

Global Automotive Silicon-Controlled Rectifier Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/G016DE4292F2EN.html>

Date: March 2024

Pages: 106

Price: US\$ 3,480.00 (Single User License)

ID: G016DE4292F2EN

Abstracts

According to our (Global Info Research) latest study, the global Automotive Silicon-Controlled Rectifier market size was valued at USD 128.6 million in 2023 and is forecast to a readjusted size of USD 179.5 million by 2030 with a CAGR of 4.9% during review period.

Featuring immunity to surges and transients in static states and commutations, our silicon-controlled rectifiers (SCR), also known as thyristors, are ideal for single- and three-phase power line networks, even in harsh environments up to 150°C. In addition to AC, DC and capacitive ignitor circuits, these unidirectional switches are found in high-voltage industrial circuits as well as automotive equipment and all other segments where electromechanical relays are not operative or unreliable.

The Global Info Research report includes an overview of the development of the Automotive Silicon-Controlled Rectifier industry chain, the market status of Passenger Car (Unidirectional Thyristor, Bidirectional Thyristor), Commercial Vehicle (Unidirectional Thyristor, Bidirectional Thyristor), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Automotive Silicon-Controlled Rectifier.

Regionally, the report analyzes the Automotive Silicon-Controlled Rectifier markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Automotive Silicon-Controlled Rectifier market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Automotive Silicon-Controlled Rectifier market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Automotive Silicon-Controlled Rectifier industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Unidirectional Thyristor, Bidirectional Thyristor).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Automotive Silicon-Controlled Rectifier market.

Regional Analysis: The report involves examining the Automotive Silicon-Controlled Rectifier market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Automotive Silicon-Controlled Rectifier market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Automotive Silicon-Controlled Rectifier:

Company Analysis: Report covers individual Automotive Silicon-Controlled Rectifier manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Automotive Silicon-Controlled Rectifier This may involve surveys,

interviews, and analysis of consumer reviews and feedback from different by Application (Passenger Car, Commercial Vehicle).

Technology Analysis: Report covers specific technologies relevant to Automotive Silicon-Controlled Rectifier. It assesses the current state, advancements, and potential future developments in Automotive Silicon-Controlled Rectifier areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Automotive Silicon-Controlled Rectifier market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Automotive Silicon-Controlled Rectifier market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Unidirectional Thyristor

Bidirectional Thyristor

Market segment by Application

Passenger Car

Commercial Vehicle

Major players covered

STMicroelectronics

WeEn Semiconductors

Littelfuse

Renesas Electronics

JieJie Microelectronics

Vishay

Shindengen Electric

Semikron Danfoss

Diodes Incorporated

Sanken Electric

SanRex

Central Semiconductor

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 Automotive Silicon-Controlled Rectifier product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automotive Silicon-Controlled Rectifier, with price, sales, revenue and global market share of Automotive Silicon-Controlled Rectifier from 2019 to 2024.

Chapter 3, the Automotive Silicon-Controlled Rectifier competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automotive Silicon-Controlled Rectifier breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023. and Automotive Silicon-Controlled Rectifier market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Automotive Silicon-Controlled Rectifier.

Chapter 14 and 15, to describe Automotive Silicon-Controlled Rectifier sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Automotive Silicon-Controlled Rectifier
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
 - 1.3.1 Overview: Global Automotive Silicon-Controlled Rectifier Consumption Value by Type: 2019 Versus 2023 Versus 2030
 - 1.3.2 Unidirectional Thyristor
 - 1.3.3 Bidirectional Thyristor
- 1.4 Market Analysis by Application
 - 1.4.1 Overview: Global Automotive Silicon-Controlled Rectifier Consumption Value by Application: 2019 Versus 2023 Versus 2030
 - 1.4.2 Passenger Car
 - 1.4.3 Commercial Vehicle
- 1.5 Global Automotive Silicon-Controlled Rectifier Market Size & Forecast
 - 1.5.1 Global Automotive Silicon-Controlled Rectifier Consumption Value (2019 & 2023 & 2030)
 - 1.5.2 Global Automotive Silicon-Controlled Rectifier Sales Quantity (2019-2030)
 - 1.5.3 Global Automotive Silicon-Controlled Rectifier Average Price (2019-2030)

