

2018 Top 5 Commutator Players in North America, Europe, Asia-Pacific, South America, Middle East and Africa

<https://marketpublishers.com/r/21E7365EB93EN.html>

Date: July 2018

Pages: 146

Price: US\$ 4,960.00 (Single User License)

ID: 21E7365EB93EN

Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

A commutator is the moving part of a rotary electrical switch in certain types of electric motors and electrical generators that periodically reverses the current direction between the rotor and the external circuit. It consists of a cylinder composed of multiple metal contact segments on the rotating armature of the machine. Two or more stationary electrical contacts called 'brushes' made of a soft conductor like carbon press against the commutator, making sliding contact with successive segments of the commutator as it rotates. The windings (coils of wire) on the armature are connected to the commutator segments.

In the coming years there is an increasing demand for Commutators in the regions of United States and Europe that is expected to drive the market for more advanced Commutators. Increasing of auto industry expenditures, more-intense competition, launches in introducing new products, increasing of spending on household appliances industry, retrofitting and renovation of old technology, increasing adoption of Commutator will drive growth in United States and Europe markets. However, China is still the biggest market in the world.

Globally, the Commutators industry market is low concentrated as the manufacturing technology of Commutators is relatively matures than some high-tech equipment. And some enterprises, like Kolektor, Huarui Electric, Kaizhong, etc. are well-known for the wonderful performance of their Commutators and related services. At the same time, China, occupied 53.90% production market share in 2016, is remarkable in the global Commutators industry because of their market share and technology status of Commutators.

The consumption volume of Commutators is related to downstream industries and

global economy. As there will always be some uncertain in the global economy in the following years, the growth rate of Commutators industry may not keep that fast. But it is surely forecasted that the market of Commutators is still promising.

Over the next five years, LPI(LP Information) projects that Commutator will register a 3.3% CAGR in terms of revenue, reach US\$ 3540 million by 2023, from US\$ 2920 million in 2017.

This report studies the global market, especially in North America, Europe, Asia-Pacific, South America, Middle East and Africa, focuses on the top 5 players in each region, with sales, price, revenue and market share from 2013 to 2018, the top players:

Kolektor

Huarui Electric

Kaizhong

Angu

Sugiyama

Great Wall

Nettelhoff

Lifeng

Suzhou Kegou

Electric Materials

Takachiho

TRIS

MAM

Toledo

Market Segment by Regions, this report splits Global into several key Regions, with sales, revenue, market share of top players in these regions, from 2013 to 2018 (forecast), like

North America (United States, Canada and Mexico)

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

Europe (Germany, UK, France, Italy and Russia etc.)

South America (Brazil, Chile, Peru and Argentina)

Middle East and Africa (Egypt, South Africa, Saudi Arabia)

Split by Product Types, with sales, revenue, price, market share of each type, can be divided into

Groove Commutator

Hook Type Commutator

Others

Split by applications, this report focuses on sales, market share and growth rate in each application, can be divided into

