

U.S. Census Bureau
Control Instruments - 2010
MA334C(10)
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Address inquiries concerning these data to Consumer Goods Industries Branch, U.S. Department of Commerce, Census Bureau, Manufacturing and Construction Division, Washington, DC 20233-6900, or call Ryan Deng, 301-763-7697.

Table 1. Value of Shipments of Control Instruments: 2010 to 2006
 [Millions of dollars]

Product class code	Product description	Year		Value
3345120	Controls for monitoring residential and commercial environments	2010	b/	1,718.9
		2009	b/	1,557.3
		2008	a/	2,085.4
		2007	a/	2,159.5
		2006		2,054.2
3345130	Process control instruments	2010	b/	7,441.1
		2009	a/	6,677.2
		2008	a/	7,590.0
		2007	a/	7,387.4
		2006		7,279.4
3353131	Power circuit breakers	2010		685.3
		2009		696.6
		2008	c/	729.7
		2007	b/	579.9
		2006		576.2
3353133	Low voltage panelboards, distribution boards, and other switching and interrupting devices	2010	a/	2,346.7
		2009	a/	2,292.6
		2008	a/	2,792.0
		2007	a/	2,776.0
		2006		2,550.4
3353135	Fuses and fuse equipment	2010		(D)
		2009		(D)
		2008		311.7
		2007		371.9
		2006		364.5
3353137	Molded case circuit breakers	2010	b/	984.4
		2009	r/	779.0
		2008	a/	1,201.7
		2007	b/	1,192.9
		2006		1,142.6
3353139	Ducts, 1,000 volts and under	2010	a/	243.3
		2009	r/	273.1
		2008		436.5
		2007		402.8
		2006		304.5
335313A	Switchgear (except ducts)	2010	b/	3,254.6
		2009	b/r/	3,317.5
		2008	b/	3,753.2
		2007	a/	3,226.4
		2006		2,944.7

3353141	Relays, general purpose	2010	b/	515.0
		2009	b/r/	507.5
		2008	a/	573.6
		2007	b/	563.7
		2006		617.7
3353143	Specific purpose industrial controls	2010	b/	2,630.4
		2009	c/	2,657.4
		2008	c/	3,174.1
		2007	c/	3,057.2
		2006		2,895.7
3353146	General purpose industrial controls	2010	c/	3,185.2
		2009	c/	2,963.1
		2008	a/	3,635.3
		2007	b/	3,765.2
		2006		3,626.6
3353147	Motor controller accessories and parts for industrial controls	2010	b/	275.2
		2009	c/	241.9
		2008	b/	303.6
		2007	b/	292.3
		2006		358.3

Table 2. Shipments of Control Instruments: 2010 and 2009
 [Quantity in thousands of units. Value in thousands of dollars]

Product code	Product description	Year	Companies	Quantity		Value
3345120	Controls for monitoring residential and commercial environments	2010	(X)	(X)	b/	1,718,943
		2009		(X)	b/	1,557,298
3345120102	Temperature responsive (thermostats)	2010	39	b/	20,554	(S)
		2009		b/r/	19,960	(S)
3345120115	Igniters	2010	6	(D)		(D)
		2009		(D)		(D)
3345120221	Computerized energy control systems for buildings 1/	2010	18		2,528,699	c/
		2009		a/	2,202,316	b/
3345120224	Other automatic controls	2010	52	(X)		a/
		2009		(X)		b/
3345120225	Temperature responsive control for major appliances	2010	14		66,130	
		2009			54,731	
3345120227	All other controls for appliances	2010	14	(D)		(D)
		2009		(D)		(D)
3345120229	Parts and components for controls monitoring residential and commercial environments	2010	30	(X)		a/
		2009		(X)		
3345130	Process control instruments	2010	(X)	(X)	b/	7,441,072
		2009		(X)	a/	6,677,222
3345130101	Controllers (recording, indicating, or blind)1/	2010	31	(S)		(S)
		2009			455,293	
3345130106	Other unified electronic systems1/	2010	19	(D)		(D)
		2009		(D)		(D)
3345130107	Auxiliary stations and analog computing devices associated with the above, including manual loaders, auto-to-manual stations, ratio stations, adders, multi-pliers, integrators, etc.	2010	7	(D)		(D)
		2009		(D)		(D)
3345130109	Electronic systems, nonunified architecture type	2010	28	(X)		828,874
		2009		(X)		874,047
3345130111	Industrial multifunction process computers	2010	33	(X)	b/	235,423
		2009		(X)	a/	174,456
3345130127	Pneumatic systems and annunciators	2010	21	(X)	c/	70,372