2 MANUFACTURERS PROFILES

- 2.1 STMicroelectronics
 - 2.1.1 STMicroelectronics Details
 - 2.1.2 STMicroelectronics Major Business
 - 2.1.3 STMicroelectronics Automotive Silicon-Controlled Rectifier Product and Services
 - 2.1.4 STMicroelectronics Automotive Silicon-Controlled Rectifier Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.1.5 STMicroelectronics Recent Developments/Updates
- 2.2 WeEn Semiconductors
 - 2.2.1 WeEn Semiconductors Details
 - 2.2.2 WeEn Semiconductors Major Business
 - 2.2.3 WeEn Semiconductors Automotive Silicon-Controlled Rectifier Product and Services
 - 2.2.4 WeEn Semiconductors Automotive Silicon-Controlled Rectifier Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.2.5 WeEn Semiconductors Recent Developments/Updates

2.3 Littelfuse

2.3.1 Littelfuse Details

2.3.2 Littelfuse Major Business

2.3.3 Littelfuse Automotive Silicon-Controlled Rectifier Product and Services

2.3.4 Littelfuse Automotive Silicon-Controlled Rectifier Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.3.5 Littelfuse Recent Developments/Updates

2.4 Renesas Electronics

2.4.1 Renesas Electronics Details

2.4.2 Renesas Electronics Major Business

2.4.3 Renesas Electronics Automotive Silicon-Controlled Rectifier Product and Services

2.4.4 Renesas Electronics Automotive Silicon-Controlled Rectifier Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.4.5 Renesas Electronics Recent Developments/Updates

2.5 JieJie Microelectronics

2.5.1 JieJie Microelectronics Details

2.5.2 JieJie Microelectronics Major Business

2.5.3 JieJie Microelectronics Automotive Silicon-Controlled Rectifier Product and Services

2.5.4 JieJie Microelectronics Automotive Silicon-Controlled Rectifier Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.5.5 JieJie Microelectronics Recent Developments/Updates

2.6 Vishay

2.6.1 Vishay Details

2.6.2 Vishay Major Business

2.6.3 Vishay Automotive Silicon-Controlled Rectifier Product and Services

2.6.4 Vishay Automotive Silicon-Controlled Rectifier Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.6.5 Vishay Recent Developments/Updates

2.7 Shindengen Electric

2.7.1 Shindengen Electric Details

2.7.2 Shindengen Electric Major Business

2.7.3 Shindengen Electric Automotive Silicon-Controlled Rectifier Product and Services

2.7.4 Shindengen Electric Automotive Silicon-Controlled Rectifier Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.7.5 Shindengen Electric Recent Developments/Updates

2.8 Semikron Danfoss

- 2.8.1 Semikron Danfoss Details
- 2.8.2 Semikron Danfoss Major Business
- 2.8.3 Semikron Danfoss Automotive Silicon-Controlled Rectifier Product and Services
- 2.8.4 Semikron Danfoss Automotive Silicon-Controlled Rectifier Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.8.5 Semikron Danfoss Recent Developments/Updates
- 2.9 Diodes Incorporated
 - 2.9.1 Diodes Incorporated Details
 - 2.9.2 Diodes Incorporated Major Business
 - 2.9.3 Diodes Incorporated Automotive Silicon-Controlled Rectifier Product and Services
 - 2.9.4 Diodes Incorporated Automotive Silicon-Controlled Rectifier Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.9.5 Diodes Incorporated Recent Developments/Updates
- 2.10 Sanken Electric
 - 2.10.1 Sanken Electric Details
 - 2.10.2 Sanken Electric Major Business
 - 2.10.3 Sanken Electric Automotive Silicon-Controlled Rectifier Product and Services
 - 2.10.4 Sanken Electric Automotive Silicon-Controlled Rectifier Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.10.5 Sanken Electric Recent Developments/Updates
- 2.11 SanRex
 - 2.11.1 SanRex Details
 - 2.11.2 SanRex Major Business
 - 2.11.3 SanRex Automotive Silicon-Controlled Rectifier Product and Services
 - 2.11.4 SanRex Automotive Silicon-Controlled Rectifier Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.11.5 SanRex Recent Developments/Updates
- 2.12 Central Semiconductor
 - 2.12.1 Central Semiconductor Details
 - 2.12.2 Central Semiconductor Major Business
 - 2.12.3 Central Semiconductor Automotive Silicon-Controlled Rectifier Product and Services
 - 2.12.4 Central Semiconductor Automotive Silicon-Controlled Rectifier Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.12.5 Central Semiconductor Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: AUTOMOTIVE SILICON-CONTROLLED RECTIFIER BY MANUFACTURER

3.1 Global Automotive Silicon-Controlled Rectifier Sales Quantity by Manufacturer (2019-2024)

3.2 Global Automotive Silicon-Controlled Rectifier Revenue by Manufacturer (2019-2024)

3.3 Global Automotive Silicon-Controlled Rectifier Average Price by Manufacturer (2019-2024)

3.4 Market Share Analysis (2023)

3.4.1 Producer Shipments of Automotive Silicon-Controlled Rectifier by Manufacturer Revenue (\$MM) and Market Share (%): 2023

