



**Global Monitoring Relays Market Analysis 2020  
with Top Companies, Production, Consumption,  
Price and Growth Rate**

XYZResearch



+86-18500033782 (24h) [sales@xyz-research.com](mailto:sales@xyz-research.com)

+86-13720096695 (24h) [info@xyz-research.com](mailto:info@xyz-research.com)

# **Global Monitoring Relays Market Analysis 2020 with Top Companies, Production, Consumption, Price and Growth Rate**

**Chapters: 13**

**Published Date: Mar. 2020**

Global markets continue to sink as the coronavirus spreads, reaching over 100 countries in total by the end of March. Now the outbreak continued to grow, as the number of cases in USA, Italy, Spain, Germany, France all spiked, Europe and USA have now become the epicenter of the outbreak, Cases in China appear have steadied in April, but there's growing concern about the overall impact to the global market.

In China market, which experienced a difficult 2019 due to slowing domestic consumption and the impact of the Sino-US trade war, is once again facing more disruption and uncertainty at the hands of the coronavirus pandemic. Sales and consumption all fell in the first quarter of 2020, compared with the same period in 2019. The sales revenue of the major players will likely continue slowing in the 2nd quarter but in the second half of the year the fiscal and monetary policy would likely cause a strong rebound

The world's supply chains are facing a root-to-branch shutdown unlike any seen in modern peacetime as efforts to contain the coronavirus outbreak hit everything in the word, the same situation also appeared in Europe, as the epidemic has required large-scale restrictions on the movement of people, investment, consumption and exports will all be strongly impacted by the epidemic, domestic production and consumption will plummet in the first half of 2020. We expected a U-shaped recovery in the second half of the year in USA and Europe market.

Brazil is already the hardest hit country in South America, South America's market were on shaky ground even before the devastating impacts of the coronavirus, following a synchronized economic slowdown last year amid falling global commodity prices.

China, Japan, South Korea, India, and other Asia countries took the lead in introducing unprecedented measures to contain the virus, the market confidence in Asia-Pacific region is returning, EU and USA have relaxed its fiscal rules with maximum flexibility, this will stimulate the market demand in the second half of 2020.



## Product Summary

### Definition

Monitoring Relays are an inexpensive solution for numerous monitoring functions. They ensure error-free and cost-effective operation of system. With monitoring relays, the priority is the protection of persons and the machinery against insulation faults, residual voltages, overvoltage, overcurrent, overload, temperature overload as well as monitoring standstill and true power. Significantly reduce hazardous situations for man and machine, while at the same time increasing the service life of machinery.

**Figure Product Picture of Monitoring Relays**



Source: Public Information, 2020

**Market Segment by regions, this report splits global market into several key regions, with Production, Revenue, Consumption, Market Share of top players in these regions, from 2015 to 2026 (forecast), like**

1. China
2. USA
3. Europe
4. Japan
5. Korea
6. India
7. Southeast Asia

**Split by Product Types, with Production, Revenue, Price, Market Share of each Type and Regions, can be divided into**

1. Three Phase
2. Single Phase

**Figure Three Phase Product Picture**



Source: Public Information, 2020

**Figure Single Phase Product Picture**



Source: Public Information, 2020

**Split by Applications, this report focuses on Sales, Consumption, Market Share and Growth Rate of Monitoring Relays in each Application and Regions, can be divided into**

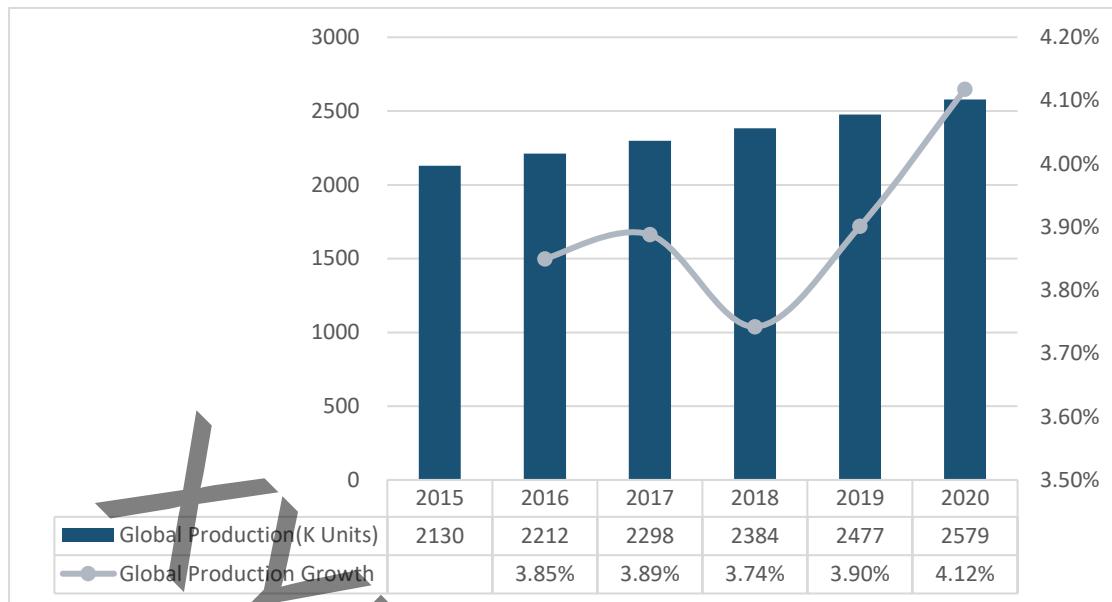
1. Manufacturing
2. Transportation
3. Power Industry
4. Building
5. Other

