Real GDP Growth Rate For 2025-2026

Table 25. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries

Table 26. Global LED Overcurrent Protection Device Sales by Type (K Units)

Table 27. Global LED Overcurrent Protection Device Market Size by Type (M USD)

Table 28. Global LED Overcurrent Protection Device Sales (K Units) by Type (2020-2025)

Table 29. Global LED Overcurrent Protection Device Sales Market Share by Type (2020-2025)

Table 30. Global LED Overcurrent Protection Device Market Size (M USD) by Type (2020-2025)

Table 31. Global LED Overcurrent Protection Device Market Share by Type (2020-2025)

Table 32. Global LED Overcurrent Protection Device Price (USD/Unit) by Type (2020-2025)

Table 33. Global LED Overcurrent Protection Device Sales (K Units) by Application

Table 34. Global LED Overcurrent Protection Device Market Size by Application

Table 35. Global LED Overcurrent Protection Device Sales by Application (2020-2025) & (K Units)

Table 36. Global LED Overcurrent Protection Device Sales Market Share by Application (2020-2025)

Table 37. Global LED Overcurrent Protection Device Market Size by Application (2020-2025) & (M USD)

Table 38. Global LED Overcurrent Protection Device Market Share by Application (2020-2025)

Table 39. Global LED Overcurrent Protection Device Sales Growth Rate by Application (2020-2025)

Table 40. Global LED Overcurrent Protection Device Sales by Region (2020-2025) & (K Units)

Table 41. Global LED Overcurrent Protection Device Sales Market Share by Region (2020-2025)

Table 42. Global LED Overcurrent Protection Device Market Size by Region (2020-2025) & (M USD)

Table 43. Global LED Overcurrent Protection Device Market Size by Region (2020-2025)

Table 44. North America LED Overcurrent Protection Device Sales by Country (2020-2025) & (K Units)

Table 45. North America LED Overcurrent Protection Device Market Size by Country (2020-2025) & (M USD)

Table 46. Europe LED Overcurrent Protection Device Sales by Country (2020-2025) & (K Units)

Table 47. Europe LED Overcurrent Protection Device Market Size by Country (2020-2025) & (M USD)

Table 48. Asia Pacific LED Overcurrent Protection Device Sales by Region (2020-2025) & (K Units)

Table 49. Asia Pacific LED Overcurrent Protection Device Market Size by Region (2020-2025) & (M USD)

Table 50. South America LED Overcurrent Protection Device Sales by Country (2020-2025) & (K Units)

Table 51. South America LED Overcurrent Protection Device Market Size by Country (2020-2025) & (M USD)

Table 52. Middle East and Africa LED Overcurrent Protection Device Sales by Region (2020-2025) & (K Units)

Table 53. Middle East and Africa LED Overcurrent Protection Device Market Size by Region (2020-2025) & (M USD)

Table 54. Global LED Overcurrent Protection Device Production (K Units) by Region(2020-2025)

Table 55. Global LED Overcurrent Protection Device Revenue (US\$ Million) by Region (2020-2025)

Table 56. Global LED Overcurrent Protection Device Revenue Market Share by Region (2020-2025)

Table 57. Global LED Overcurrent Protection Device Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 58. North America LED Overcurrent Protection Device Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 59. Europe LED Overcurrent Protection Device Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 60. Japan LED Overcurrent Protection Device Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 61. China LED Overcurrent Protection Device Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 62. LED Overvoltage Protection Device Basic Information

Table 63. LED Overvoltage Protection Device LED Overcurrent Protection Device Product Overview

Table 64. LED Overvoltage Protection Device LED Overcurrent Protection Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 65. LED Overvoltage Protection Device Business Overview

Table 66. LED Overvoltage Protection Device SWOT Analysis

Table 67. LED Overvoltage Protection Device Recent Developments

Table 68. Bourns Basic Information

Table 69. Bourns LED Overcurrent Protection Device Product Overview

Table 70. Bourns LED Overcurrent Protection Device Sales (K Units), Revenue (M

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

Table 71. Bourns Business Overview

Table 72. Bourns SWOT Analysis

Table 73. Bourns Recent Developments

Table 74. Littelfuse Basic Information

Table 75. Littelfuse LED Overcurrent Protection Device Product Overview

Table 76. Littelfuse LED Overcurrent Protection Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 77. Littelfuse Business Overview