3.4.2 Top 3 Automotive Silicon-Controlled Rectifier Manufacturer Market Share in 2023

3.4.2 Top 6 Automotive Silicon-Controlled Rectifier Manufacturer Market Share in 2023

3.5 Automotive Silicon-Controlled Rectifier Market: Overall Company Footprint Analysis

3.5.1 Automotive Silicon-Controlled Rectifier Market: Region Footprint

3.5.2 Automotive Silicon-Controlled Rectifier Market: Company Product Type Footprint

3.5.3 Automotive Silicon-Controlled Rectifier 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 Automotive Silicon-Controlled Rectifier Market Size by Region

4.1.1 Global Automotive Silicon-Controlled Rectifier Sales Quantity by Region (2019-2030)

4.1.2 Global Automotive Silicon-Controlled Rectifier Consumption Value by Region (2019-2030)

4.1.3 Global Automotive Silicon-Controlled Rectifier Average Price by Region (2019-2030)

4.2 North America Automotive Silicon-Controlled Rectifier Consumption Value (2019-2030)

4.3 Europe Automotive Silicon-Controlled Rectifier Consumption Value (2019-2030)

4.4 Asia-Pacific Automotive Silicon-Controlled Rectifier Consumption Value (2019-2030)

4.5 South America Automotive Silicon-Controlled Rectifier Consumption Value (2019-2030)

4.6 Middle East and Africa Automotive Silicon-Controlled Rectifier Consumption Value (2019-2030)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Automotive Silicon-Controlled Rectifier Sales Quantity by Type (2019-2030)
- 5.2 Global Automotive Silicon-Controlled Rectifier Consumption Value by Type (2019-2030)
- 5.3 Global Automotive Silicon-Controlled Rectifier Average Price by Type (2019-2030)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Automotive Silicon-Controlled Rectifier Sales Quantity by Application (2019-2030)
- 6.2 Global Automotive Silicon-Controlled Rectifier Consumption Value by Application (2019-2030)
- 6.3 Global Automotive Silicon-Controlled Rectifier Average Price by Application (2019-2030)

7 NORTH AMERICA

- 7.1 North America Automotive Silicon-Controlled Rectifier Sales Quantity by Type (2019-2030)
- 7.2 North America Automotive Silicon-Controlled Rectifier Sales Quantity by Application (2019-2030)
- 7.3 North America Automotive Silicon-Controlled Rectifier Market Size by Country
 - 7.3.1 North America Automotive Silicon-Controlled Rectifier Sales Quantity by Country (2019-2030)
 - 7.3.2 North America Automotive Silicon-Controlled Rectifier Consumption Value by Country (2019-2030)
 - 7.3.3 United States Market Size and Forecast (2019-2030)
 - 7.3.4 Canada Market Size and Forecast (2019-2030)
 - 7.3.5 Mexico Market Size and Forecast (2019-2030)

8 EUROPE

- 8.1 Europe Automotive Silicon-Controlled Rectifier Sales Quantity by Type (2019-2030)
- 8.2 Europe Automotive Silicon-Controlled Rectifier Sales Quantity by Application (2019-2030)
- 8.3 Europe Automotive Silicon-Controlled Rectifier Market Size by Country
 - 8.3.1 Europe Automotive Silicon-Controlled Rectifier Sales Quantity by Country (2019-2030)
 - 8.3.2 Europe Automotive Silicon-Controlled Rectifier Consumption Value by Country

(2019-2030)