**Table Global Monitoring Relays Production (K Units) by Regions (2015-2020)**

	2015	2016	2017	2018	2019	2020
<b>China</b>	577	602	628	654	682	712
<b>USA</b>	102	105	108	111	114	119
<b>Europe</b>	971	1005	1041	1077	1116	1159
<b>Japan</b>	292	304	317	330	344	359
<b>Korea</b>	43	44	45	46	47	48
<b>India</b>	31	33	35	37	39	41
<b>Southeast Asia</b>	18	19	20	21	22	23
<b>Global Other</b>	96	100	104	108	113	118
<b>Global Total</b>	2130	2212	2298	2384	2477	2579

Source: Experts Interview, Secondary Sources and XYZ-Research Power Industry Research Center, 2020

**Figure Global Monitoring Relays Production (K Units) and Growth Rate (2015-2020)**



Source: Experts Interview and XYZ-Research, 2020

**Split by company, details are as below, Production, Revenue, Price, Cost and Gross Margin of each players will be included in this report**

1. Omron
2. Hongfa Group
3. Eaton
4. ABB
5. Siemens
6. Finder
7. Schneider Electric
8. PHOENIX CONTACT
9. Banner
10. Pilz
11. Broyce Control
12. APS
13. ETI
14. Zhejiang Geya Electrical

**Table Manufacturers List in the Report**

Manufacturers	Headquarters
1 Omron	Japan
2 Hongfa Group	China
3 Eaton	Ireland
4 ABB	Sweden
5 Siemens	Germany
6 Finder	Italy

<b>7</b>	Schneider Electric	France
<b>8</b>	PHOENIX CONTACT	Germany
<b>9</b>	Banner	United States
<b>10</b>	Pilz	Germany
<b>11</b>	Broyce Control	United Kingdom
<b>12</b>	APS	Switzerland
<b>13</b>	ETI	Serbia
<b>14</b>	Zhejiang Geya Electrical	China

Source: Public Information, 2020



## Table of Contents

<b>1 Report Overview.....</b>	<b>1</b>
1.1 Definition .....	1
1.2 Manufacturers and Regions Overview.....	1
1.2.1 Manufacturers Overview .....	1
1.2.2 Regions Overview.....	2
1.3 Type Overview .....	3
1.3.1 Three Phase.....	3
1.3.2 Single Phase .....	3
1.4 Application and Key Downstream Consumers Overview .....	4
1.4.1 Manufacturing.....	4
1.4.2 Transportation .....	5
1.4.3 Power Industry.....	5
1.4.4 Building .....	6
1.5 Industrial Chain.....	6
1.5.1 Monitoring Relays Overall Industrial Chain.....	6
1.5.2 Upstream .....	7
1.5.3 Downstream.....	7
1.5.4 Economic/Political Environment.....	8
<b>2 Global Monitoring Relays Market Assessment by Type .....</b>	<b>18</b>
2.1 Overall Market Performance .....	18
2.1.1 Product Type Market Performance (Volume).....	18
2.1.1.1 Three Phase .....	19
2.1.1.2 Single Phase .....	19
2.1.2 Product Type Market Performance (Value) .....	20
2.1.2.1 Three Phase .....	21
2.1.2.2 Single Phase .....	22
2.2 China Monitoring Relays Market Performance.....	23
2.3 USA Monitoring Relays Market Performance .....	24
2.4 Europe Monitoring Relays Market Performance .....	26
2.5 Japan Monitoring Relays Market Performance .....	27
2.6 Korea Monitoring Relays Market Performance .....	29
2.7 India Monitoring Relays Market Performance.....	30
2.8 Southeast Asia Monitoring Relays Market Performance .....	32
<b>3 Global Monitoring Relays Market Assessment by Application .....</b>	<b>34</b>
3.1 Overall Market Performance (Volume).....	34
3.1.1 Manufacturing.....	35
3.1.2 Transportation .....	35
3.1.3 Power Industry.....	36
3.1.4 Building .....	37
3.1.5 Other .....	37
3.2 China Monitoring Relays Market Performance (Volume).....	38
3.3 USA Monitoring Relays Market Performance (Volume).....	39
3.4 Europe Monitoring Relays Market Performance (Volume).....	40

3.5 Japan Monitoring Relays Market Performance (Volume).....	41
3.6 Korea Monitoring Relays Market Performance (Volume).....	42
3.7 India Monitoring Relays Market Performance (Volume).....	43
3.8 Southeast Asia Monitoring Relays Market Performance (Volume).....	44
<b>4 Competitive Analysis.....</b>	<b>46</b>
4.1 Omron.....	46
4.1.1 Omron Profiles .....	46
4.1.2 Omron Product Information .....	47
4.1.3 Production, Revenue, Price and Gross Margin of Monitoring Relays .....	48
4.1.4 Omron Monitoring Relays Business Performance.....	48
4.2 Hongfa Group .....	49
4.2.1 Hongfa Group Profiles .....	49
4.2.2 Hongfa Group Product Information .....	50
4.2.3 Production, Revenue, Price and Gross Margin of Monitoring Relays .....	50
4.2.4 Hongfa Group Monitoring Relays Business Performance .....	51
4.3 Eaton.....	52
4.3.1 Eaton Profiles .....	52
4.3.2 Eaton Product Information .....	53
4.3.3 Production, Revenue, Price and Gross Margin of Monitoring Relays .....	54
4.3.4 Eaton Monitoring Relays Business Performance.....	55
4.4 ABB .....	55
4.4.1 ABB Profiles .....	55
4.4.2 ABB Product Information .....	56
4.4.3 Production, Revenue, Price and Gross Margin of Monitoring Relays .....	57
4.4.4 ABB Monitoring Relays Business Performance .....	57
4.5 Siemens.....	58
4.5.1 Siemens Profiles .....	58
4.5.2 Siemens Product Information .....	58
4.5.3 Production, Revenue, Price and Gross Margin of Monitoring Relays .....	59
4.5.4 Siemens Monitoring Relays Business Performance .....	59
4.6 Finder.....	60
4.6.1 Finder Profiles .....	60
4.6.2 Finder Product Information.....	61
4.6.3 Production, Revenue, Price and Gross Margin of Monitoring Relays .....	62
4.6.4 Finder Monitoring Relays Business Performance.....	62
4.7 Schneider Electric.....	63
4.7.1 Schneider Electric Profiles .....	63
4.7.2 Schneider Electric Product Information .....	64
4.7.3 Production, Revenue, Price and Gross Margin of Monitoring Relays .....	64
4.7.4 Schneider Electric Monitoring Relays Business Performance .....	65
4.8 PHOENIX CONTACT.....	66
4.8.1 PHOENIX CONTACT Profiles .....	66
4.8.2 PHOENIX CONTACT Product Information.....	66
4.8.3 Production, Revenue, Price and Gross Margin of Monitoring Relays .....	67