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Product code	Product description	Year	Companies	Quantity		Value
		2009		(X)	c/	57,883
334513022G	Other industrial type instruments	2010	66	(X)	b/	850,313
		2009		(X)	b/	746,075
334513021F	Continuous process instruments	2010	70	(X)		576,358
		2009		(X)	r/	556,149
334513021V	Instruments for all process variables not listed above	2010	29	(X)	b/	201,157
		2009		(X)		163,367
334513032S	Parts for process control instruments	2010	63	(X)	a/	345,154
		2009		(X)	a/r/	293,710
3345130240	Temperature measuring instruments, electrical and electronic measuring types	2010	66	(X)	a/	284,184
		2009		(X)		242,614
3345130248	Other temperature measuring instruments	2010	32	(X)	b/	155,922
		2009		(X)	b/	134,631
3345130249	Thermocouples and thermocouple lead wire	2010	41	(X)	a/	233,748
		2009		(X)		185,813
3345130251	All other types (resistance temperature detectors, radiation and optical sensors, thermistors, etc.)	2010	41	(X)	a/	174,445
		2009		(X)		135,250
3345130264	Pressure and draft measuring instruments	2010	52	(X)	a/	660,218
		2009		(X)	a/	528,189
3345130290	Flow and liquid level measuring instruments, differential pressure types	2010	88	(X)	b/	1,855,800
		2009		(X)	a/	1,660,492
3345130293	Humidity instruments (controlling, recording, indicating and transmitting, and associated primary humidity elements, excluding home and general purpose type) 1/	2010	11	(D)		(D)
		2009		(D)		(D)
3353131	Power circuit breakers	2010	(X)	(X)		685,275
		2009		(X)		696,641
3353131101	Power circuit breakers (sold separately) for use in metal clad switchgear, oil and oilless, over 1,000 volts, (number of breakers) 1/	2010	11	(D)		(D)
		2009		(D)		(D)
3353131103	All other power circuit breakers (sold separately)	2010	28	(D)		(D)

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Product code	Product description	Year	Companies	Quantity		Value
		2009		311	a/	448,408
3353131129	Parts for all power circuit breakers	2010	15	(X)	a/	46,922
		2009		(X)		(D)
3353133	Low voltage panelboards, distribution boards, and other switching and interrupting devices, 1,000 volts and below	2010	(X)	(X)	a/	2,346,700
		2009		(X)	a/	2,292,577
3353133104	Circuit breaker panelboards	2010	54	5,091	a/	821,494
		2009		4,254		839,373
3353133201	Fusible panelboards, including combination switch fuse	2010	36	(D)		(D)
		2009		(D)		(D)
3353133207	Distribution switchboards, fusible 1/	2010	23	27,348	a/	42,016
		2009	a/r/	16,495	a/r/	49,317
3353133211	Distribution switchboards, circuit breaker 1/	2010	36	(S)	b/	573,005
		2009	r/	261,603	r/	506,454
3353133216	Knife switches, heavy duty 1/	2010	8	(D)		(D)
		2009		(D)		(D)
3353133225	Knife switches, circuit breaker type	2010	6	(D)		(D)
		2009		(D)		(D)
3353133227	Knife switches, other 1/	2010	6	c/	1,032,792	106,846
		2009		(S)		(S)
3353133233	Other switches	2010	31	(X)	b/	229,327
		2009		(X)	c/	234,471
3353133237	Other low voltage switchgear apparatus	2010	27	(X)	a/	152,651
		2009		(X)	a/r/	164,026
3353135	Fuses and fuse equipment, under 2,300 volts (except power distribution cutouts)	2010	(X)	(X)		(D)
		2009		(X)		(D)
3353135109	Nonrenewable plug and cartridge fuses	2010	12	(X)		(D)
		2009		(X)		(D)
3353135113	Other fuses and open fuse material, including renewable, cutouts, clips, bases, etc.	2010	11	(X)		(D)
		2009		(X)		18,404

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 [Quantity in thousands of units. Value in thousands of dollars]

Product code	Product description	Year	Companies	Quantity		Value
3353137	Molded case circuit breakers, 1,000 volts and under	2010	(X)	(X)	b/	984,353
		2009		(X)	r/	779,019
3353137105	Molded case circuit breakers, industrial type	2010	28	(X)	c/	640,037
		2009		(X)		464,779
3353137112	Molded case circuit breakers, residential or light duty type	2010	9	(X)		(D)
		2009		(X)		(D)
3353137117	Molded case circuit breakers, marine, navy, aircraft and aerospace type	2010	7	(D)		(D)
		2009		(D)		(D)
3353137131	Molded case circuit breakers, all other types, including automotive and electronic	2010	12	b/	82,690	c/
		2009		b/	62,400	b/
3353139	Ducts, including plug-in units and accessories, 1,000 volts and under, consisting of enclosed sectionalized pre-fabricated bus bars rated 20 amperes or more and associated structures and fittings	2010	(X)	(S)	a/	243,299
		2009		2,466	r/	273,081
3353139100	Ducts, including plug-in units and accessories, 1,000 volts and under, consisting of enclosed sectionalized pre-fabricated bus bars rated 20 amperes or more and associated structures and fittings	2010	15	(S)	a/	243,299
		2009		2,466	r/	273,081
335313A	Switchgear (except ducts)	2010	(X)	(X)	b/	3,254,563
		2009		(X)	b/t/	3,317,491
335313A101	Automatic and manual control panels (generators, transformers, feed-controls, etc.)	2010	57	(X)		304,851
		2009		(X)		336,621
335313A204	Metal clad switchgear (using power circuit breakers, oil and oilless), all voltages above 1,000 volts, up to and including 38kV, excluding load interrupter switchgear	2010	25	(X)	c/	679,195
		2009		(X)	c/t/	806,048
335313A307	Metal enclosed load interrupter switchgear assemblies, all voltages, including parts	2010	26	(X)	c/	331,206
		2009		(X)	c/t/	362,549
335313A311	Metal enclosed low voltage power circuit breaker switchgear assemblies 1,000 volts and below, including parts and excluding load interrupter switchgear	2010	23	(X)	c/	544,303
		2009		(X)	b/t/	541,114
335313A313	Metal enclosed bus bars when sold separately, above 1,000 volts, including isolated, segregated, nonsegregated and cable bus bars	2010	8	(D)		(D)
		2009		(X)	c/t/	58,747
335313A321	Power switching equipment, indoor and outdoor, excluding structures	2010	27	(X)		634,115
		2009		(X)		609,995