8.3.3 Germany Market Size and Forecast (2019-2030)

8.3.4 France Market Size and Forecast (2019-2030)

8.3.5 United Kingdom Market Size and Forecast (2019-2030)

8.3.6 Russia Market Size and Forecast (2019-2030)

8.3.7 Italy Market Size and Forecast (2019-2030)

9 ASIA-PACIFIC

9.1 Asia-Pacific Automotive Silicon-Controlled Rectifier Sales Quantity by Type
(2019-2030)

9.2 Asia-Pacific Automotive Silicon-Controlled Rectifier Sales Quantity by Application
(2019-2030)

9.3 Asia-Pacific Automotive Silicon-Controlled Rectifier Market Size by Region

9.3.1 Asia-Pacific Automotive Silicon-Controlled Rectifier Sales Quantity by Region
(2019-2030)

9.3.2 Asia-Pacific Automotive Silicon-Controlled Rectifier Consumption Value by
Region (2019-2030)

9.3.3 China Market Size and Forecast (2019-2030)

9.3.4 Japan Market Size and Forecast (2019-2030)

9.3.5 Korea Market Size and Forecast (2019-2030)

9.3.6 India Market Size and Forecast (2019-2030)

9.3.7 Southeast Asia Market Size and Forecast (2019-2030)

9.3.8 Australia Market Size and Forecast (2019-2030)

10 SOUTH AMERICA

10.1 South America Automotive Silicon-Controlled Rectifier Sales Quantity by Type
(2019-2030)

10.2 South America Automotive Silicon-Controlled Rectifier Sales Quantity by
Application (2019-2030)

10.3 South America Automotive Silicon-Controlled Rectifier Market Size by Country

10.3.1 South America Automotive Silicon-Controlled Rectifier Sales Quantity by
Country (2019-2030)

10.3.2 South America Automotive Silicon-Controlled Rectifier Consumption Value by
Country (2019-2030)

10.3.3 Brazil Market Size and Forecast (2019-2030)

10.3.4 Argentina Market Size and Forecast (2019-2030)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Automotive Silicon-Controlled Rectifier Sales Quantity by Type (2019-2030)

11.2 Middle East & Africa Automotive Silicon-Controlled Rectifier Sales Quantity by Application (2019-2030)

11.3 Middle East & Africa Automotive Silicon-Controlled Rectifier Market Size by Country

11.3.1 Middle East & Africa Automotive Silicon-Controlled Rectifier Sales Quantity by Country (2019-2030)

11.3.2 Middle East & Africa Automotive Silicon-Controlled Rectifier Consumption Value by Country (2019-2030)

11.3.3 Turkey Market Size and Forecast (2019-2030)

11.3.4 Egypt Market Size and Forecast (2019-2030)

11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)

11.3.6 South Africa Market Size and Forecast (2019-2030)

12 MARKET DYNAMICS

12.1 Automotive Silicon-Controlled Rectifier Market Drivers

12.2 Automotive Silicon-Controlled Rectifier Market Restraints

12.3 Automotive Silicon-Controlled Rectifier 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 Automotive Silicon-Controlled Rectifier and Key Manufacturers

13.2 Manufacturing Costs Percentage of Automotive Silicon-Controlled Rectifier

13.3 Automotive Silicon-Controlled Rectifier Production Process

13.4 Automotive Silicon-Controlled Rectifier Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Automotive Silicon-Controlled Rectifier Typical Distributors

14.3 Automotive Silicon-Controlled Rectifier 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 Automotive Silicon-Controlled Rectifier Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Automotive Silicon-Controlled Rectifier Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. STMicroelectronics Basic Information, Manufacturing Base and Competitors

Table 4. STMicroelectronics Major Business

Table 5. STMicroelectronics Automotive Silicon-Controlled Rectifier Product and Services

Table 6. STMicroelectronics Automotive Silicon-Controlled Rectifier Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. STMicroelectronics Recent Developments/Updates

Table 8. WeEn Semiconductors Basic Information, Manufacturing Base and Competitors

Table 9. WeEn Semiconductors Major Business

Table 10. WeEn Semiconductors Automotive Silicon-Controlled Rectifier Product and Services

Table 11. WeEn Semiconductors Automotive Silicon-Controlled Rectifier Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. WeEn Semiconductors Recent Developments/Updates

Table 13. Littelfuse Basic Information, Manufacturing Base and Competitors

Table 14. Littelfuse Major Business

Table 15. Littelfuse Automotive Silicon-Controlled Rectifier Product and Services

Table 16. Littelfuse Automotive Silicon-Controlled Rectifier Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. Littelfuse Recent Developments/Updates

Table 18. Renesas Electronics Basic Information, Manufacturing Base and Competitors

Table 19. Renesas Electronics Major Business

Table 20. Renesas Electronics Automotive Silicon-Controlled Rectifier Product and Services

Table 21. Renesas Electronics Automotive Silicon-Controlled Rectifier Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 22. Renesas Electronics Recent Developments/Updates

Table 23. JieJie Microelectronics Basic Information, Manufacturing Base and Competitors

Table 24. JieJie Microelectronics Major Business

Table 25. JieJie Microelectronics Automotive Silicon-Controlled Rectifier Product and Services

Table 26. JieJie Microelectronics Automotive Silicon-Controlled Rectifier Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 27. JieJie Microelectronics Recent Developments/Updates

Table 28. Vishay Basic Information, Manufacturing Base and Competitors

Table 29. Vishay Major Business

Table 30. Vishay Automotive Silicon-Controlled Rectifier Product and Services

Table 31. Vishay Automotive Silicon-Controlled Rectifier Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 32. Vishay Recent Developments/Updates

Table 33. Shindengen Electric Basic Information, Manufacturing Base and Competitors

Table 34. Shindengen Electric Major Business

Table 35. Shindengen Electric Automotive Silicon-Controlled Rectifier Product and Services