4.8.4 PHOENIX CONTACT Monitoring Relays Business Performance .....	68
4.9 Banner .....	68
4.9.1 Banner Profiles .....	68
4.9.2 Banner Product Information .....	69
4.9.3 Production, Revenue, Price and Gross Margin of Monitoring Relays .....	70
4.9.4 Banner Monitoring Relays Business Performance .....	70
4.10 Pilz .....	71
4.10.1 Pilz Profiles .....	71
4.10.2 Pilz Product Information .....	71
4.10.3 Production, Revenue, Price and Gross Margin of Monitoring Relays .....	72
4.10.4 Pilz Monitoring Relays Business Performance .....	72
4.11 Broyce Control .....	73
4.11.1 Broyce Control Profiles.....	73
4.11.2 Broyce Control Product Information.....	74
4.11.3 Production, Revenue, Price and Gross Margin of Monitoring Relays .....	74
4.11.4 Broyce Control Monitoring Relays Business Performance .....	75
4.12 APS.....	75
4.12.1 APS Profiles .....	75
4.12.2 APS Product Information.....	76
4.12.3 Production, Revenue, Price and Gross Margin of Monitoring Relays .....	77
4.12.4 APS Monitoring Relays Business Performance.....	77
4.13 ETI.....	78
4.13.1 ETI Profiles.....	78
4.13.2 ETI Product Information .....	79
4.13.3 Production, Revenue, Price and Gross Margin of Monitoring Relays .....	79
4.13.4 ETI Monitoring Relays Business Performance .....	80
4.14 Zhejiang Geya Electrical.....	81
4.14.1 Zhejiang Geya Electrical Profiles .....	81
4.14.2 Zhejiang Geya Electrical Product Information.....	82
4.14.3 Production, Revenue, Price and Gross Margin of Monitoring Relays .....	82
4.14.4 Zhejiang Geya Electrical Monitoring Relays Business Performance .....	83
<b>5 Competitive Landscape .....</b>	<b>84</b>
5.1 Global Monitoring Relays Production and Market Share of Manufacturers (2015-2020).....	84
5.2 Global Monitoring Relays Revenue and Market Share of Manufacturers (2015-2020).....	86
5.3 Global Monitoring Relays Price of Manufacturers (2015-2020) .....	88
5.4 Global Monitoring Relays Gross Margin of Manufacturers (2015-2020).....	89
5.5 Market Concentration.....	91
<b>6 Global Monitoring Relays Market Assessment by Regions.....</b>	<b>93</b>
6.1 Global Monitoring Relays Production and Market Share by Regions (2015-2020).....	93
6.2 Global Monitoring Relays Revenue Market Share by Regions (2015-2020).....	95
6.3 Global Monitoring Relays Price by Regions (2015-2020) .....	97
6.4 Global Monitoring Relays Gross Margin by Regions (2015-2020) .....	98
<b>7 Regional Analysis .....</b>	<b>99</b>
7.1 China Monitoring Relays Production, Revenue and Growth Rate (2015-2020) .....	99

