

Global Ground Fault Sensing and Protection Devices 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 Ground Fault Sensing and Protection Devices market size was valued at US\$ 458 million in 2024 and is forecast to a readjusted size of USD 620 million by 2031 with a CAGR of 4.4% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Ground fault sensing and protection devices are electrical safety components designed to detect and respond to ground faults—unintended electrical paths between a power source and the ground. These devices continuously monitor current flow and identify imbalances between the hot and neutral conductors, which may indicate leakage to ground due to insulation failure, water intrusion, or accidental contact. Upon detecting a fault, they quickly interrupt the circuit to prevent electric shock, equipment damage, or fire. Common types include Ground Fault Circuit Interrupters (GFCIs), Residual Current Devices (RCDs), and Ground Fault Protection of Equipment (GFPE), and they are widely used in residential, commercial, and industrial applications to enhance electrical safety.

This report is a detailed and comprehensive analysis for global Ground Fault Sensing and Protection Devices 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 Ground Fault Sensing and Protection Devices market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Ground Fault Sensing and Protection Devices 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 Ground Fault Sensing and Protection Devices 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 Ground Fault Sensing and Protection Devices 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 Ground Fault Sensing and Protection Devices
- 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 Ground Fault Sensing and Protection Devices 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, Eaton, ABB, Siemens, Littelfuse, Leviton Manufacturing, General Electric (GE), Morningstar, NK Technologies, MOLEX, etc.

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

Market Segmentation

Ground Fault Sensing and Protection Devices 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

Ground Fault Circuit Interrupters

Differential Relays

Ground Fault Monitoring Systems

Receptacles

Market segment by Application

Residential Settings

Commercial Settings

Major players covered

Schneider Electric

Eaton

ABB

Siemens

Littelfuse

Leviton Manufacturing

General Electric (GE)

Morningstar

NK Technologies

MOLEX

Tower Manufacturing

Omron

BENDER

Guangdong Ford Electronics

Beijing DHHB

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 Ground Fault Sensing and Protection Devices product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Ground Fault Sensing and Protection Devices, with price, sales quantity, revenue, and global market share of Ground Fault Sensing and Protection Devices from 2020 to 2025.

Chapter 3, the Ground Fault Sensing and Protection Devices competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Ground Fault Sensing and Protection Devices 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 Ground Fault Sensing and Protection Devices 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 Ground Fault Sensing and Protection Devices.

Chapter 14 and 15, to describe Ground Fault Sensing and Protection Devices sales channel, distributors, customers, research findings and conclusion.

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