Automatic Industry

Household Appliances

Power Tools

Others

Contents

2018 TOP 5 COMMUTATOR PLAYERS IN NORTH AMERICA, EUROPE, ASIA-PACIFIC, SOUTH AMERICA, MIDDLE EAST AND AFRICA

1 COMMUTATOR MARKET OVERVIEW

1.1 Product Overview and Scope of Commutator

1.2 Commutator Segment by Types

1.2.1 Global Sales Market Share of Commutator by Types in 2017

1.2.2 Groove Commutator

1.2.2.1 Major Players of Type I

1.2.3 Hook Type Commutator

1.2.3.1 Major Players of Hook Type Commutator

1.2.4 Others

1.2.4.1 Major Players of Others

1.3 Commutator Segment by Applications

1.3.1 Commutator Sales Market Share by Applications in 2017

1.3.2 Automatic Industry

1.3.3 Household Appliances

1.3.4 Power Tools

1.3.5 Others

1.4 Commutator Market by Regions

1.4.1 North America Status and Prospect (2013-2023)

1.4.1.1 North America Commutator Revenue (Million USD) and Growth Rate (2013-2023)

1.4.2 Asia-Pacific Status and Prospect (2013-2023)

1.4.2.1 Asia-Pacific Commutator Revenue (Million USD) and Growth Rate (2013-2023)

1.4.3 Europe Status and Prospect (2013-2023)

1.4.3.1 Europe Commutator Revenue (Million USD) and Growth Rate (2013-2023)

1.4.4 South America Status and Prospect (2013-2023)

1.4.4.1 South America Commutator Revenue (Million USD) and Growth Rate (2013-2023)

1.4.5 Middle East and Africa Status and Prospect (2013-2023)

1.4.5.1 Middle East and Africa Commutator Revenue (Million USD) and Growth Rate (2013-2023)

1.5 Global Market Size (Value) of Commutator (2013-2023)

2 GLOBAL COMMUTATOR SALES, REVENUE (VALUE) AND MARKET SHARE BY PLAYERS

2.1 Global Commutator Sales and Market Share by Players in 2016 and 2017

2.1.1 Global Commutator Sales by Players in 2016 and 2017

2.1.2 Global Commutator Sales Market Share (%) by Players in 2016 and 2017

2.2 Global Commutator Revenue and Market Share by Players in 2016 and 2017

2.2.1 Global Commutator Revenue by Players in 2016 and 2017

2.2.2 Global Commutator Revenue Market Share (%) by Players in 2016 and 2017

2.3 Global Commutator Average Price by Players in 2016 and 2017

2.4 Global Commutator Manufacturing Base Distribution, Sales Area, Product Types by Players

2.4.1 Global Commutator Manufacturing Base Distribution and Sales Area by Players

2.4.2 Players Commutator Product Types

2.5 Commutator Market Competitive Situation and Trends

2.5.1 Commutator Market Concentration Rate

2.5.2 Commutator Market Share of Top 3 and Top 5 Players

2.5.3 Mergers & Acquisitions, Expansion

3 GLOBAL COMMUTATOR SALES, REVENUE (VALUE) BY REGIONS, TYPE AND APPLICATION (2013-2018)

3.1 Global Commutator Sales, Revenue and Market Share by Regions (2013-2018)

3.1.1 Global Commutator Sales and Market Share by Regions (2013-2018)

3.1.2 Global Commutator Revenue and Market Share by Regions (2013-2018)

3.2 Global Commutator Sales, Revenue, Market Share and Price by Type (2013-2018)

3.2.1 Global Commutator Sales and Market Share by Type (2013-2018)

3.2.2 Global Commutator Revenue and Market Share by Type (2013-2018)

3.2.3 Global Commutator Price by Type (2013-2018)

3.3 Global Commutator Sales and Market Share by Application (2013-2018)

3.3.1 Global Commutator Sales by Application (2013-2018)

3.3.2 Global Commutator Sales Market Share by Application (2013-2018)

3.4 Global Commutator Sales, Revenue, Price and Gross Margin (2013-2018)

4 NORTH AMERICA TOP 5 PLAYERS COMMUTATOR SALES, REVENUE AND PRICE

4.1 North America Top 5 Players Commutator Sales, Revenue and Market Share in 2016 and 2017

4.1.1 North America Top 5 Players Commutator Sales and Market Share in 2016 and 2017

4.1.2 North America Top 5 Players Commutator Revenue and Market Share in 2016 and 2017

4.2 North America Commutator Sales, Revenue, Market Share and Price by Type (2013-2018)

4.2.1 North America Commutator Sales and Market Share by Type (2013-2018)