7.2 USA Monitoring Relays Production, Revenue and Growth Rate (2015-2020).....	100
7.3 Europe Monitoring Relays Production, Revenue and Growth Rate (2015-2020).....	101
7.4 Japan Monitoring Relays Production, Revenue and Growth Rate (2015-2020).....	102
7.5 Korea Monitoring Relays Production, Revenue and Growth Rate (2015-2020).....	103
7.6 India Monitoring Relays Production, Revenue and Growth Rate (2015-2020).....	104
7.7 Southeast Asia Monitoring Relays Production, Revenue and Growth Rate (2015-2020).....	105
<b>8 Global Monitoring Relays Consumption Assessment.....</b>	<b>106</b>
8.1 Global Monitoring Relays Consumption and Market Share by Regions (2015-2020).....	106
8.2 Global Monitoring Relays Consumption Value and Market Share by Regions (2015-2020).....	107
8.3 Global Monitoring Relays Average Price by Regions (2015-2020).....	109
<b>9 Global Monitoring Relays Sales Assessment by Regions .....</b>	<b>110</b>
9.1 Global Monitoring Relays Sales and Sales Value (2015-2020).....	110
9.2 China Monitoring Relays Sales and Sales Value (2015-2020).....	111
9.3 USA Monitoring Relays Sales and Sales Value (2015-2020).....	112
9.4 Europe Monitoring Relays Sales and Sales Value (2015-2020).....	113
9.5 Japan Monitoring Relays Sales and Sales Value (2015-2020).....	114
9.6 Korea Monitoring Relays Sales and Sales Value (2015-2020).....	115
9.7 India Monitoring Relays Sales and Sales Value (2015-2020).....	116
9.8 Southeast Asia Monitoring Relays Sales and Sales Value (2015-2020).....	117
<b>10 Technology and Cost .....</b>	<b>118</b>
10.1 Technology.....	118
10.2 Cost.....	119
<b>11 Channel Analysis .....</b>	<b>120</b>
11.1 Market Channel .....	120
11.1.1 Direct Marketing .....	120
11.1.2 Indirect Marketing .....	122
11.1.3 Marketing Channel Development Trend.....	123
11.2 Distributors .....	125
<b>12 Market Forecast 2021-2026.....</b>	<b>126</b>
12.1 Production and Revenue Forecast (2021-2026).....	126
12.1.1 Global Monitoring Relays Production and Revenue by Regions (2021-2026).....	126
12.1.2 China Monitoring Relays Production, Revenue and Growth Rate (2021-2026).....	130
12.1.3 USA Monitoring Relays Production, Revenue and Growth Rate (2021-2026) .....	131
12.1.4 Europe Monitoring Relays Production, Revenue and Growth Rate (2021-2026).....	132
12.1.5 Japan Monitoring Relays Production, Revenue and Growth Rate (2021-2026).....	133
12.1.6 Korea Monitoring Relays Production, Revenue and Growth Rate (2021-2026).....	134
12.1.7 India Monitoring Relays Production, Revenue and Growth Rate (2021-2026) .....	135
12.1.8 Southeast Asia Monitoring Relays Production, Revenue and Growth Rate (2021-2026).....	136
12.2 Sales and Sales Value Forecast (2021-2026).....	137
12.2.1 Global Monitoring Relays Consumption and Consumption Value by Regions (2021-2026).....	137
12.2.2 Global Monitoring Relays Sales and Sales Value Forecast (2021-2026) .....	140
12.2.3 China Monitoring Relays Sales and Sales Value Forecast (2021-2026) .....	141
12.2.4 USA Monitoring Relays Sales and Sales Value Forecast (2021-2026).....	142
12.2.5 Europe Monitoring Relays Sales and Sales Value Forecast (2021-2026).....	143

12.2.6 Japan Monitoring Relays Sales and Sales Value Forecast (2021-2026) .....	144
12.2.7 Korea Monitoring Relays Sales and Sales Value Forecast (2021-2026).....	145
12.2.8 India Monitoring Relays Sales and Sales Value Forecast (2021-2026) .....	146
12.2.9 Southeast Asia Monitoring Relays Sales and Sales Value Forecast (2021-2026)	147
<b>12.3 Global Monitoring Relays Production and Revenue Forecast by Type (2021-2026) .....</b>	<b>148</b>
12.3.1 Overall Market Performance.....	148
12.3.2 Three Phase.....	149
12.3.3 Single Phase .....	150
<b>12.4 Global Monitoring Relays Sales Forecast by Application (2021-2026).....</b>	<b>151</b>
12.4.1 Overall Market Performance.....	151
12.4.2 Manufacturing.....	152
12.4.3 Transportation .....	152
12.4.4 Power Industry.....	153
12.4.5 Building .....	153
12.4.6 Other .....	154
<b>12.5 Global Monitoring Relays Price Forecast (2021-2026).....</b>	<b>154</b>
<b>13 Conclusion .....</b>	<b>155</b>

Market Research

## List of Tables and Figures

Figure Product Picture of Monitoring Relays .....	1
Table Manufacturers List in the Report.....	1
Table Manufacturers Production Market Share (%) (2019-2020).....	2
Table Production Market Share (%) by Regions in (2019-2020).....	2
Table Production Market Share (%) by Type in (2019-2020) .....	3
Figure Three Phase Product Picture .....	3
Figure Single Phase Product Picture .....	3
Table Production Market Share (%) by Application in (2019-2020).....	4
Figure Manufacturing Examples .....	4
Figure Transportation Examples.....	5
Figure Power Industry Examples .....	5
Figure Building Examples.....	6
Figure Industry Chain Structure of Monitoring Relays .....	6
Table Key Suppliers of Raw Material/Components .....	7
Table Representative Downstream Enterprises of Monitoring Relays.....	7
Figure % Share of the Global Economy .....	8
Figure Global Activity Indicators (Three-month moving average; year-over-year percent change, unless noted otherwise) .....	9
Figure Contribution to Global Imports (Percentage points, three-month moving average).....	10
Table Overview of the World Economic Outlook Projections .....	11
Figure Wages, Unit Labor Costs, and Labor Shares .....	13
Table Global Monitoring Relays Production (K Units) by Type.....	18
Figure Global Monitoring Relays Production Market Share (%) Comparison by Type in 2015 and 2020 .....	18
Table Production (K Units) and Growth Rate (2015-2020).....	19
Figure Production (K Units) and Growth Rate (2015-2020).....	19
Table Production (K Units) and Growth Rate (2015-2020).....	19
Figure Production (K Units) and Growth Rate (2015-2020) .....	20
Table Global Monitoring Relays Revenue (Million USD) by Type.....	20
Figure Global Monitoring Relays Revenue Market Share (%) Comparison by Type in 2015 and 2020 .....	21
Table Revenue (Million USD) and Growth Rate (2015-2020) .....	21
Figure Revenue (Million USD) and Growth Rate (2015-2020).....	22
Table Revenue (Million USD) and Growth Rate (2015-2020) .....	22
Table Revenue (Million USD) and Growth Rate (2015-2020) .....	22
Table China Monitoring Relays Production (K Units) by Type in (2015-2020) .....	23
Figure China Monitoring Relays Production Market Share (%) Comparison by Type in 2015 and 2020 .....	23
Table China Monitoring Relays Revenue (Million USD) by Type in (2015-2020).....	23
Figure China Monitoring Relays Revenue Market Share (%) Comparison by Type in 2015 and 2020 .....	24
Table USA Monitoring Relays Production (K Units) by Type in (2015-2020).....	24

