



# Safety Sensors and Switches Market is anticipated to hit \$3.47 billion by 2023 at a CAGR of 7.50%

*The European region holds the largest market share and growth in the Safety Sensors and Switches Market, and is anticipated to reach \$1.45 billion by 2023*

HYDERABAD, TELANGANA, INDIA, August 23, 2018 /EINPresswire.com/ -- According to the new market research report by IndustryARC titled "[Safety Sensors and Switches Market](#): By Types (Thru Beam Sensors, Light Grid, Safety Light Curtains, Others) Safety Switches (Inductive Switches, Position Switches, Others) Command Devices (Enabling Switches, Push Buttons, Others) By Components, End Use Verticals & Applications – Forecast (2018-2023), the market is driven by the increasing demand from end-user verticals, especially from manufacturing industries such as automotive, food and beverages, pharmaceutical, paper and pulp, chemical, aerospace and so on.

Europe held the largest market share in the Safety Sensors and Switches Market

The European region holds the largest market share and growth in the Safety Sensors and Switches Market, and is anticipated to reach \$1.45 billion by 2023 at a CAGR of 2.00%. However, APAC is estimated to register highest growth rate by reaching \$949.3 million by 2023 at a CAGR of 5%. Europe's major share in Safety Switches and Sensors Market is due to its dominance in automotive and automation sector. The most used safety sensors and switches in this region are safety light curtains, Anti-collision sensors, laser scanners and safety interlocks and safety PLC's.

Selected Value Chain Analysis done in the full report:

The components such as Infrared sensors, proximity sensors, laser sensors, ultrasonic sensors and so on are provided to original equipment manufacturers (OEM) by component manufactures. The raw materials such as plastic, housings, electronic appliances and so on are provided to OEM by raw material manufacturers. The original equipment such as safety light curtains, safety laser scanners, safety mats, safety interlocks and so on are designed, produced and assembled using the raw materials and components.

The equipment is then sent to global distributors followed by regional distributors and finally reaches end-user verticals. The major end-user industries for this market include manufacturing industries such as automotive, food and beverages, pharmaceuticals, paper and pulp, chemical, aerospace and so on.

To access / purchase the full report browse the link below:

<https://industryarc.com/Report/121/Safety-Sensors-Market.html>

Excerpts on Market Growth Factors:

The stringent safety requirements to protect labor in manufacturing industries works as one of the major driver that propels the market. Other factors include new product launches and the presence of considerable number of major manufacturers to meet the rising demand for safety systems

In Europe, anti-collision sensors held major share in safety sensors market which is estimated to reach \$3,046.5 million by 2020 with a remarkable growing CAGR of 8.9% during the forecast period.

In Europe, safety light curtains are estimated to reach 288.6 thousand units by 2020 with a growing CAGR of 1.8% during the forecast period.

Safety position switches held significant market share and along with separate actuators, the market is estimated to grow at the maximum CAGR of 7% to reach \$57.3 million by 2020.

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Key players of Safety Sensors and Switches Market:

The key players of safety sensor are SICK AG, Pepperl + Fuchs, Rockwell Automation, ifm Electronic GmbH, Omron Corporation, Datalogic S.p.A., and Pilz GmbH & Co. KG.

SICK AG is the majority shareholder in the market with a global share of 24%. Pepperl+Fuchs is the second major shareholder with a share of 19%, followed by companies such as Rockwell Automation, Ifm Electronic GmbH, Omron Corporation and Datalogic S.p.A.

Key players have published some significant patents pertaining to safety switches and sensors. Omron Corporation's patent portfolio encompasses extensive range of products and technologies pertaining to safety light curtains, safety laser scanners, door switches, limit switches and more safety switching devices.

Rockwell automation also has an extensive patent portfolio covering its safety sensors and switches in recent past. Its patent portfolio focuses majorly on safety switches segment.

The patent portfolio of SICK AG covers diverse range of technologies which includes safety laser scanners, safety light curtains, safety light grids, opto-electronic devices and safety switches. Pilz GmbH & Co. KG and IDEC Corporation have also registered considerable number of patents in the recent past.