4.2.1.1 North America Commutator Sales by Type (2013-2018)

4.2.1.2 North America Commutator Sales Market Share by Type (2013-2018)

4.2.2 North America Commutator Revenue and Market Share by Type (2013-2018)

4.2.2.1 North America Commutator Revenue by Type (2013-2018)

4.2.2.2 North America Commutator Revenue Market Share by Type (2013-2018)

4.2.3 North America Commutator Price by Type (2013-2018)

4.3 North America Commutator Sales and Market Share by Application (2013-2018)

4.3.1 North America Commutator Sales by Application (2013-2018)

4.3.2 North America Commutator Sales Market Share by Application (2013-2018)

4.4 North America Commutator Sales and Market Share by Country (US, Canada and Mexico) (2013-2018)

4.4.1 North America Commutator Sales by Country (2013-2018)

4.4.2 North America Commutator Sales Market Share by Country (2013-2018)

4.5 North America Commutator Import & Export (2013-2018)

5 EUROPE TOP 5 PLAYERS COMMUTATOR SALES, REVENUE AND PRICE

5.1 Europe Top 5 Players Commutator Sales, Revenue and Market Share in 2016 and 2017

5.1.1 Europe Top 5 Players Commutator Sales and Market Share in 2016 and 2017

5.1.2 Europe Top 5 Players Commutator Revenue and Market Share in 2016 and 2017

5.2 Europe Commutator Sales, Revenue, Market Share and Price by Type (2013-2018)

5.2.1 Europe Commutator Sales and Market Share by Type (2013-2018)

5.2.1.1 Europe Commutator Sales by Type (2013-2018)

5.2.1.2 Europe Commutator Sales Market Share by Type (2013-2018)

5.2.2 Europe Commutator Revenue and Market Share by Type (2013-2018)

5.2.2.1 Europe Commutator Revenue by Type (2013-2018)

5.2.2.2 Europe Commutator Revenue Market Share by Type (2013-2018)

5.2.3 Europe Commutator Price by Type (2013-2018)

5.3 Europe Commutator Sales and Market Share by Application (2013-2018)

5.3.1 Europe Commutator Sales by Application (2013-2018)

- 5.3.2 Europe Commutator Sales Market Share by Application (2013-2018)
- 5.4 Europe Commutator Sales and Market Share by Country (Germany, UK, France, Italy and Russia) (2013-2018)
 - 5.4.1 Europe Commutator Sales by Country (2013-2018)
 - 5.4.2 Europe Commutator Sales Market Share by Country (2013-2018)
- 5.5 Europe Commutator Import & Export (2013-2018)

6 ASIA-PACIFIC TOP 5 PLAYERS COMMUTATOR SALES, REVENUE AND PRICE

6.1 Asia-Pacific Top 5 Players Commutator Sales, Revenue and Market Share in 2016 and 2017

- 6.1.1 Asia-Pacific Top 5 Players Commutator Sales and Market Share in 2016 and 2017
- 6.1.2 Asia-Pacific Top 5 Players Commutator Revenue and Market Share in 2016 and 2017

6.2 Asia-Pacific Commutator Sales, Revenue, Market Share and Price by Type (2013-2018)

- 6.2.1 Asia-Pacific Commutator Sales and Market Share by Type (2013-2018)
 - 6.2.1.1 Asia-Pacific Commutator Sales by Type (2013-2018)
 - 6.2.1.2 Asia-Pacific Commutator Sales Market Share by Type (2013-2018)
- 6.2.2 Asia-Pacific Commutator Revenue and Market Share by Type (2013-2018)
- 6.2.3 Asia-Pacific Commutator Price by Type (2013-2018)

6.3 Asia-Pacific Commutator Sales and Market Share by Application (2013-2018)

- 6.3.1 Asia-Pacific Commutator Sales by Application (2013-2018)
- 6.3.2 Asia-Pacific Commutator Sales Market Share by Application (2013-2018)

6.4 Asia-Pacific Commutator Sales and Market Share by Country (China, Japan, Southeast Asia, India, Korea and Australia) (2013-2018)

- 6.4.1 Asia-Pacific Commutator Sales by Country (2013-2018)
 - 6.4.2 Asia-Pacific Commutator Sales Market Share by Country (2013-2018)
- 6.5 Asia-Pacific Commutator Import & Export (2013-2018)

7 SOUTH AMERICA TOP 5 PLAYERS COMMUTATOR SALES, REVENUE AND PRICE

7.1 South America Top 5 Players Commutator Sales, Revenue and Market Share in 2016 and 2017

- 7.1.1 South America Top 5 Players Commutator Sales and Market Share in 2016 and 2017
- 7.1.2 South America Top 5 Players Commutator Revenue and Market Share in 2016