Figure USA Monitoring Relays Production Market Share (%) Comparison by Type in 2015 and 2020 .....	25
Table USA Monitoring Relays Revenue (Million USD) by Type in (2015-2020) .....	25
Figure USA Monitoring Relays Revenue Market Share (%) Comparison by Type in 2015 and 2020 .....	25
Table Europe (2015-2020) Monitoring Relays Production (K Units) by Type in (2015-2020) .....	26
Figure Europe Monitoring Relays Production Market Share (%) Comparison by Type in 2015 and 2020 .....	26
Table Europe Monitoring Relays Revenue (Million USD) by Type in (2015-2020) .....	26
Figure Europe Monitoring Relays Revenue Market Share (%) Comparison by Type in 2015 and 2020 .....	27
Table Japan Monitoring Relays Production (K Units) by Type in (2015-2020) .....	27
Figure Japan Monitoring Relays Production Market Share (%) Comparison by Type in 2015 and 2020 .....	28
Table Japan Monitoring Relays Revenue (Million USD) by Type in (2015-2020) .....	28
Figure Japan Monitoring Relays Revenue Market Share (%) Comparison by Type in 2015 and 2020 .....	28
Table Korea Monitoring Relays Production (K Units) by Type in (2015-2020) .....	29
Figure Korea Monitoring Relays Production Market Share (%) Comparison by Type in 2015 and 2020 .....	29
Table Korea Monitoring Relays Revenue (Million USD) by Type in (2015-2020) .....	29
Figure Korea Monitoring Relays Revenue Market Share (%) Comparison by Type in 2015 and 2020 .....	30
Table India Monitoring Relays Production (K Units) by Type in (2015-2020) .....	30
Figure India Monitoring Relays Production Market Share (%) Comparison by Type in 2015 and 2020 .....	31
Table India Monitoring Relays Revenue (Million USD) by Type in (2015-2020) .....	31
Figure India Monitoring Relays Revenue Market Share (%) Comparison by Type in 2015 and 2020 .....	31
Table Southeast Asia Monitoring Relays Production (K Units) by Type in (2015-2020) .....	32
Figure Southeast Asia Monitoring Relays Production Market Share (%) Comparison by Type in 2015 and 2020 .....	32
Table Southeast Asia Monitoring Relays Revenue (Million USD) by Type in (2015-2020) .....	32
Figure Southeast Asia Monitoring Relays Revenue Market Share (%) Comparison by Type in 2015 and 2020 .....	33
Table Global Monitoring Relays Sales (K Units) by Application (2015-2020) .....	34
Figure Global Monitoring Relays Sales Market Share (%) Comparison by Application in 2015 and 2020 .....	34
Table Sales (K Units) and Growth Rate (2015-2020) .....	35
Figure Sales (K Units) and Growth Rate (2015-2020) .....	35
Table Sales (K Units) and Growth Rate (2015-2020) .....	35
Figure Sales (K Units) and Growth Rate (2015-2020) .....	36
Table Sales (K Units) and Growth Rate (2015-2020) .....	36
Figure Sales (K Units) and Growth Rate (2015-2020) .....	36

Table Sales (K Units) and Growth Rate (2015-2020) .....	37
Figure Sales (K Units) and Growth Rate (2015-2020) .....	37
Table ales (K Units) and Growth Rate (2015-2020) .....	37
Figure Sales (K Units) and Growth Rate (2015-2020) .....	38
Table China Monitoring Relays Sales (K Units) by Application in (2015-2020). ....	38
Figure China Monitoring Relays Sales Market Share (%) Comparison by Application in 2015 and 2020 .....	39
Table USA Monitoring Relays Sales (K Units) by Application in (2015-2020) .....	39
Figure USA Monitoring Relays Sales Market Share (%) Comparison by Application in 2015 and 2020 .....	40
Table Europe Monitoring Relays Sales (K Units) by Application in (2015-2020) .....	40
Figure Europe Monitoring Relays Sales Market Share (%) Comparison by Application in 2015 and 2020 .....	41
Table Japan Monitoring Relays Sales (K Units) by Application in (2015-2020) .....	41
Figure Japan Monitoring Relays Sales Market Share (%) Comparison by Application in 2015 and 2020 .....	42
Table Korea Monitoring Relays Sales (K Units) by Application in (2015-2020) .....	42
Figure Korea Monitoring Relays Sales Market Share (%) Comparison by Application in 2015 and 2020 .....	43
Table India Monitoring Relays Sales (K Units) by Application in (2015-2020).....	43
Figure India Monitoring Relays Sales Market Share (%) Comparison by Application in 2015 and 2020 .....	44
Table Southeast Asia Monitoring Relays Sales (K Units) by Application in (2015-2020) .....	44
Figure Southeast Asia Monitoring Relays Sales Market Share (%) Comparison by Application in 2015 and 2020 .....	45
Table Omron Profiles .....	46
Table Omron Product .....	47
Table Omron Monitoring Relays Production (Unit), Revenue (Million USD), Price (USD/Unit), Cost (USD/Unit) and Gross Margin (2015-2020) .....	48
Figure Omron Monitoring Relays Production and Growth Rate (2015-2020).....	48
Table Hongfa Group Profiles .....	49
Figure Hongfa Group Product.....	50
Table Hongfa Group Monitoring Relays Production (Unit), Revenue (Million USD), Price (USD/Unit), Cost and Gross Margin (2015-2020).....	50
Figure Hongfa Group Monitoring Relays Production and Growth Rate (2015-2020) .....	51
Table Eaton Profiles .....	52
Table Eaton Product .....	53
Table Eaton Monitoring Relays Production (Unit), Revenue (Million USD), Price (USD/Unit), Cost and Gross Margin (2015-2020).....	54
Figure Eaton Monitoring Relays Production and Growth Rate (2015-2020).....	55
Table ABB Profiles.....	55
Table ABB Product .....	56
Table ABB Monitoring Relays Production (Unit), Revenue (Million USD), Price (USD/Unit), Cost and Gross Margin (2015-2020).....	57