Table 78. Littelfuse SWOT Analysis

Table 79. Littelfuse Recent Developments

Table 80. Eaton Basic Information

Table 81. Eaton LED Overcurrent Protection Device Product Overview

Table 82. Eaton LED Overcurrent Protection Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 83. Eaton Business Overview

Table 84. Eaton Recent Developments

Table 85. ON Semiconductor Basic Information

Table 86. ON Semiconductor LED Overcurrent Protection Device Product Overview

Table 87. ON Semiconductor LED Overcurrent Protection Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 88. ON Semiconductor Business Overview

Table 89. ON Semiconductor Recent Developments

Table 90. STMicroelectronics Basic Information

Table 91. STMicroelectronics LED Overcurrent Protection Device Product Overview

Table 92. STMicroelectronics LED Overcurrent Protection Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 93. STMicroelectronics Business Overview

Table 94. STMicroelectronics Recent Developments

Table 95. Infineon Technologies Basic Information

Table 96. Infineon Technologies LED Overcurrent Protection Device Product Overview

Table 97. Infineon Technologies LED Overcurrent Protection Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 98. Infineon Technologies Business Overview

Table 99. Infineon Technologies Recent Developments

Table 100. Analog Devices Basic Information

Table 101. Analog Devices LED Overcurrent Protection Device Product Overview

Table 102. Analog Devices LED Overcurrent Protection Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 103. Analog Devices Business Overview

Table 104. Analog Devices Recent Developments

Table 105. OSRAM Basic Information

Table 106. OSRAM LED Overcurrent Protection Device Product Overview

Table 107. OSRAM LED Overcurrent Protection Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 108. OSRAM Business Overview

Table 109. OSRAM Recent Developments

Table 110. TI Basic Information

Table 111. TI LED Overcurrent Protection Device Product Overview

Table 112. TI LED Overcurrent Protection Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 113. TI Business Overview

Table 114. TI Recent Developments

Table 115. ON Semiconductor Basic Information

Table 116. ON Semiconductor LED Overcurrent Protection Device Product Overview

Table 117. ON Semiconductor LED Overcurrent Protection Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 118. ON Semiconductor Business Overview

Table 119. ON Semiconductor Recent Developments

Table 120. Murata Basic Information

Table 121. Murata LED Overcurrent Protection Device Product Overview

Table 122. Murata LED Overcurrent Protection Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 123. Murata Business Overview

Table 124. Murata Recent Developments

Table 125. JCET Basic Information

Table 126. JCET LED Overcurrent Protection Device Product Overview

Table 127. JCET LED Overcurrent Protection Device Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 128. JCET Business Overview

Table 129. JCET Recent Developments

Table 130. Global LED Overcurrent Protection Device Sales Forecast by Region (2026-2035) & (K Units)

Table 131. Global LED Overcurrent Protection Device Market Size Forecast by Region (2026-2035) & (M USD)

Table 132. North America LED Overcurrent Protection Device Sales Forecast by Country (2026-2035) & (K Units)

Table 133. North America LED Overcurrent Protection Device Market Size Forecast by

Country (2026-2035) & (M USD)

Table 134. Europe LED Overcurrent Protection Device Sales Forecast by Country (2026-2035) & (K Units)

Table 135. Europe LED Overcurrent Protection Device Market Size Forecast by Country (2026-2035) & (M USD)

Table 136. Asia Pacific LED Overcurrent Protection Device Sales Forecast by Region (2026-2035) & (K Units)

Table 137. Asia Pacific LED Overcurrent Protection Device Market Size Forecast by Region (2026-2035) & (M USD)

Table 138. South America LED Overcurrent Protection Device Sales Forecast by Country (2026-2035) & (K Units)

