

Global Arc Fault Circuit Interrupter (AFCI) Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Arc Fault Circuit Interrupter (AFCI) market size was valued at US\$ 4319 million in 2024 and is forecast to a readjusted size of USD 4938 million by 2031 with a CAGR of 2.0% during review period.

The primary function of an Arc Fault Circuit Interrupters (AFCI) is to detect and identify dangerous grounding, parallel, and series Arc faults, and to actuate the device that disconnects the current in time to avoid electrical fire. When an arc fault occurs, because the current intensity is small, lower than the set value of the overcurrent protection widely installed in the power system, especially in the low-voltage distribution field, the installation of AFCI arc fault circuit breaker in the distribution line terminal can detect the arc in time and cut off the circuit, effectively reducing the loss caused by the arc.

Schneider Electric, ABB, Eaton, Siemens and Leviton are the major global fault arc breaker (AFCI) manufacturers. Schneider Electric is the world's largest manufacturer of faulted arc breakers (AFCI), accounting for 30% of the total global AFCI market, followed by ABB, which accounts for approximately 23% of the total global AFCI market turnover.

At present, AFCI is mainly divided into branch/feeder type, combined AFCI (CAFCI) and others, of which combined AFCI (CAFCI) is the main type of AFCI, accounting for about 74% of the global market.

This report is a detailed and comprehensive analysis for global Arc Fault Circuit

Interrupter (AFCI) market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Arc Fault Circuit Interrupter (AFCI) market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Arc Fault Circuit Interrupter (AFCI) market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Arc Fault Circuit Interrupter (AFCI) market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Arc Fault Circuit Interrupter (AFCI) market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Arc Fault Circuit Interrupter (AFCI)

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Arc Fault Circuit Interrupter (AFCI) market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Schneider Electric, ABB, Eaton, Siemens, Leviton, JIYE ELECTRIC, FZKCA, Chengyang, etc.

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

Market Segmentation

Arc Fault Circuit Interrupter (AFCI) market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Branch/Feeder Type Arc Fault Circuit Breakers

Combined AFCI (CAFCI)

Other

Market segment by Application

Residential Sector

Commercial/Industrial Sector

Major players covered

Schneider Electric

ABB

Eaton

Siemens

Leviton

JIYE ELECTRIC

FZKCA

Chengyang

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 Arc Fault Circuit Interrupter (AFCI) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Arc Fault Circuit Interrupter (AFCI), with price, sales quantity, revenue, and global market share of Arc Fault Circuit Interrupter (AFCI) from 2020 to 2025.

Chapter 3, the Arc Fault Circuit Interrupter (AFCI) competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Arc Fault Circuit Interrupter (AFCI) breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market

share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Arc Fault Circuit Interrupter (AFCI) market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Arc Fault Circuit Interrupter (AFCI).

Chapter 14 and 15, to describe Arc Fault Circuit Interrupter (AFCI) sales channel, distributors, customers, research findings and conclusion.

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