and 2017

7.2 South America Commutator Sales, Revenue, Market Share and Price by Type (2013-2018)

7.2.1 South America Commutator Sales and Market Share by Type (2013-2018)

7.2.1.1 South America Commutator Sales by Type (2013-2018)

7.2.1.2 South America Commutator Sales Market Share by Type (2013-2018)

7.2.2 South America Commutator Revenue and Market Share by Type (2013-2018)

7.2.2.1 South America Commutator Revenue by Type (2013-2018)

7.2.2.2 South America Commutator Revenue and Market Share by Type (2013-2018)

7.2.3 South America Commutator Price by Type (2013-2018)

7.3 South America Commutator Sales and Market Share by Application (2013-2018)

7.3.1 South America Commutator Sales by Application (2013-2018)

7.3.2 South America Commutator Sales Market Share by Application (2013-2018)

7.4 South America Commutator Sales and Market Share by Country (Brazil, Argentina, Chile and Peru) (2013-2018)

7.4.1 South America Commutator Sales by Country (2013-2018)

7.4.2 South America Commutator Sales Market Share by Country (2013-2018)

7.5 South America Commutator Import & Export (2013-2018)

8 MIDDLE EAST & AFRICA TOP 5 PLAYERS COMMUTATOR SALES, REVENUE AND PRICE

8.1 Middle East & Africa Top 5 Players Commutator Sales, Revenue and Market Share in 2016 and 2017

8.1.1 Middle East & Africa Top 5 Players Commutator Sales and Market Share in 2016 and 2017

8.1.2 Middle East & Africa Top 5 Players Commutator Revenue and Market Share in 2016 and 2017

8.2 Middle East & Africa Commutator Sales, Revenue, Market Share and Price by Type (2013-2018)

8.2.1 Middle East & Africa Commutator Sales and Market Share by Type (2013-2018)

8.2.1.1 Middle East & Africa Commutator Sales by Type (2013-2018)

8.2.1.2 Middle East & Africa Commutator Sales Market Share by Type (2013-2018)

8.2.2 Middle East & Africa Commutator Revenue and Market Share by Type (2013-2018)

8.2.2.1 Middle East & Africa Commutator Revenue by Type (2013-2018)

8.2.2.2 Middle East & Africa Commutator Revenue Market Share by Type (2013-2018)

8.2.3 Middle East & Africa Commutator Price by Type (2013-2018)

8.3 Middle East & Africa Commutator Sales and Market Share by Application (2013-2018)

8.3.1 Middle East & Africa Commutator Sales by Application (2013-2018)

8.3.2 Middle East & Africa Commutator Sales Market Share by Application (2013-2018)

8.4 Middle East & Africa Commutator Sales and Market Share by Country (Egypt, Saudi Arabia, South Africa and Iran) (2013-2018)

8.4.1 Middle East & Africa Commutator Sales by Country (2013-2018)

8.4.2 Middle East & Africa Commutator Sales Market Share by Country (2013-2018)

8.5 Middle East & Africa Commutator Import & Export (2013-2018)

9 GLOBAL COMMUTATOR PLAYERS PROFILES/ANALYSIS

9.1 Kolektor

9.1.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

9.1.2 Commutator Product Types, Application and Specification

9.1.2.1 Product A

9.1.2.2 Product B

9.1.3 Kolektor Commutator Sales, Revenue, Price and Gross Margin (2013-2018)

9.1.4 Main Business/Business Overview

9.1.5 Kolektor News

9.2 Huarui Electric

9.2.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

9.2.2 Commutator Product Types, Application and Specification

9.2.2.1 Product A

9.2.2.2 Product B

9.2.3 Huarui Electric Commutator Sales, Revenue, Price and Gross Margin (2013-2018)

9.2.4 Main Business/Business Overview

9.2.5 Huarui Electric News

9.3 Kaizhong

9.3.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

9.3.2 Commutator Product Types, Application and Specification

9.3.2.1 Product A

9.3.2.2 Product B

9.3.3 Kaizhong Commutator Sales, Revenue, Price and Gross Margin (2013-2018)

9.3.4 Main Business/Business Overview

9.3.5 Kaizhong News

9.4 Angu

9.4.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

9.4.2 Commutator Product Types, Application and Specification

9.4.2.1 Product A

9.4.2.2 Product B

9.4.3 Angu Commutator Sales, Revenue, Price and Gross Margin (2013-2018)

9.4.4 Main Business/Business Overview

9.4.5 Angu News

9.5 Sugiyama

9.5.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

9.5.2 Commutator Product Types, Application and Specification

9.5.2.1 Product A

9.5.2.2 Product B

9.5.3 Sugiyama Commutator Sales, Revenue, Price and Gross Margin (2013-2018)

9.5.4 Main Business/Business Overview

9.5.5 Sugiyama News

9.6 Great Wall

9.6.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

9.6.2 Commutator Product Types, Application and Specification

9.6.2.1 Product A

9.6.2.2 Product B

9.6.3 Great Wall Commutator Sales, Revenue, Price and Gross Margin (2013-2018)

9.6.4 Main Business/Business Overview

9.6.5 Great Wall News

9.7 Nettelhoff

9.7.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

9.7.2 Commutator Product Types, Application and Specification

9.7.2.1 Product A

9.7.2.2 Product B

9.7.3 Nettelhoff Commutator Sales, Revenue, Price and Gross Margin (2013-2018)

9.7.4 Main Business/Business Overview

9.7.5 Nettelhoff News

9.8 Lifeng

- 9.8.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors
- 9.8.2 Commutator Product Types, Application and Specification
 - 9.8.2.1 Product A
 - 9.8.2.2 Product B
- 9.8.3 Lifeng Commutator Sales, Revenue, Price and Gross Margin (2013-2018)
- 9.8.4 Main Business/Business Overview
- 9.8.5 Lifeng News
- 9.9 Suzhou Kegou
 - 9.9.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors
 - 9.9.2 Commutator Product Types, Application and Specification
 - 9.9.2.1 Product A
 - 9.9.2.2 Product B
 - 9.9.3 Suzhou Kegou Commutator Sales, Revenue, Price and Gross Margin (2013-2018)
 - 9.9.4 Main Business/Business Overview
 - 9.9.5 Suzhou Kegou News
- 9.10 Electric Materials
 - 9.10.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors
 - 9.10.2 Commutator Product Types, Application and Specification
 - 9.10.2.1 Product A
 - 9.10.2.2 Product B
 - 9.10.3 Electric Materials Commutator Sales, Revenue, Price and Gross Margin (2013-2018)
 - 9.10.4 Main Business/Business Overview
 - 9.10.5 Electric Materials News
- 9.11 Takachiho
- 9.12 TRIS
- 9.13 MAM
- 9.14 Toledo