Table 36. Shindengen Electric Automotive Silicon-Controlled Rectifier Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 37. Shindengen Electric Recent Developments/Updates

Table 38. Semikron Danfoss Basic Information, Manufacturing Base and Competitors

Table 39. Semikron Danfoss Major Business

Table 40. Semikron Danfoss Automotive Silicon-Controlled Rectifier Product and Services

Table 41. Semikron Danfoss Automotive Silicon-Controlled Rectifier Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 42. Semikron Danfoss Recent Developments/Updates

Table 43. Diodes Incorporated Basic Information, Manufacturing Base and Competitors

Table 44. Diodes Incorporated Major Business

Table 45. Diodes Incorporated Automotive Silicon-Controlled Rectifier Product and Services

Table 46. Diodes Incorporated Automotive Silicon-Controlled Rectifier Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market

Share (2019-2024)

Table 47. Diodes Incorporated Recent Developments/Updates

Table 48. Sanken Electric Basic Information, Manufacturing Base and Competitors

Table 49. Sanken Electric Major Business

Table 50. Sanken Electric Automotive Silicon-Controlled Rectifier Product and Services

Table 51. Sanken Electric Automotive Silicon-Controlled Rectifier Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 52. Sanken Electric Recent Developments/Updates

Table 53. SanRex Basic Information, Manufacturing Base and Competitors

Table 54. SanRex Major Business

Table 55. SanRex Automotive Silicon-Controlled Rectifier Product and Services

Table 56. SanRex Automotive Silicon-Controlled Rectifier Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 57. SanRex Recent Developments/Updates

Table 58. Central Semiconductor Basic Information, Manufacturing Base and Competitors

Table 59. Central Semiconductor Major Business

Table 60. Central Semiconductor Automotive Silicon-Controlled Rectifier Product and Services

Table 61. Central Semiconductor Automotive Silicon-Controlled Rectifier Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 62. Central Semiconductor Recent Developments/Updates

Table 63. Global Automotive Silicon-Controlled Rectifier Sales Quantity by Manufacturer (2019-2024) & (K Units)

Table 64. Global Automotive Silicon-Controlled Rectifier Revenue by Manufacturer (2019-2024) & (USD Million)

Table 65. Global Automotive Silicon-Controlled Rectifier Average Price by Manufacturer (2019-2024) & (US\$/Unit)

Table 66. Market Position of Manufacturers in Automotive Silicon-Controlled Rectifier, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023

Table 67. Head Office and Automotive Silicon-Controlled Rectifier Production Site of Key Manufacturer

Table 68. Automotive Silicon-Controlled Rectifier Market: Company Product Type Footprint

Table 69. Automotive Silicon-Controlled Rectifier Market: Company Product Application Footprint

Table 70. Automotive Silicon-Controlled Rectifier New Market Entrants and Barriers to Market Entry

Table 71. Automotive Silicon-Controlled Rectifier Mergers, Acquisition, Agreements, and Collaborations

Table 72. Global Automotive Silicon-Controlled Rectifier Sales Quantity by Region (2019-2024) & (K Units)

Table 73. Global Automotive Silicon-Controlled Rectifier Sales Quantity by Region (2025-2030) & (K Units)

Table 74. Global Automotive Silicon-Controlled Rectifier Consumption Value by Region (2019-2024) & (USD Million)

Table 75. Global Automotive Silicon-Controlled Rectifier Consumption Value by Region (2025-2030) & (USD Million)

Table 76. Global Automotive Silicon-Controlled Rectifier Average Price by Region (2019-2024) & (US\$/Unit)

Table 77. Global Automotive Silicon-Controlled Rectifier Average Price by Region (2025-2030) & (US\$/Unit)

Table 78. Global Automotive Silicon-Controlled Rectifier Sales Quantity by Type (2019-2024) & (K Units)

Table 79. Global Automotive Silicon-Controlled Rectifier Sales Quantity by Type (2025-2030) & (K Units)

Table 80. Global Automotive Silicon-Controlled Rectifier Consumption Value by Type (2019-2024) & (USD Million)

Table 81. Global Automotive Silicon-Controlled Rectifier Consumption Value by Type (2025-2030) & (USD Million)

Table 82. Global Automotive Silicon-Controlled Rectifier Average Price by Type (2019-2024) & (US\$/Unit)

Table 83. Global Automotive Silicon-Controlled Rectifier Average Price by Type (2025-2030) & (US\$/Unit)

Table 84. Global Automotive Silicon-Controlled Rectifier Sales Quantity by Application (2019-2024) & (K Units)

Table 85. Global Automotive Silicon-Controlled Rectifier Sales Quantity by Application (2025-2030) & (K Units)