Figure ABB Monitoring Relays Production and Growth Rate (2015-2020) .....	57
Table Siemens Profiles.....	58
Table Siemens Product .....	58
Table Siemens Monitoring Relays Production (Unit), Revenue (Million USD), Price (USD/Unit), Cost and Gross Margin (2015-2020) .....	59
Figure Siemens Monitoring Relays Production and Growth Rate (2015-2020).....	59
Table Finder Profiles .....	60
Table Finder Product .....	61
Table Finder Monitoring Relays Production (Unit), Revenue (Million USD), Price (USD/Unit), Cost and Gross Margin (2015-2020) .....	62
Figure Finder Monitoring Relays Production and Growth Rate (2015-2020).....	62
Table Schneider Electric Profiles .....	63
Table Schneider Electric Product.....	64
Table Schneider Electric Monitoring Relays Production (Unit), Revenue (Million USD), Price (USD/Unit), Cost and Gross Margin (2015-2020) .....	64
Figure Schneider Electric Monitoring Relays Production and Growth Rate (2015-2020) .....	65
Table PHOENIX CONTACT Profiles.....	66
Table PHOENIX CONTACT Product .....	66
Table PHOENIX CONTACT Monitoring Relays Production (Unit), Revenue (Million USD), Price (USD/Unit), Cost and Gross Margin (2015-2020) .....	67
Figure PHOENIX CONTACT Monitoring Relays Production and Growth Rate (2015-2020) .....	68
Table Banner Profiles.....	68
Table Banner Product .....	69
Table Banner Monitoring Relays Production (Unit), Revenue (Million USD), Price (USD/Unit), Cost and Gross Margin (2015-2020) .....	70
Figure Banner Monitoring Relays Production and Growth Rate (2015-2020) .....	70
Table Pilz Profiles.....	71
Table Pilz Product .....	71
Table Pilz Monitoring Relays Production (Unit), Revenue (Million USD), Price (USD/Unit), Cost and Gross Margin (2015-2020).....	72
Figure Pilz Monitoring Relays Production and Growth Rate (2015-2020) .....	72
Table Broyce Control Profiles .....	73
Figure Broyce Control Product .....	74
Table Broyce Control Monitoring Relays Production (Unit), Revenue (Million USD), Price (USD/Unit), Cost and Gross Margin (2015-2020) .....	74
Figure Broyce Control Monitoring Relays Production and Growth Rate (2015-2020) .....	75
Table APS Profiles .....	75
Table APS Product .....	76
Table APS Monitoring Relays Production (Unit), Revenue (Million USD), Price (USD/Unit), Cost and Gross Margin (2015-2020).....	77
Figure APS Monitoring Relays Production and Growth Rate (2015-2020) .....	77
Table ETI Profiles .....	78
Figure ETI Product .....	79