10 GLOBAL COMMUTATOR MARKET FORECAST (2018-2023)

- 10.1 Global Commutator Sales, Revenue Forecast (2018-2023)
- 10.2 Global Commutator Sales, Consumption Forecast by Regions (2018-2023)
 - 10.2.1 Global Commutator Sales Forecast by Regions (2018-2023)
 - 10.2.2 Global Commutator Sales Market Share Forecast by Regions (2018-2023)
- 10.3 Global Commutator Sales and Market Share Forecast by Type (2018-2023)

- 10.3.1 Global Commutator Sales Forecast by Type (2018-2023)
- 10.3.2 Global Commutator Sales Market Share Forecast by Type (2018-2023)
- 10.4 Global Commutator Sales and Market Share Forecast by Application (2018-2023)
 - 10.4.1 Global Commutator Sales Forecast by Application (2018-2023)
 - 10.4.2 Global Commutator Sales Market Share Forecast by Application (2018-2023)
- 10.5 Commutator Price Forecast (2018-2023)

11 COMMUTATOR MANUFACTURING COST ANALYSIS

- 11.1 Commutator Key Raw Materials Analysis
 - 11.1.1 Key Raw Materials
 - 11.1.2 Price Trend of Key Raw Materials
 - 11.1.3 Key Suppliers of Raw Materials
 - 11.1.4 Market Concentration Rate of Raw Materials
- 11.2 Proportion of Manufacturing Cost Structure
 - 11.2.1 Raw Materials
 - 11.2.2 Labor Cost
 - 11.2.3 Manufacturing Expenses
- 11.3 Manufacturing Process Analysis of Commutator

12 INDUSTRIAL CHAIN, SOURCING STRATEGY AND DOWNSTREAM BUYERS

- 12.1 Commutator Industrial Chain Analysis
- 12.2 Upstream Raw Materials Sourcing
- 12.3 Raw Materials Sources of Commutator Major Players in 2017
- 12.4 Downstream Buyers

13 MARKETING STRATEGY ANALYSIS, DISTRIBUTORS/TRADERS

- 13.1 Marketing Channel
 - 13.1.1 Direct Marketing
 - 13.1.2 Indirect Marketing
 - 13.1.3 Marketing Channel Development Trend
- 13.2 Market Positioning
 - 13.2.1 Pricing Strategy
 - 13.2.2 Brand Strategy
 - 13.2.3 Target Client
- 13.3 Distributors/Traders List

14 MARKET EFFECT FACTORS ANALYSIS

14.1 Technology Progress/Risk

14.1.1 Substitutes Threat

14.1.2 Technology Progress in Related Industry

14.2 Consumer Needs/Customer Preference Change

14.3 Economic/Political Environmental Change

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Data Source

List Of Tables

LIST OF TABLES AND FIGURES

Figure Picture of Commutator

Table Product Specifications of Commutator

Figure Global Sales Market Share of Commutator by Types in 2017

Figure Product Picture of Groove Commutator

Table Major Players of Groove Commutator

Figure Product Picture of Hook Type Commutator

Table Major Players of Hook Type Commutator

Figure Product Picture of Others

Table Major Players of Others

Figure Commutator Sales Market Share by Applications in 2017

Table Applications of Commutator

Figure Household Appliances Examples

Figure Power Tools Examples

Figure Others Examples

Figure North America Commutator Revenue (Million USD) and Growth Rate (2013-2023)

Figure Asia-Pacific Commutator Revenue (Million USD) and Growth Rate (2013-2023)

Figure Europe Commutator Revenue (Million USD) and Growth Rate (2013-2023)

Figure South America Commutator Revenue (Million USD) and Growth Rate (2013-2023)

Figure Middle East and Africa Commutator Revenue (Million USD) and Growth Rate (2013-2023)

Figure Global Commutator Revenue (Million USD) and Growth Rate (2013-2023)

Table Global Commutator Sales by Players in 2016 and 2017

Table Global Commutator Sales Market Share (%) by Players in 2016 and 2017

Figure Global Commutator Sales Market Share by Players in 2016

Figure Global Commutator Sales Market Share by Players in 2017

Table Global Commutator Revenue by Players in 2016 and 2017

Table Global Commutator Revenue Market Share (%) by Players in 2016 and 2017

Figure Global Commutator Revenue Market Share by Players in 2016

Figure Global Commutator Revenue Market Share by Players in 2017

Table Global Commutator Average Price by Players in 2016 and 2017

Figure Global Commutator Average Price by Players in 2017

Table Global Commutator Manufacturing Base Distribution and Sales Area by Players

