

# **Global Solid State Relay Market size by Mounting Type (Panel, PCB, DIN Rail, Others), Output Voltage (AC, DC, AC/DC), Current Rating (Low, Medium, High), Application (Industrial Automation, Machine Tools, Elevators, Conveyor Systems, Others), and Geography - Global Forecast to 2027**

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## **Abstracts**

Global Solid State Relay Market is valued approximately at USD 1.03 million in 2019 and is anticipated to grow with a growth rate of more than 6.6% over the forecast period 2020-2027. Solid State Relay are the electronic switch device with semiconductor switching elements thyristors, triacs, diodes, and transistors which gets switch on or off when a small external voltage is applied across its control terminals. Growing demand to upgrade the power infrastructure in developed countries and establishment of new power infrastructure is expected to becoming driving factor for solid state relay the market. For instance, in 2020, Ameren, one of the largest utility companies in the United States, announced that it plans to spend USD 7.6 billion on a five-year grid modernization plan that includes the installation of smart meters to develop solar energy and battery storage in rural areas and switch to storm-resilient utility poles and wires. Moreover , the growing adoption of high-tech electronics due to increase in global consumer electronic market also acting as a key driving factor for the market .However , cost of a solid state relay is significantly higher than an electromechanical relay and this can restrain the growth of the market .

The regional analysis of global 5G in Automotive and Smart Transportation market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World. North America is the leading/significant region across the world in terms of market share due to the increasing investment in manufacturing

electronic devices. California has maximum number of electric vehicles charging units and consist third of nationwide share.

**Major market player included in this report are:**

Crydom (US),

Omron Corporation (Japan),

Carlo Gavazzi (Switzerland),

Vishay Intertechnology (US)

Omega Engineering (US).

Infineon Technologies AG,

Vishay Intertechnology (Siliconix),

Fairchild Semiconductor,

Texas Instruments Incorporated,

Rockwell Automation, Inc.

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 eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available 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 Mounting Type:**

Panel

PCB

DIN Rail

Others (plug-in, SO4, and DIP)

**By Output Voltage:**

AC

DC

AC/DC

**By Current Rating:**

Low (0A–20A)

Medium (20A–50A)

High (More than 50A)

**By Application:**

Industrial Automation

Machine Tools

Elevators

Conveyor Systems

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

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2017, 2018

Base year – 2019

Forecast period – 2020 to 2027

**Target Audience of the Global 5G in Automotive and Smart Transportation Market in Market Study:**

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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Crydom (US),  
Omron Corporation (Japan),  
Carlo Gavazzi (Switzerland),  
Vishay Intertechnology (US)  
Omega Engineering (US).  
Infineon Technologies AG,  
Vishay Intertechnology (Siliconix),  
Fairchild Semiconductor,  
Texas Instruments Incorporated,  
Rockwell Automation, Inc.

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