

# **Global DC Contactor Market Size study & Forecast, by Type (Definite-Purpose DC Contactors, General Purpose DC Contactors ), by End-User (Electric Vehicle, Renewable Energy and Storage, Aerospace and Defence, Industrial Machineries, Others) and Regional Analysis, 2023-2030**

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## **Abstracts**

Global DC Contactor Market is valued at approximately USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX% during the forecast period 2023-2030. DC (Direct Current) contactor is an electrical switch designed for controlling high-current DC loads. It is a device that allows or interrupts the flow of electric current in a circuit. Contactors are commonly used in industrial applications where large electrical loads need to be switched on and off. They are particularly useful in situations where manual switching is impractical or unsafe. The key factors driving the market growth are increasing adoption of automation and robotics in industries, growing emphasis on renewable energy sources, and rising adoption of rise in electric vehicles that are anticipated to create the lucrative demand for the market during the forecast period 2023-2030.

Additionally, the demand for DC contactors is often closely tied to industrial automation and manufacturing activities. As these sectors expand and upgrade their machinery and processes, there is a need for reliable and efficient DC contactors to control various devices and equipment. Thus, the growing industrial automation is anticipated to support the market growth. For instance, as of 2020, South Korea boasted a deployment of 342,983 industrial robots. The International Federation of Robotics (IFR) reported an 11% surge in the demand for robots in 2021 within the electronics and automotive sectors, with an average overall increase of 8% compared to the 2020. Also,

by the end of 2020, the Ministry of SMEs and Startups reported a notable increase in registered smart factories in Korea, reaching a total of 19,799. This marked a substantial rise from the figures of 12,660 in 2019 and 7,903 in 2018, underscoring the significant growth in the adoption of smart manufacturing facilities over these three years. As a result, the growing adoption of smart factories and industrial robots is anticipated to create a lucrative demand for the market. Moreover, growing railway electrification projects, and the increasing evolution of smart grid technologies are anticipated to create lucrative opportunities for the market. However, the high cost of DC contactors and the availability of alternatives stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global DC Contactor Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to the growing industrial automation and manufacturing, growing focus on renewable energy sources, and presence of key market players. Whereas, the Asia Pacific is expected to grow with the fastest growth rate over the forecast period, owing to factors such as the growing adoption of electric vehicles, increasing development of telecommunications infrastructure, and supportive initiatives related to smart grid development.

Major market player included in this report are:

Omron Corp. (Japan)

Siemens AG (Germany)

Rockwell Automation, Inc (U.S.)

ABB (Switzerland)

TE Connectivity (Switzerland)

Mitsubishi Electric Corporation (Japan)

Sensata Technologies Inc. (U.S.)

Ametec Switch (U.S.)

Hotson International Ltd. (China)

Trombetta Inc. (U.S.)

#### Recent Developments in the Market:

In January 2022, Sensata Technologies unveiled its latest offerings, the GXC and MXC series of Smart Tactor contractors. These advanced devices feature CAN-bus communication, delivering valuable data to enhance the performance of systems, battery systems, and energy storage in industrial applications.

#### Global DC Contactor Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Type, End-User, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it

also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

**By Type:**

Definite-Purpose DC Contactors

General Purpose DC Contactors

**By End-User:**

Electric Vehicle

Renewable Energy and Storage

Aerospace and Defence

Industrial Machineries

Others

**By Region:**

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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