Table Players Commutator Product Types

Figure Commutator Market Share of Top 3 Players
Figure Commutator Market Share of Top 5 Players
Table Global Commutator Sales by Regions (2013-2018)
Table Global Commutator Sales Market Share by Regions (2013-2018)
Figure Global Commutator Sales Market Share by Regions (2013-2018)
Figure Global Commutator Sales Market Share by Regions in 2017
Table Global Commutator Revenue by Regions (2013-2018)
Table Global Commutator Revenue Market Share by Regions (2013-2018)
Figure Global Commutator Revenue Market Share by Regions (2013-2018)
Figure Global Commutator Revenue Market Share by Regions in 2017
Table Global Commutator Sales by Type (2013-2018)
Table Global Commutator Sales Market Share by Type (2013-2018)
Figure Global Commutator Sales Market Share by Type (2013-2018)
Figure Global Commutator Sales Market Share by Type in 2017
Table Global Commutator Revenue by Type (2013-2018)
Table Global Commutator Revenue Market Share by Type (2013-2018)
Figure Global Commutator Revenue Market Share by Type (2013-2018)
Figure Global Commutator Revenue Market Share by Type in 2017
Table Global Commutator Price by Type (2013-2018)
Table Global Commutator Sales by Application (2013-2018)
Figure Global Commutator Sales Market Share by Application in 2017
Table Global Commutator Sales Market Share by Application (2013-2018)
Figure Global Commutator Sales Market Share by Application (2013-2018)
Table Global Commutator Sales, Revenue, Price and Gross Margin (2013-2018)
Table North America Top 5 Players Commutator Sales in 2016 and 2017
Table North America Top 5 Players Commutator Sales Market Share (%) in 2016 and 2017
Figure North America Top 5 Players Commutator Sales Share in 2016
Figure North America Top 5 Players Commutator Sales Share in 2017
Table North America Top 5 Players Commutator Revenue in 2016 and 2017
Table North America Top 5 Players Commutator Revenue Market Share (%) in 2016 and 2017
Figure North America Top 5 Players Commutator Revenue Share in 2016
Figure North America Top 5 Players Commutator Revenue Share in 2017
Table North America Commutator Sales by Type (2013-2018)
Figure 2017 North America Commutator Sales Market Share by Type
Table North America Commutator Sales Market Share by Type (2013-2018)
Figure North America Commutator Sales Market Share by Type (2013-2018)
Table North America Commutator Revenue by Type (2013-2018)

Figure North America Commutator Revenue Market Share by Type in 2017
Table North America Commutator Revenue Market Share by Type (2013-2018)
Figure North America Commutator Revenue Market Share by Type (2013-2018)
Table North America Commutator Price by Type (2013-2018)
Table North America Commutator Sales by Application (2013-2018)
Figure North America Commutator Sales by Application in 2017
Table North America Commutator Sales Market Share by Application (2013-2018)
Figure North America Commutator Sales Market Share by Application (2013-2018)
Table North America Commutator Sales by Country (2013-2018)
Figure 2017 North America Commutator Sales Market Share by Country
Table North America Commutator Sales Market Share by Country (2013-2018)
Figure North America Commutator Sales Market Share by Country (2013-2018)
Table North America Commutator Import & Export (2013-2018)
Table Europe Top 5 Players Commutator Sales in 2016 and 2017
Table Europe Top 5 Players Commutator Sales Market Share (%) in 2016 and 2017
Figure Europe Top 5 Players Commutator Sales Share in 2016
Figure Europe Top 5 Players Commutator Sales Share in 2017
Table Europe Top 5 Players Commutator Revenue in 2016 and 2017
Table Europe Top 5 Players Commutator Revenue Market Share (%) in 2016 and 2017
Figure Europe Top 5 Players Commutator Revenue Share in 2016
Figure Europe Top 5 Players Commutator Revenue Share in 2017
Table Europe Commutator Sales by Type (2013-2018)
Figure 2017 Europe Commutator Sales Market Share by Type
Table Europe Commutator Sales Market Share by Type (2013-2018)
Figure Europe Commutator Sales Market Share by Type (2013-2018)
Table Europe Commutator Revenue by Type (2013-2018)
Figure Europe Commutator Revenue Market Share by Type in 2017
Table Europe Commutator Revenue Market Share by Type (2013-2018)
Figure Europe Commutator Revenue Market Share by Type (2013-2018)
Table Europe Commutator Price by Type (2013-2018)
Table Europe Commutator Sales by Application (2013-2018)
Figure Europe Commutator Sales Market Share by Application in 2017
Table Europe Commutator Sales Market Share by Application (2013-2018)
Figure Europe Commutator Sales Market Share by Application (2013-2018)
Table Europe Commutator Sales by Country (2013-2018)
Figure Europe Commutator Sales Market Share by Country in 2017
Table Europe Commutator Sales Market Share by Country (2013-2018)
Figure Europe Commutator Sales Market Share by Country (2013-2018)
Table Europe Commutator Import & Export (2013-2018)

