

Air Circuit Breaker Market Report and Forecast 2025-2034

Market Report | 2025-07-28 | 171 pages | EMR Inc.

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Report description:

The global air circuit breaker market stood at a value of around USD 4.20 Billion in 2024 . The market is further expected to grow in the forecast period of 2025-2034 at a CAGR of 3.60% to reach USD 5.98 Billion by 2034 .

Air Blast Circuit Breaker Segment to Exhibit a Significant Growth in the Forecast Period

Based on type, the air blast circuit breaker segment is predicted to have a significant growth in the forecast period. The growth can be attributed to the significant advancements in technology, which are integrated into these circuit breakers to make them highly efficient. In comparison to the plain air circuit breaker, the air blast circuit breaker has relatively low chances of fire hazard. These factors are expected to drive the segment growth in the forecast period.

The Asia Pacific Region to Occupy a Significant Market Share in the Air Circuit Breaker Industry

The air circuit breaker industry in the Asia Pacific is expected to have a significant growth in the forecast period owing to the increased focus on the protection of industrial equipment and electrical machines, such as capacitors, generators, and transformers, through the utilisation of air circuit breakers at production plants. Additionally, the growing investment in expanding transmission and distribution networks is driving the industry growth of air circuit breakers in the region. Moreover, the favourable government policy for generating renewable power is further expected to propel the growth of the air circuit breaker industry in the region in the forecast period.

Air Circuit Breaker: Market Segmentation

An air circuit breaker is an electrical device that protects electric circuits over 800 to 10,000 Amps from overcurrent and short circuits. These are typically used in low-voltage applications that are less than 450V. It is widely used by industrial users owing to its technical advantages such as high performance, ease of installation, durability, and maintenance. It is used for the protection of electrical machines, transformers, plants, capacitors, and generators against faults such as short circuits, over frequency or

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over voltage, earth fault, reverse power, and others.

On the basis of voltage, the industry can be segmented into:

- Low-Voltage
- Medium-Voltage

On the basis of type, the industry can be divided into:

- Plain Air Circuit Breaker
- Air Blast Circuit Breaker

Based on application, the industry can be categorised into:

- Industrial
- Commercial
- Residential

Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Increasing Demand for Secure Power Supply to Bolster the Growth of the Global Air Circuit Breaker Industry

The global market for air circuit breaker industry has been growing considerably for the last few years. Growing renewable power generation, rising demand for energy storage and decentralised power systems, and increasing demand for secure and reliable power supply are the key factors driving the global air circuit breaker industry. Additionally, the market is expected to grow owing to the increasing investments in the development of advanced air circuit breakers that require compressors with low air pressure. Moreover, the growing urbanisation and growth in infrastructure services are driving the need for secure and reliable power, which, in turn, is expected to propel the demand for these devices.

Key Industry Players in the Global Air Circuit Breaker Market

The report gives a detailed analysis of the following key players in the global air circuit breaker market, covering their competitive landscape, capacity, and latest developments like mergers, acquisitions, and investments, expansions of capacity, and plant turnarounds:

- ABB Ltd.
- Eaton Corporation PLC
- Fuji Electric Co., Ltd.
- Mitsubishi Electric Corporation
- Siemens AG
- Hitachi Industrial Equipment Systems Co., Ltd.

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- Others

The comprehensive EMR report provides an in-depth assessment of the market based on the Porter's five forces model along with giving a SWOT analysis.

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