Table 139. South America LED Overcurrent Protection Device Market Size Forecast by Country (2026-2035) & (M USD)

Table 140. Middle East and Africa LED Overcurrent Protection Device Sales Forecast by Country (2026-2035) & (Units)

Table 141. Middle East and Africa LED Overcurrent Protection Device Market Size Forecast by Country (2026-2035) & (M USD)

Table 142. Global LED Overcurrent Protection Device Sales Forecast by Type (2026-2035) & (K Units)

Table 143. Global LED Overcurrent Protection Device Market Size Forecast by Type (2026-2035) & (M USD)

Table 144. Global LED Overcurrent Protection Device Price Forecast by Type (2026-2035) & (USD/Unit)

Table 145. Global LED Overcurrent Protection Device Sales (K Units) Forecast by Application (2026-2035)

Table 146. Global LED Overcurrent Protection Device Market Size Forecast by Application (2026-2035) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of LED Overcurrent Protection Device
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global LED Overcurrent Protection Device Market Size (M USD), 2025-2035
- Figure 5. Global LED Overcurrent Protection Device Market Size (M USD) (2020-2035)
- Figure 6. Global LED Overcurrent Protection Device Sales (K Units) & (2020-2035)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. LED Overcurrent Protection Device Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global LED Overcurrent Protection Device Product Life Cycle
- Figure 13. LED Overcurrent Protection Device Sales Share by Manufacturers in 2025
- Figure 14. Global LED Overcurrent Protection Device Revenue Share by Manufacturers in 2025
- Figure 15. LED Overcurrent Protection Device Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2025
- Figure 16. Global Market LED Overcurrent Protection Device Average Price (USD/Unit) of Key Manufacturers in 2025
- Figure 17. The Global 5 and 10 Largest Players: Market Share by LED Overcurrent Protection Device Revenue in 2025
- Figure 18. Industry Chain Map of LED Overcurrent Protection Device
- Figure 19. Global LED Overcurrent Protection Device Market PEST Analysis
- Figure 20. Global LED Overcurrent Protection Device Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global LED Overcurrent Protection Device Market Share by Type
- Figure 27. Sales Market Share of LED Overcurrent Protection Device by Type (2020-2025)
- Figure 28. Sales Market Share of LED Overcurrent Protection Device by Type in 2025
- Figure 29. Market Share of LED Overcurrent Protection Device by Type (2020-2025)

- Figure 30. Market Share of LED Overcurrent Protection Device by Type in 2025
- Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 32. Global LED Overcurrent Protection Device Market Share by Application
- Figure 33. Global LED Overcurrent Protection Device Sales Market Share by Application (2020-2025)
- Figure 34. Global LED Overcurrent Protection Device Sales Market Share by Application in 2025
- Figure 35. Global LED Overcurrent Protection Device Market Share by Application (2020-2025)
- Figure 36. Global LED Overcurrent Protection Device Market Share by Application in 2025
- Figure 37. Global LED Overcurrent Protection Device Sales Growth Rate by Application (2020-2025)
- Figure 38. Global LED Overcurrent Protection Device Sales Market Share by Region (2020-2025)
- Figure 39. Global LED Overcurrent Protection Device Market Size by Region (2020-2025)
- Figure 40. North America LED Overcurrent Protection Device Sales and Growth Rate (2020-2025) & (K Units)
- Figure 41. North America LED Overcurrent Protection Device Sales and Growth Rate (2020-2025) & (K Units)
- Figure 42. North America LED Overcurrent Protection Device Sales Market Share by Country in 2024
- Figure 43. North America LED Overcurrent Protection Device Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 44. North America LED Overcurrent Protection Device Market Size by Country in 2024
- Figure 45. U.S. LED Overcurrent Protection Device Sales and Growth Rate (2020-2025) & (K Units)
- Figure 46. U.S. LED Overcurrent Protection Device Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 47. Canada LED Overcurrent Protection Device Sales (K Units) and Growth Rate (2020-2025)
- Figure 48. Canada LED Overcurrent Protection Device Market Size (M USD) and Growth Rate (2020-2025)
- Figure 49. Mexico LED Overcurrent Protection Device Sales (Units) and Growth Rate (2020-2025)
- Figure 50. Mexico LED Overcurrent Protection Device Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe LED Overcurrent Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 52. Europe LED Overcurrent Protection Device Sales Market Share by Country in 2024