Table ETI Monitoring Relays Production (Unit), Revenue (Million USD), Price (USD/Unit), Cost and Gross Margin (2015-2020).....	79
Figure ETI Monitoring Relays Production and Growth Rate (2015-2020) .....	80
Table Zhejiang Geya Electrical Profiles .....	81
Figure Zhejiang Geya Electrical Product .....	82
Table Zhejiang Geya Electrical Monitoring Relays Production (Unit), Revenue (Million USD), Price (USD/Unit), Cost and Gross Margin (2015-2020) .....	82
Figure Zhejiang Geya Electrical Monitoring Relays Production and Growth Rate (2015-2020)....	83
Table Global Monitoring Relays Production (K Units) of Manufacturers (2015-2020) .....	84
Table Global Monitoring Relays Production Market Share (%) of Manufacturers (2015-2020) ....	84
Figure Global Monitoring Relays Production Market Share (%) Comparison of Manufacturers in 2020 .....	85
Table Global Monitoring Relays Revenue (Million USD) of Manufacturers (2015-2020).....	86
Table Global Monitoring Relays Revenue Market Share (%) of Manufacturers (2015-2020) .....	86
Figure Global Monitoring Relays Revenue Market Share (%) Comparison of Manufacturers in 2020 .....	87
Table Global Monitoring Relays Price (USD/Unit) of Manufacturers (2015-2020) .....	88
Figure Global Monitoring Relays Price Comparison of Manufacturers in 2019 .....	89
Table Global Monitoring Relays Gross Margin of Manufacturers (2015-2020) .....	89
Figure Global Monitoring Relays Gross Margin of Manufacturers in 2020 .....	90
Figure Global Monitoring Relays Market Concentration (2015-2020) .....	91
Table Top 3 Production Market Share (%) (2015-2020).....	91
Table Top 5 Production Market Share (%) (2015-2020).....	91
Table Top 8 Production Market Share (%) (2015-2020).....	91
Table Global Monitoring Relays Production (K Units) by Regions (2015-2020) .....	93
Figure Global Monitoring Relays Production (K Units) and Growth Rate (2015-2020) .....	93
Table Global Monitoring Relays Production Market Share (%) by Regions (2015-2020) .....	94
Figure Global Monitoring Relays Production Market Share (%) Comparison by Regions in 2015 and 2020 .....	94
Table Global Monitoring Relays Revenue (Million USD) by Regions (2015-2020) .....	95
Figure Global Monitoring Relays Revenue (Million USD) and Growth Rate (2015-2020) .....	95
Table Global Monitoring Relays Revenue Market Share (%) by Regions (2015-2020).....	96
Figure Global Monitoring Relays Revenue Market Share (%) Comparison by Regions in 2015 and 2020 .....	96
Table Global Monitoring Relays Price (USD/Unit) by Regions (2015-2020) .....	97
Figure Global Monitoring Relays Average Price Comparison by Regions in 2019 .....	97
Table Global Monitoring Relays Gross Margin by Regions (2015-2020) .....	98
Figure Global Monitoring Relays Gross Margin Comparison by Regions in 2019 .....	98
Figure China Monitoring Relays Production (K Units) and Growth Rate (2015-2020) .....	99
Figure China Monitoring Relays Revenue (Million USD) and Growth Rate (2015-2020) .....	99
Figure USA Monitoring Relays Production (K Units) and Growth Rate (2015-2020).....	100
Figure USA Monitoring Relays Revenue (Million USD) and Growth Rate (2015-2020).....	100
Figure Europe Monitoring Relays Production (K Units) and Growth Rate (2015-2020).....	101
Figure Europe Monitoring Relays Revenue (Million USD) and Growth Rate (2015-2020) .....	101

Figure Japan Monitoring Relays Production (K Units) and Growth Rate (2015-2020) .....	102
Figure Japan Monitoring Relays Revenue (Million USD) and Growth Rate (2015-2020) .....	102
Figure Korea Monitoring Relays Production (K Units) and Growth Rate (2015-2020) .....	103
Figure Korea Monitoring Relays Revenue (Million USD) and Growth Rate (2015-2020) .....	103
Figure India Monitoring Relays Production (K Units) and Growth Rate (2015-2020) .....	104
Figure India Monitoring Relays Revenue (Million USD) and Growth Rate (2015-2020).....	104
Figure Southeast Asia Monitoring Relays Production (K Units) and Growth Rate (2015-2020)...105	
Figure Southeast Asia Monitoring Relays Revenue (Million USD) and Growth Rate (2015-2020)	
.....	105
Table Global Monitoring Relays Consumption by Regions (2015-2020) .....	106
Table Global Monitoring Relays Consumption Market Share (%) by Regions (2015-2020) .....	106
Figure Global Monitoring Relays Consumption Market Share (%) Comparison by Regions in 2015	
and 2020.....	107
Table Global Monitoring Relays Consumption Value (Million USD) by Regions (2015-2020).....107	
Table Global Monitoring Relays Consumption Value Market Share (%) by Regions (2015-2020)108	
Figure Global Monitoring Relays Consumption Value Market Share (%) Comparison by Regions in	
2015 and 2020 .....	108
Table Global Monitoring Relays Average Price (USD/Unit) by Regions (2015-2020) .....	109
Figure Global Monitoring Relays Average Price (USD/Unit) Comparison by Regions in 2019 ....109	
Figure Global Monitoring Relays Sales (K Units) and Growth Rate (2015-2020).....110	
Figure Global Monitoring Relays Sales Value (Million USD) and Growth Rate (2015-2020) .....	110
Figure China Monitoring Relays Sales (K Units) and Growth Rate (2015-2020) .....	111
Figure China Monitoring Relays Sales Value (Million USD) and Growth Rate (2015-2020) .....	111
Figure USA Monitoring Relays Sales (K Units) and Growth Rate (2015-2020) .....	112
Figure USA Monitoring Relays Sales Value (Million USD) and Growth Rate (2015-2020).....112	
Figure Europe Monitoring Relays Sales (K Units) and Growth Rate (2015-2020) .....	113
Figure Europe Monitoring Relays Sales Value (Million USD) and Growth Rate (2015-2020).....113	
Figure Japan Monitoring Relays Sales (K Units) and Growth Rate (2015-2020) .....	114
Figure Japan Monitoring Relays Sales Value (Million USD) and Growth Rate (2015-2020) .....	114
Figure Korea Monitoring Relays Sales (K Units) and Growth Rate (2015-2020).....115	
Figure Korea Monitoring Relays Sales Value (Million USD) and Growth Rate (2015-2020) .....	115
Figure India Monitoring Relays Sales (K Units) and Growth Rate (2015-2020) .....	116
Figure India Monitoring Relays Sales Value (Million USD) and Growth Rate (2015-2020) .....	116
Figure Southeast Asia Monitoring Relays Sales (K Units) and Growth Rate (2015-2020) .....	117
Figure Southeast Asia Monitoring Relays Sales Value (Million USD) and Growth Rate (2015-2020)	
.....	117
Table Manufacture Technology of Monitoring Relays .....	118
Figure Cost Structure of Monitoring Relays in 2019.....	119
Figure Marketing Channels of Monitoring Relays .....	120
11.1.3.1.1.1 Table Channels of Distribution for Electric Scooter.....	123
Table Distributors/Traders List .....	125
Table Global Monitoring Relays Production (K Units) by Regions (2021-2026) .....	126
Figure Global Monitoring Relays Production (K Units) and Growth Rate (2021-2026) .....	126
Table Global Monitoring Relays Production Market Share (%) by Regions (2021-2026) .....	127

