

# Global Cylindrical Inductive Safety Switch 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 Cylindrical Inductive Safety Switch market size was valued at US\$ 466 million in 2024 and is forecast to a readjusted size of USD 606 million by 2031 with a CAGR of 3.8% 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.

A cylindrical inductive safety switch is a type of non-contact sensor designed to detect the presence of metallic objects while meeting functional safety standards required for machine and operator protection. Housed in a round, threaded cylindrical body (typically in sizes like M8, M12, M18, or M30), this switch operates based on the principle of electromagnetic induction—generating an electromagnetic field that changes when a metal target enters its sensing range. Unlike standard inductive sensors, cylindrical inductive safety switches are certified for use in safety-critical applications, often achieving safety integrity levels such as SIL 2/3 (Safety Integrity Level) or PL d/e (Performance Level) as defined by international safety standards. Their rugged, wear-free design makes them ideal for harsh industrial environments, ensuring reliable position monitoring, presence detection, and machine interlocking in areas like automotive manufacturing, packaging lines, robotics, and material handling systems.

This report is a detailed and comprehensive analysis for global Cylindrical Inductive Safety Switch 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 Cylindrical Inductive Safety Switch market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Cylindrical Inductive Safety Switch 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 Cylindrical Inductive Safety Switch 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 Cylindrical Inductive Safety Switch 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 Cylindrical Inductive Safety Switch
- 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 Cylindrical Inductive Safety Switch 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 SICK, Pilz, Schneider Electric, Pepperl+Fuchs, OMRON, BERNSTEIN, Turck, Schmersal, Rockwell Automation, Leuze, etc.

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

### **Market Segmentation**

Cylindrical Inductive Safety Switch 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**

Flush

Non-flush

### **Market segment by Application**

Automotive

Packaging

Pharmaceutical

Food and Beverage

Oil and Gas

Others

### **Major players covered**

SICK

Pilz

Schneider Electric

Pepperl+Fuchs

OMRON

BERNSTEIN

Turck

Schmersal

Rockwell Automation

Leuze

Panasonic

Balluff

4B Group

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 Cylindrical Inductive Safety Switch product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Cylindrical Inductive Safety Switch, with price, sales quantity, revenue, and global market share of Cylindrical Inductive Safety Switch from 2020 to 2025.

Chapter 3, the Cylindrical Inductive Safety Switch competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Cylindrical Inductive Safety Switch 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 Cylindrical Inductive Safety Switch 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 Cylindrical Inductive Safety Switch.

Chapter 14 and 15, to describe Cylindrical Inductive Safety Switch sales channel, distributors, customers, research findings and conclusion.

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