Figure 53. Europe LED Overcurrent Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe LED Overcurrent Protection Device Market Size by Country in 2024

Figure 55. Germany LED Overcurrent Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 56. Germany LED Overcurrent Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France LED Overcurrent Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 58. France LED Overcurrent Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. LED Overcurrent Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 60. U.K. LED Overcurrent Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy LED Overcurrent Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 62. Italy LED Overcurrent Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain LED Overcurrent Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 64. Spain LED Overcurrent Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific LED Overcurrent Protection Device Sales and Growth Rate (K Units)

Figure 66. Asia Pacific LED Overcurrent Protection Device Sales Market Share by Region in 2024

Figure 67. Asia Pacific LED Overcurrent Protection Device Market Size by Region in 2024

Figure 68. China LED Overcurrent Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 69. China LED Overcurrent Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan LED Overcurrent Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 71. Japan LED Overcurrent Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea LED Overcurrent Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 73. South Korea LED Overcurrent Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India LED Overcurrent Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 75. India LED Overcurrent Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia LED Overcurrent Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 77. Southeast Asia LED Overcurrent Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America LED Overcurrent Protection Device Sales and Growth Rate (K Units)

Figure 79. South America LED Overcurrent Protection Device Sales Market Share by Country in 2024

Figure 80. South America LED Overcurrent Protection Device Market Size and Growth Rate (M USD)

Figure 81. South America LED Overcurrent Protection Device Market Size by Country in 2024

Figure 82. Brazil LED Overcurrent Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 83. Brazil LED Overcurrent Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina LED Overcurrent Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 85. Argentina LED Overcurrent Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia LED Overcurrent Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 87. Columbia LED Overcurrent Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa LED Overcurrent Protection Device Sales and Growth Rate (K Units)

Figure 89. Middle East and Africa LED Overcurrent Protection Device Sales Market Share by Region in 2024

Figure 90. Middle East and Africa LED Overcurrent Protection Device Market Size and

Growth Rate (M USD)

Figure 91. Middle East and Africa LED Overcurrent Protection Device Market Size by Region in 2024

Figure 92. Saudi Arabia LED Overcurrent Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 93. Saudi Arabia LED Overcurrent Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE LED Overcurrent Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 95. UAE LED Overcurrent Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt LED Overcurrent Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 97. Egypt LED Overcurrent Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria LED Overcurrent Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 99. Nigeria LED Overcurrent Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa LED Overcurrent Protection Device Sales and Growth Rate (2020-2025) & (K Units)

Figure 101. South Africa LED Overcurrent Protection Device Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global LED Overcurrent Protection Device Production Market Share by Region (2020-2025)

Figure 103. North America LED Overcurrent Protection Device Production (K Units) Growth Rate (2020-2025)

Figure 104. Europe LED Overcurrent Protection Device Production (K Units) Growth Rate (2020-2025)

Figure 105. Japan LED Overcurrent Protection Device Production (K Units) Growth Rate (2020-2025)

Figure 106. China LED Overcurrent Protection Device Production (K Units) Growth Rate (2020-2025)

Figure 107. Global LED Overcurrent Protection Device Sales Forecast by Volume (2020-2035) & (K Units)

Figure 108. Global LED Overcurrent Protection Device Market Size Forecast by Value (2020-2035) & (M USD)

Figure 109. Global LED Overcurrent Protection Device Sales Market Share Forecast by Type (2026-2035)

Figure 110. Global LED Overcurrent Protection Device Market Share Forecast by Type (2026-2035)

Figure 111. Global LED Overcurrent Protection Device Sales Forecast by Application (2026-2035)

Figure 112. Global LED Overcurrent Protection Device Market Share Forecast by Application (2026-2035)

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