Table Asia-Pacific Top 5 Players Commutator Sales in 2016 and 2017

Table Asia-Pacific Top 5 Players Commutator Sales Market Share (%) in 2016 and 2017

Figure Asia-Pacific Top 5 Players Commutator Sales Share in 2016

Figure Asia-Pacific Top 5 Players Commutator Sales Share in 2017

Table Asia-Pacific Top 5 Players Commutator Revenue in 2016 and 2017

Table Asia-Pacific Top 5 Players Commutator Revenue Market Share (%) in 2016 and 2017

Figure Asia-Pacific Top 5 Players Commutator Revenue Share in 2016

Figure Asia-Pacific Top 5 Players Commutator Revenue Share in 2017

Table Asia-Pacific Commutator Sales by Type (2013-2018)

Figure Asia-Pacific Commutator Sales Market Share by Type in 2017

Table Asia-Pacific Commutator Sales Market Share by Type (2013-2018)

Figure Asia-Pacific Commutator Sales Market Share by Type (2013-2018)

Table Asia-Pacific Commutator Revenue by Type (2013-2018)

Table Asia-Pacific Commutator Revenue Market Share by Type (2013-2018)

Figure Asia-Pacific Commutator Revenue Market Share by Type (2013-2018)

Figure Asia-Pacific Commutator Revenue Market Share by Type in 2017

Table Asia-Pacific Commutator Price by Type (2013-2018)

Table Asia-Pacific Commutator Sales by Application (2013-2018)

Figure Asia-Pacific Commutator Sales by Application in 2017

Table Asia-Pacific Commutator Sales Market Share by Application (2013-2018)

Figure Asia-Pacific Commutator Sales Market Share by Application (2013-2018)

Table Asia-Pacific Commutator Sales by Country (2013-2018)

Figure Asia-Pacific Commutator Sales Market Share by Country in 2017

Table Asia-Pacific Commutator Sales Market Share by Country (2013-2018)

Figure Asia-Pacific Commutator Sales Market Share by Country (2013-2018)

Table Asia-Pacific Commutator Import & Export (2013-2018)

Table South America Top 5 Players Commutator Sales in 2016 and 2017

Table South America Top 5 Players Commutator Sales Market Share (%) in 2016 and 2017

Figure South America Top 5 Players Commutator Sales Share in 2016

Figure South America Top 5 Players Commutator Sales Share in 2017

Table South America Top 5 Players Commutator Revenue in 2016 and 2017

Table South America Top 5 Players Commutator Revenue Market Share (%) in 2016 and 2017

Figure South America Top 5 Players Commutator Revenue Share in 2016

Figure South America Top 5 Players Commutator Revenue Share in 2017

Table South America Commutator Sales by Type (2013-2018)

Figure South America Commutator Sales by Type in 2017

Table South America Commutator Sales Market Share by Type (2013-2018)

Figure South America Commutator Sales Market Share by Type (2013-2018)

Table South America Commutator Revenue by Type (2013-2018)

Figure South America Commutator Revenue by Type in 2017

Table South America Commutator Revenue Market Share by Type (2013-2018)

Figure South America Commutator Revenue Market Share by Type (2013-2018)

Table South America Commutator Price by Type (2013-2018)

Table South America Commutator Sales by Application (2013-2018)

Figure South America Commutator Sales by Application in 2017

Table South America Commutator Sales Market Share by Application (2013-2018)

Figure South America Commutator Sales Market Share by Application (2013-2018)

Table South America Commutator Sales by Country (2013-2018)

Figure South America Commutator Sales by Country in 2017

Table South America Commutator Sales Market Share by Country (2013-2018)

Figure South America Commutator Sales Market Share by Country (2013-2018)

Table South America Commutator Import & Export (2013-2018)

Table Middle East & Africa Top 5 Players Commutator Sales in 2016 and 2017

Table Middle East & Africa Top 5 Players Commutator Sales Market Share (%) in 2016 and 2017

Figure Middle East & Africa Top 5 Players Commutator Sales Share in 2016

Figure Middle East & Africa Top 5 Players Commutator Sales Share in 2017

Table Middle East & Africa Top 5 Players Commutator Revenue in 2016 and 2017

Table Middle East & Africa Top 5 Players Commutator Revenue Market Share (%) in 2016 and 2017