Table 86. Global Automotive Silicon-Controlled Rectifier Consumption Value by Application (2019-2024) & (USD Million)

Table 87. Global Automotive Silicon-Controlled Rectifier Consumption Value by Application (2025-2030) & (USD Million)

Table 88. Global Automotive Silicon-Controlled Rectifier Average Price by Application (2019-2024) & (US\$/Unit)

Table 89. Global Automotive Silicon-Controlled Rectifier Average Price by Application

(2025-2030) & (US\$/Unit)

Table 90. North America Automotive Silicon-Controlled Rectifier Sales Quantity by Type (2019-2024) & (K Units)

Table 91. North America Automotive Silicon-Controlled Rectifier Sales Quantity by Type (2025-2030) & (K Units)

Table 92. North America Automotive Silicon-Controlled Rectifier Sales Quantity by Application (2019-2024) & (K Units)

Table 93. North America Automotive Silicon-Controlled Rectifier Sales Quantity by Application (2025-2030) & (K Units)

Table 94. North America Automotive Silicon-Controlled Rectifier Sales Quantity by Country (2019-2024) & (K Units)

Table 95. North America Automotive Silicon-Controlled Rectifier Sales Quantity by Country (2025-2030) & (K Units)

Table 96. North America Automotive Silicon-Controlled Rectifier Consumption Value by Country (2019-2024) & (USD Million)

Table 97. North America Automotive Silicon-Controlled Rectifier Consumption Value by Country (2025-2030) & (USD Million)

Table 98. Europe Automotive Silicon-Controlled Rectifier Sales Quantity by Type (2019-2024) & (K Units)

Table 99. Europe Automotive Silicon-Controlled Rectifier Sales Quantity by Type (2025-2030) & (K Units)

Table 100. Europe Automotive Silicon-Controlled Rectifier Sales Quantity by Application (2019-2024) & (K Units)

Table 101. Europe Automotive Silicon-Controlled Rectifier Sales Quantity by Application (2025-2030) & (K Units)

Table 102. Europe Automotive Silicon-Controlled Rectifier Sales Quantity by Country (2019-2024) & (K Units)

Table 103. Europe Automotive Silicon-Controlled Rectifier Sales Quantity by Country (2025-2030) & (K Units)

Table 104. Europe Automotive Silicon-Controlled Rectifier Consumption Value by Country (2019-2024) & (USD Million)

Table 105. Europe Automotive Silicon-Controlled Rectifier Consumption Value by Country (2025-2030) & (USD Million)

Table 106. Asia-Pacific Automotive Silicon-Controlled Rectifier Sales Quantity by Type (2019-2024) & (K Units)

Table 107. Asia-Pacific Automotive Silicon-Controlled Rectifier Sales Quantity by Type (2025-2030) & (K Units)

Table 108. Asia-Pacific Automotive Silicon-Controlled Rectifier Sales Quantity by Application (2019-2024) & (K Units)

Table 109. Asia-Pacific Automotive Silicon-Controlled Rectifier Sales Quantity by Application (2025-2030) & (K Units)

Table 110. Asia-Pacific Automotive Silicon-Controlled Rectifier Sales Quantity by Region (2019-2024) & (K Units)

Table 111. Asia-Pacific Automotive Silicon-Controlled Rectifier Sales Quantity by Region (2025-2030) & (K Units)

Table 112. Asia-Pacific Automotive Silicon-Controlled Rectifier Consumption Value by Region (2019-2024) & (USD Million)

Table 113. Asia-Pacific Automotive Silicon-Controlled Rectifier Consumption Value by Region (2025-2030) & (USD Million)

Table 114. South America Automotive Silicon-Controlled Rectifier Sales Quantity by Type (2019-2024) & (K Units)

Table 115. South America Automotive Silicon-Controlled Rectifier Sales Quantity by Type (2025-2030) & (K Units)

Table 116. South America Automotive Silicon-Controlled Rectifier Sales Quantity by Application (2019-2024) & (K Units)

Table 117. South America Automotive Silicon-Controlled Rectifier Sales Quantity by Application (2025-2030) & (K Units)

Table 118. South America Automotive Silicon-Controlled Rectifier Sales Quantity by Country (2019-2024) & (K Units)

Table 119. South America Automotive Silicon-Controlled Rectifier Sales Quantity by Country (2025-2030) & (K Units)

Table 120. South America Automotive Silicon-Controlled Rectifier Consumption Value by Country (2019-2024) & (USD Million)

Table 121. South America Automotive Silicon-Controlled Rectifier Consumption Value by Country (2025-2030) & (USD Million)

Table 122. Middle East & Africa Automotive Silicon-Controlled Rectifier Sales Quantity by Type (2019-2024) & (K Units)

