

Automotive Relay Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027

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Abstracts

The global automotive relay market reached a value of US\$ 15.3 Billion in 2021. Looking forward, IMARC Group expects the market to reach US\$ 21.2 Billion by 2027, exhibiting a CAGR of 5.6% during 2022-2027. Keeping in mind the uncertainties of COVID-19, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic. These insights are included in the report as a major market contributor.

An automotive relay is an electromechanical switching device wherein coils generate magnetic force to control and operate a high current circuit in vehicles like cars, vans, trucks, and trailers. It is generally installed in infotainment systems, harnesses, and box modules, such as horn, headlight, auxiliary lamp, fan motor, blower motor, rear and front area, engine, body control, powertrain, roof, seat, and door. It increases passenger comfort, supports advanced safety features, and can operate in harsh environments. At present, it is widely available in various forms, ranging from plug-ins and printed circuit boards (PCBs) to nominal coil voltage and high-voltage contactors.

Automotive Relay Market Trends:

The growing demand for luxurious and smart vehicles on account of rapid urbanization and inflating income levels is positively influencing the adoption of the latest infotainment systems in automobiles. This represents one of the key factors positively influencing the demand for automotive relays to provide convenience and enhance the overall driving experience. Moreover, stringent regulations implemented by governments of numerous countries on fuel efficiency are driving the need for vehicle electrification, which, in turn, is contributing to market growth. Apart from this, a significant rise in the number of fatal road accidents is catalyzing the demand for

automotive relays in switches for airbags, backup sensing systems, energy-absorbing steering, seat belts, head up display (HUD), and head restraints. Furthermore, the increasing use of off-road vehicles for construction purposes on account of rising investments in infrastructural development is bolstering the market growth. Besides this, the emerging trend of connected and modern vehicles is projected to drive the demand for compact relays in power steering, sunroof, power windows, cruise control, and navigation services.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global automotive relay market, along with forecasts at the global, regional and country level from 2022-2027. Our report has categorized the market based on product, application and vehicle type.

Breakup by Product:

- PCB Relay
- Plug-in Relay
- High Voltage Relay
- Others

Breakup by Application:

- Powertrain Systems
- Body and Chassis
- Convenience
- Safety and Security
- Driver Information

Breakup by Vehicle Type:

- Passenger Vehicles
- Commercial Vehicles
- Electric Vehicles

Breakup by Region:

- North America
- United States

Canada
Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being ABB Ltd., BorgWarner Inc., DENSO Corporation, Eaton Corporation plc, Fujitsu Limited (Furukawa Co. Ltd.), HELLA GmbH & Co. KGaA, Littelfuse Inc., LS Automotive India Pvt Ltd., OMRON Corporation, Panasonic Corporation, Robert Bosch GmbH, Siemens AG and TE Connectivity.

Key Questions Answered in This Report:

How has the global automotive relay market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global automotive relay market?

What are the key regional markets?

What is the breakup of the market based on the product?

What is the breakup of the market based on the application?

What is the breakup of the market based on the vehicle type?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global automotive relay market and who are the key players?

What is the degree of competition in the industry?

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