Figure Middle East & Africa Top 5 Players Commutator Revenue Share in 2016

Figure Middle East & Africa Top 5 Players Commutator Revenue Share in 2017

Table Middle East & Africa Commutator Sales by Type (2013-2018)

Figure Middle East & Africa Commutator Sales by Type in 2017

Table Middle East & Africa Commutator Sales Market Share by Type (2013-2018)

Figure Middle East & Africa Commutator Sales Market Share by Type (2013-2018)

Table Middle East & Africa Commutator Revenue by Type (2013-2018)

Figure Middle East & Africa Commutator Revenue by Type in 2017

Table Middle East & Africa Commutator Revenue Market Share by Type (2013-2018)

Figure Middle East & Africa Commutator Revenue Market Share by Type (2013-2018)

Table Middle East & Africa Commutator Price by Type (2013-2018)

Table Middle East & Africa Commutator Sales by Application (2013-2018)

Figure Middle East & Africa Commutator Sales by Application in 2017

Table Middle East & Africa Commutator Sales Market Share by Application (2013-2018)

Figure Middle East & Africa Commutator Sales Market Share by Application (2013-2018)

Table Middle East & Africa Commutator Sales by Country (2013-2018)

Figure Middle East & Africa Commutator Sales by Country in 2017

Table Middle East & Africa Commutator Sales Market Share by Country (2013-2018)

Figure Middle East & Africa Commutator Sales Market Share by Country (2013-2018)

Table Middle East & Africa Commutator Import & Export (2013-2018)

Table Kolektor Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Kolektor Commutator Sales, Revenue, Price and Gross Margin (2013-2018)

Figure Kolektor Commutator Market Share (2013-2018)

Table Huarui Electric Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Huarui Electric Commutator Sales, Revenue, Price and Gross Margin (2013-2018)

Figure Kaizhong Commutator Market Share (2013-2018)

Table Kaizhong Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Kaizhong Commutator Sales, Revenue, Price and Gross Margin (2013-2018)

Figure Kaizhong Commutator Market Share (2013-2018)

Table Angu Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Angu Commutator Sales, Revenue, Price and Gross Margin (2013-2018)

Figure Angu Commutator Market Share (2013-2018)

Table Sugiyama Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Sugiyama Commutator Sales, Revenue, Price and Gross Margin (2013-2018)

Figure Sugiyama Commutator Market Share (2013-2018)

Table Great Wall Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Great Wall Commutator Sales, Revenue, Price and Gross Margin (2013-2018)

Figure Great Wall Commutator Market Share (2013-2018)

Table Nettelhoff Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Nettelhoff Commutator Sales, Revenue, Price and Gross Margin (2013-2018)

Figure Nettelhoff Commutator Market Share (2013-2018)

Table Lifeng Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Lifeng Commutator Sales, Revenue, Price and Gross Margin (2013-2018)

Figure Lifeng Commutator Market Share (2013-2018)

Table Suzhou Kegou Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Suzhou Kegou Commutator Sales, Revenue, Price and Gross Margin (2013-2018)

Figure Suzhou Kegou Commutator Market Share (2013-2018)

Table Electric Materials Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Electric Materials Commutator Sales, Revenue, Price and Gross Margin (2013-2018)

Figure Electric Materials Commutator Market Share (2013-2018)

Table Takachiho Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table TRIS Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table MAM Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Toledo Basic Information, Manufacturing Base, Sales Area and Its Competitors

Figure Global Commutator Sales and Growth Rate Forecast (2018-2023)

Figure Global Commutator Revenue and Growth Rate Forecast (2018-2023)

Table Global Commutator Sales Forecast by Regions (2018-2023)

Table Global Commutator Sales Market Share Forecast by Regions (2018-2023)

Table Global Commutator Sales Forecast by Type (2018-2023)

Table Global Commutator Sales Market Share Forecast by Type (2018-2023)

Table Global Commutator Sales Forecast by Application (2018-2023)

Table Global Commutator Sales Market Share Forecast by Application (2018-2023)

Table Sales Base and Market Concentration Rate of Raw Material

Figure Price Trend of Key Raw Materials

Table Key Suppliers of Raw Materials

Figure Manufacturing Cost Structure of Commutator

Figure Manufacturing Process Analysis of Commutator

Figure Commutator Industrial Chain Analysis

Table Raw Materials Sources of Commutator Major Players in 2017

Table Major Buyers of Commutator

Table Distributors/Traders List

I would like to order

Product name: 2018 Top 5 Commutator Players in North America, Europe, Asia-Pacific, South America, Middle East and Africa

Product link: <https://marketpublishers.com/r/21E7365EB93EN.html>

Price: US\$ 4,960.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/21E7365EB93EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