Table 123. Middle East & Africa Automotive Silicon-Controlled Rectifier Sales Quantity by Type (2025-2030) & (K Units)

Table 124. Middle East & Africa Automotive Silicon-Controlled Rectifier Sales Quantity by Application (2019-2024) & (K Units)

Table 125. Middle East & Africa Automotive Silicon-Controlled Rectifier Sales Quantity by Application (2025-2030) & (K Units)

Table 126. Middle East & Africa Automotive Silicon-Controlled Rectifier Sales Quantity by Region (2019-2024) & (K Units)

Table 127. Middle East & Africa Automotive Silicon-Controlled Rectifier Sales Quantity by Region (2025-2030) & (K Units)

Table 128. Middle East & Africa Automotive Silicon-Controlled Rectifier Consumption

Value by Region (2019-2024) & (USD Million)

Table 129. Middle East & Africa Automotive Silicon-Controlled Rectifier Consumption

Value by Region (2025-2030) & (USD Million)

Table 130. Automotive Silicon-Controlled Rectifier Raw Material

Table 131. Key Manufacturers of Automotive Silicon-Controlled Rectifier Raw Materials

Table 132. Automotive Silicon-Controlled Rectifier Typical Distributors

Table 133. Automotive Silicon-Controlled Rectifier Typical Customers

LIST OF FIGURES

s

Figure 1. Automotive Silicon-Controlled Rectifier Picture

Figure 2. Global Automotive Silicon-Controlled Rectifier Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Figure 3. Global Automotive Silicon-Controlled Rectifier Consumption Value Market Share by Type in 2023

Figure 4. Unidirectional Thyristor Examples

Figure 5. Bidirectional Thyristor Examples

Figure 6. Global Automotive Silicon-Controlled Rectifier Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Figure 7. Global Automotive Silicon-Controlled Rectifier Consumption Value Market Share by Application in 2023

Figure 8. Passenger Car Examples

Figure 9. Commercial Vehicle Examples

Figure 10. Global Automotive Silicon-Controlled Rectifier Consumption Value, (USD Million): 2019 & 2023 & 2030

Figure 11. Global Automotive Silicon-Controlled Rectifier Consumption Value and Forecast (2019-2030) & (USD Million)

Figure 12. Global Automotive Silicon-Controlled Rectifier Sales Quantity (2019-2030) & (K Units)

Figure 13. Global Automotive Silicon-Controlled Rectifier Average Price (2019-2030) & (US\$/Unit)

Figure 14. Global Automotive Silicon-Controlled Rectifier Sales Quantity Market Share by Manufacturer in 2023

Figure 15. Global Automotive Silicon-Controlled Rectifier Consumption Value Market Share by Manufacturer in 2023

Figure 16. Producer Shipments of Automotive Silicon-Controlled Rectifier by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023

Figure 17. Top 3 Automotive Silicon-Controlled Rectifier Manufacturer (Consumption Value) Market Share in 2023

Figure 18. Top 6 Automotive Silicon-Controlled Rectifier Manufacturer (Consumption Value) Market Share in 2023

Figure 19. Global Automotive Silicon-Controlled Rectifier Sales Quantity Market Share by Region (2019-2030)

Figure 20. Global Automotive Silicon-Controlled Rectifier Consumption Value Market Share by Region (2019-2030)

Figure 21. North America Automotive Silicon-Controlled Rectifier Consumption Value (2019-2030) & (USD Million)

Figure 22. Europe Automotive Silicon-Controlled Rectifier Consumption Value (2019-2030) & (USD Million)

Figure 23. Asia-Pacific Automotive Silicon-Controlled Rectifier Consumption Value (2019-2030) & (USD Million)

Figure 24. South America Automotive Silicon-Controlled Rectifier Consumption Value (2019-2030) & (USD Million)

Figure 25. Middle East & Africa Automotive Silicon-Controlled Rectifier Consumption Value (2019-2030) & (USD Million)

Figure 26. Global Automotive Silicon-Controlled Rectifier Sales Quantity Market Share by Type (2019-2030)

Figure 27. Global Automotive Silicon-Controlled Rectifier Consumption Value Market Share by Type (2019-2030)

Figure 28. Global Automotive Silicon-Controlled Rectifier Average Price by Type (2019-2030) & (US\$/Unit)

Figure 29. Global Automotive Silicon-Controlled Rectifier Sales Quantity Market Share by Application (2019-2030)

Figure 30. Global Automotive Silicon-Controlled Rectifier Consumption Value Market Share by Application (2019-2030)

Figure 31. Global Automotive Silicon-Controlled Rectifier Average Price by Application (2019-2030) & (US\$/Unit)