Figure Global Monitoring Relays Production Market Share (%) Comparison by Regions in 2020 and 2025 .....	127
Table Global Monitoring Relays Revenue (Million USD) by Regions (2021-2026) .....	128
Figure Global Monitoring Relays Revenue (Million USD) and Growth Rate (2021-2026) .....	128
Table Global Monitoring Relays Revenue Market Share (%) by Regions (2021-2026).....	129
Figure Global Monitoring Relays Revenue Market Share (%) Comparison by Regions in 2020 and 2025 .....	129
Figure China Monitoring Relays Production (K Units) and Growth Rate (2021-2026) .....	130
Figure China Monitoring Relays Revenue (Million USD) and Growth Rate (2021-2026) .....	130
Figure USA Monitoring Relays Production (K Units) and Growth Rate (2021-2026).....	131
Figure USA Monitoring Relays Revenue (Million USD) and Growth Rate (2021-2026).....	131
Figure Europe Monitoring Relays Production (K Units) and Growth Rate (2021-2026).....	132
Figure Europe Monitoring Relays Revenue (Million USD) and Growth Rate (2021-2026) .....	132
Figure Japan Monitoring Relays Production (K Units) and Growth Rate (2021-2026) .....	133
Figure Japan Monitoring Relays Revenue (Million USD) and Growth Rate (2021-2026) .....	133
Figure Korea Monitoring Relays Production (K Units) and Growth Rate (2021-2026) .....	134
Figure Korea Monitoring Relays Revenue (Million USD) and Growth Rate (2021-2026) .....	134
Figure India Monitoring Relays Production (K Units) and Growth Rate (2021-2026) .....	135
Figure India Monitoring Relays Revenue (Million USD) and Growth Rate (2021-2026).....	135
Figure Southeast Asia Monitoring Relays Production (K Units) and Growth Rate (2021-2026)...	136
Figure Southeast Asia Monitoring Relays Revenue (Million USD) and Growth Rate (2021-2026)	136
Table Global Monitoring Relays Consumption by Regions (2021-2026) .....	137
Table Global Monitoring Relays Consumption Market Share (%) by Regions (2021-2026) .....	137
Figure Global Monitoring Relays Consumption Market Share (%) Comparison by Regions in 2020 and 2025 .....	138
Table Global Monitoring Relays Consumption Value by Regions (2021-2026) .....	138
Table Global Monitoring Relays Consumption Value Market Share (%) by Regions (2021-2026)138	138
Figure Global Monitoring Relays Consumption Value Market Share (%) Comparison by Regions in 2021-2026.....	139
Figure Global Monitoring Relays Sales and Growth Rate (2021-2026) .....	140
Figure Global Monitoring Relays Sales Value and Growth Rate (2021-2026) .....	140
Figure China Monitoring Relays Sales and Growth Rate (2021-2026).....	141
Figure China Monitoring Relays Sales Value and Growth Rate (2021-2026).....	141
Figure USA Monitoring Relays Sales and Growth Rate (2021-2026).....	142
Figure USA Monitoring Relays Sales Value and Growth Rate (2021-2026).....	142
Figure Europe Monitoring Relays Sales and Growth Rate (2021-2026) .....	143
Figure Europe Monitoring Relays Sales Value and Growth Rate (2021-2026) .....	143
Figure Japan Monitoring Relays Sales and Growth Rate (2021-2026) .....	144
Figure Japan Monitoring Relays Sales Value and Growth Rate (2021-2026) .....	144
Figure Korea Monitoring Relays Sales and Growth Rate (2021-2026) .....	145
Figure Korea Monitoring Relays Sales Value and Growth Rate (2021-2026) .....	145
Figure India Monitoring Relays Sales and Growth Rate (2021-2026).....	146
Figure India Monitoring Relays Sales Value and Growth Rate (2021-2026).....	146

Figure Southeast Asia Monitoring Relays Sales and Growth Rate (2021-2026) .....	147
Figure Southeast Asia Monitoring Relays Sales Value and Growth Rate (2021-2026) .....	147
Table Global Monitoring Relays Production (K Units) by Type (2021-2026) .....	148
Figure Global Monitoring Relays Production Market Share (%) Comparison by Type in 2021 and 2026 .....	148
Figure Production (K Units) and Growth Rate (2021-2026) .....	149
Figure Revenue (Million USD) and Growth Rate (2021-2026).....	149
Figure Production (K Units) and Growth Rate (2021-2026) .....	150
Figure Revenue (Million USD) and Growth Rate (2021-2026).....	150
Table Global Monitoring Relays Sales by Application (2021-2026).....	151
Figure Global Monitoring Relays Sales Market Share (%) Comparison by Application in 2021 and 2026 .....	151
Figure Monitoring Relays Sales and Growth Rate (2021-2026).....	152
Figure Monitoring Relays Sales and Growth Rate (2021-2026).....	152
Figure Monitoring Relays Sales and Growth Rate (2021-2026).....	153
Figure Monitoring Relays Sales and Growth Rate (2021-2026).....	153
Figure Monitoring Relays Sales and Growth Rate (2021-2026).....	154
Figure Global Monitoring Relays Average Price (USD/Unit) Forecast (2021-2026).....	154

**Market Research**