ABB Ltd holds the largest share in global safety sensors and switches market. It also invested the highest share of capital in R&D department for enhancing and improving its product portfolio.

The key players of safety sensor are SICK AG, Pilz GmbH & Co. KG, Ifm efector, inc. GmbH.

In the recent past, Pilz expanded its capacity in large number, which is a good indication for growth in safety sensor market in Germany.

Safety Sensors and Switches Market Report is segmented as indicated below:

Safety Sensors and Switches Market By Type:

1 Manufacturing & Processing Industries

1.1 Opto-Electronic/Photo Electric Devices

1.1.1 Safety Through Beam Sensors

1.1.2 Fiber-Optic Sensors

1.1.3 Infrared (IR) Light

1.1.4 Visible/LED Light

1.1.5 Safety Light Grids

1.1.5.1 With Internal Control Unit

1.1.5.2 Without Control Unit

1.1.6 Safety Light Curtains

1.2 Presence Detection Sensors

1.2.1 Laser Scanner

1.2.2 Safety Edges

1.2.3 Safety Mats

1.3 Safety Switches

1.3.1 Electro-Mechanical Safety Switches / Safety Door Switches

1.3.1.1 Safety Hinge Switches

- 1.3.1.2 Safety Limit Switches
- 1.3.1.3 Safety Locking Devices
- 1.3.1.4 Safety Position Switches
- 1.3.1.5 Safety Switches with Separate Actuator
- 1.3.2 Non-Contact Safety Switches
  - 1.3.2.1 Inductive Safety Switches
  - 1.3.2.2 Magnetic Safety Switches
  - 1.3.2.3 Transponder Safety Switches
- 1.4 Safety Command Devices
  - 1.4.1 Emergency Stop Pushbuttons
  - 1.4.2 Enabling Switches
  - 1.4.3 Rope Pull Switches
- 2 For Automobiles
  - 2.1 Collision Avoidance
    - 2.1.1 Laser
    - 2.1.2 Radar
  - 2.2 Obstacle Avoidance
    - 2.2.1 Proximity Sensors
    - 2.2.2 Ultrasonic Sensors
  - 2.3 Lighting & Wiper Control
    - 2.3.1 Lighting Emitting Diodes (LEDs)
    - 2.3.2 Infrared based Light Sensors
- 3 By Components
  - 3.1 Cable Connection
  - 3.2 Connectors
  - 3.3 Emitting Unit
  - 3.4 Receiving Unit
  - 3.5 Muting Sensors
  - 3.6 Optical Face (Lens)
  - 3.7 Safety Controllers
  - 3.8 Safety Relays
  - 3.9 Switches

#### Safety Sensors and Switches Market By End User Industries

- 1. Aircraft & Aerospace
- 2. Automobile
- 3. Chemical
- 4. Food & Beverage
- 5. Machine & Tools
- 6. Material Handling
- 7. Mining
- 8. Nuclear
- 9. Oil & Gas
- 10. Pulp & Paper
- 11. Packaging
- 12. Pharmaceuticals
- 13. Semiconductors
- 14. Waste Management

#### Safety Sensors and Switches Market by Geography (Covers 12 + Countries)

##### Safety Sensors and Switches Market By Entropy

Companies Cited/Referenced/Interviewed:

Hamamatsu Photonics K.K

Kistler Group

Leuze Electronic GMBH + Co. KG

Baumer Electric AG

Theben AG  
Panasonic Corporation  
Stenel Professional  
Teledyne Dalsa  
Aptina Imaging  
TT Electronics PLC  
IRISYS (Infrared Integrated Systems Ltd)  
Keyence Corporation  
Sofraider EC, Inc;  
Vigo System S.A.  
Carlo Gavazzi Automation Spa  
STMicroelectronics  
ROHM Semiconductor  
Omnivision Technologies  
Vishay Intertechnology

#### Related Reports:

##### A. Distance Measurement Sensors Market

<https://industryarc.com/Report/62/Global-Distance-Measurement-Sensors-Market.html>

##### B. pH Sensors Market

<https://industryarc.com/Report/2329/pH-Sensors-Market-analysis-report.html>

What can you expect from the report?