Figure 32. North America Automotive Silicon-Controlled Rectifier Sales Quantity Market Share by Type (2019-2030)

Figure 33. North America Automotive Silicon-Controlled Rectifier Sales Quantity Market Share by Application (2019-2030)

Figure 34. North America Automotive Silicon-Controlled Rectifier Sales Quantity Market Share by Country (2019-2030)

Figure 35. North America Automotive Silicon-Controlled Rectifier Consumption Value Market Share by Country (2019-2030)

Figure 36. United States Automotive Silicon-Controlled Rectifier Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 37. Canada Automotive Silicon-Controlled Rectifier Consumption Value and

Growth Rate (2019-2030) & (USD Million)

Figure 38. Mexico Automotive Silicon-Controlled Rectifier Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 39. Europe Automotive Silicon-Controlled Rectifier Sales Quantity Market Share by Type (2019-2030)

Figure 40. Europe Automotive Silicon-Controlled Rectifier Sales Quantity Market Share by Application (2019-2030)

Figure 41. Europe Automotive Silicon-Controlled Rectifier Sales Quantity Market Share by Country (2019-2030)

Figure 42. Europe Automotive Silicon-Controlled Rectifier Consumption Value Market Share by Country (2019-2030)

Figure 43. Germany Automotive Silicon-Controlled Rectifier Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 44. France Automotive Silicon-Controlled Rectifier Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 45. United Kingdom Automotive Silicon-Controlled Rectifier Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 46. Russia Automotive Silicon-Controlled Rectifier Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 47. Italy Automotive Silicon-Controlled Rectifier Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 48. Asia-Pacific Automotive Silicon-Controlled Rectifier Sales Quantity Market Share by Type (2019-2030)

Figure 49. Asia-Pacific Automotive Silicon-Controlled Rectifier Sales Quantity Market Share by Application (2019-2030)

Figure 50. Asia-Pacific Automotive Silicon-Controlled Rectifier Sales Quantity Market Share by Region (2019-2030)

Figure 51. Asia-Pacific Automotive Silicon-Controlled Rectifier Consumption Value Market Share by Region (2019-2030)

Figure 52. China Automotive Silicon-Controlled Rectifier Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 53. Japan Automotive Silicon-Controlled Rectifier Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 54. Korea Automotive Silicon-Controlled Rectifier Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 55. India Automotive Silicon-Controlled Rectifier Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 56. Southeast Asia Automotive Silicon-Controlled Rectifier Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 57. Australia Automotive Silicon-Controlled Rectifier Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 58. South America Automotive Silicon-Controlled Rectifier Sales Quantity Market Share by Type (2019-2030)

Figure 59. South America Automotive Silicon-Controlled Rectifier Sales Quantity Market Share by Application (2019-2030)

Figure 60. South America Automotive Silicon-Controlled Rectifier Sales Quantity Market Share by Country (2019-2030)

Figure 61. South America Automotive Silicon-Controlled Rectifier Consumption Value Market Share by Country (2019-2030)

Figure 62. Brazil Automotive Silicon-Controlled Rectifier Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 63. Argentina Automotive Silicon-Controlled Rectifier Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 64. Middle East & Africa Automotive Silicon-Controlled Rectifier Sales Quantity Market Share by Type (2019-2030)

Figure 65. Middle East & Africa Automotive Silicon-Controlled Rectifier Sales Quantity Market Share by Application (2019-2030)

Figure 66. Middle East & Africa Automotive Silicon-Controlled Rectifier Sales Quantity Market Share by Region (2019-2030)

Figure 67. Middle East & Africa Automotive Silicon-Controlled Rectifier Consumption Value Market Share by Region (2019-2030)

Figure 68. Turkey Automotive Silicon-Controlled Rectifier Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 69. Egypt Automotive Silicon-Controlled Rectifier Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 70. Saudi Arabia Automotive Silicon-Controlled Rectifier Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 71. South Africa Automotive Silicon-Controlled Rectifier Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 72. Automotive Silicon-Controlled Rectifier Market Drivers

Figure 73. Automotive Silicon-Controlled Rectifier Market Restraints

Figure 74. Automotive Silicon-Controlled Rectifier Market Trends

Figure 75. Porters Five Forces Analysis

Figure 76. Manufacturing Cost Structure Analysis of Automotive Silicon-Controlled Rectifier in 2023

Figure 77. Manufacturing Process Analysis of Automotive Silicon-Controlled Rectifier

Figure 78. Automotive Silicon-Controlled Rectifier Industrial Chain

Figure 79. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 80. Direct Channel Pros & Cons

Figure 81. Indirect Channel Pros & Cons

Figure 82. Methodology

Figure 83. Research Process and Data Source

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