The Safety Sensors and Switches Market is Prepared with the Main Agenda to Cover the following 20 points:

1. Market Size by Product Categories
2. Market trends
3. Manufacturer Landscape
4. Distributor Landscape
5. Pricing Analysis
6. Top 10 End user Analysis
7. Product Benchmarking
8. Product Developments
9. Mergers & Acquisition Analysis
10. Patent Analysis
11. Demand Analysis (By Revenue & Volume)
12. Country level Analysis (15+)
13. Competitor Analysis
14. Market Shares Analysis
15. Value Chain Analysis
16. Supply Chain Analysis
17. Strategic Analysis
18. Current & Future Market Landscape Analysis
19. Opportunity Analysis
20. Revenue and Volume Analysis

#### Frequently Asked Questions:

Q. Does IndustryARC publish country, geography or application based reports in Safety Sensors and Switches Market?

Response: Yes, we do have separate reports as mentioned below:

1. Americas Market for Safety Sensors and Switches (2018-2023)

2. Europe Market for Safety Sensors and Switches (2018-2023)
3. APAC Market for Safety Sensors and Switches (2018-2023)
4. RoW Market for Safety Sensors and Switches (2018-2023)
5. Opto-Electronic /Photo Electric Devices Market for Sensors and Switches (2018-2023)
6. Presence Detection Sensors Market for Sensors and Switches (2018-2023)
7. Safety Switches Market for Sensors and Switches (2018-2023)
8. Safety Command Devices Market for Sensors and Switches (2018-2023)
9. Collision Avoidance Market for Sensors and Switches (2018-2023)
10. Obstacle Avoidance Market for Sensors and Switches (2018-2023)
11. Lighting & Wiper Control Market for Sensors and Switches (2018-2023)
12. Cable Connection Market for Sensors and Switches (2018-2023)
13. Connectors Market for Sensors and Switches (2018-2023)
14. Emitting Unit Market for Sensors and Switches (2018-2023)
15. Receiving Unit Market for Sensors and Switches (2018-2023)
16. Muting Sensors Market for Sensors and Switches (2018-2023)
17. Optical Face Market for Sensors and Switches (2018-2023)
18. Safety Controllers Market for Sensors and Switches (2018-2023)
19. Safety Relays Market for Sensors and Switches (2018-2023)
20. Switches Market for Sensors and Switches (2018-2023)
21. Aircraft & Aerospace Market for Sensors and Switches (2018-2023)
22. Automobile Market for Sensors and Switches (2018-2023)
23. Chemical Market for Sensors and Switches (2018-2023)
24. Food & Beverages Market for Sensors and Switches (2018-2023)
25. Machine & Tools Market for Sensors and Switches (2018-2023)
26. Material Handling Market for Sensors and Switches (2018-2023)
27. Mining Market for Sensors and Switches (2018-2023)
28. Nuclear Market for Sensors and Switches (2018-2023)
29. Oil & Gas Market for Sensors and Switches (2018-2023)
30. Pulp & Paper Market for Sensors and Switches (2018-2023)
31. Packaging Market for Sensors and Switches (2018-2023)
32. Pharmaceuticals Market for Sensors and Switches (2018-2023)
33. Semiconductors Market for Sensors and Switches (2018-2023)
34. Waste Management Market for Sensors and Switches (2018-2023)

Q. Does IndustryARC customize these reports and charge additionally for limited customization?

Response: Yes, we can customize the report by extracting data from our database of reports and annual subscription databases. We can provide the following free customization:

1. Increase the level of data in application or end user industry.
2. Increase the number of countries in geography chapter.
3. Find out market shares for other smaller companies or companies which are of interest to you.
4. Company profiles can be requested based on your interest.
5. Patent analysis, pricing, product analysis, product benchmarking, value and supply chain analysis can be requested for a country or end use segment.

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