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Product code	Product description	Year	Companies	Quantity	Value
335313A332	Power and ground connectors, overhead transmission and distribution, all types	2010	7	(X)	(D)
		2009		(X)	(D)
335313A335	Power fuses, fuse links, and distribution cutouts	2010	9	(X)	373,406
		2009		(X)	(D)
335313A337	Other switchgear devices, including regulators and miscellaneous switchboard devices (for sale separately)	2010	23	(X)	a/ 265,113
		2009		(X)	a/ 227,978
3353141	General purpose and other relays	2010	(X)	(X)	b/ 514,984
		2009		(X)	b/r/ 507,545
3353141101	Industrial control relays (all voltages), n.e.c.	2010	47	a/ 6,071	a/ 173,449
		2009		a/r/ 6,251	a/r/ 187,866
3353141112	General purpose relays, over 100 MV and sealed	2010	9	(X)	(D)
		2009		(X)	(D)
3353141117	General purpose relays, over 100 MV and NOT sealed	2010	13	(D)	(D)
		2009		(D)	(D)
3353141153	High performance military/aerospace/aircraft relays and contactors (generally pertaining to Mil-\$5757, 6106, 19523, 25108, and 39016)	2010	7	(X)	c/ 107,491
		2009		(X)	b/ 134,380
3353141180	Timing relays (timers)	2010	33	b/ 523	b/ 21,980
		2009		c/ 509	b/r/ 23,752

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Product code	Product description	Year	Companies	Quantity		Value	
3353141183	All other general purpose and special purpose relays, including parts	2010	42	(X)	b/	183,756	
		2009		(X)		a/	136,695
3353143	Specific purpose industrial controls and power circuit devices	2010	(X)	(X)	b/	2,630,422	
		2009		(X)		c/	2,657,387
3353143301	U.S. Coast Guard, Navy, and Marine auxiliary controls and accessories 1/	2010	15	a/	86,435	187,246	
		2009		b/r/		141,748	179,621
3353143307	Crane and hoist controls, constant and adjustable voltage, including operators' desks and stations 1/	2010	10		25,711	94,724	
		2009		r/		19,330	r/
3353143311	Definite purpose contactors and starters (600 volts and less)	2010	17	(D)		(D)	
		2009		(D)		(D)	
3353143317	Stand alone motion controllers, computer numerical controls (CNC)	2010	15	(X)		(S)	
		2009		(X)		(S)	
3353143323	Other stand alone motion controls (include robotic controls)	2010	21	(X)	a/	71,478	
		2009		(X)		(S)	
3353143328	Programmable controllers, sold separately	2010	42	(D)		(D)	
		2009		(D)		(D)	
3353143333	Other specific or special purpose a.c. and d.c. controllers, other definite purpose devices	2010	91	(X)	a/	1,245,877	
		2009		(X)		b/r/	1,359,875
3353146	General purpose industrial controls and power circuit devices	2010	(X)	(X)	c/	3,185,197	
		2009		(X)		c/	2,963,125
3353146101	A.c. full voltage noncombination magnetic starters, 1,000 volts or less	2010	24	(S)		(S)	
		2009		(S)		(S)	
3353146109	A.c. full voltage combination magnetic starters, 1,000 volts or less 1/	2010	17	(S)		(S)	
		2009		(S)		(S)	
3353146111	Disconnect switches, 600 volts or less	2010	29	b/	1,895	c/	71,771
		2009		b/		1,623	c/
3353146117	A.c. full voltage manual controllers, 1,000 volts or less	2010	11	(X)		39,161	
		2009		(X)		32,266	

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Product code	Product description	Year	Companies	Quantity		Value
3353146123	A.c. contactors, 1,000 volts or less, excluding controls for packaged adjustable speed drives and synchronous motor controls	2010	16	(X)	b/	23,407
		2009		(X)	b/	24,218
3353146131	Motor control centers, 1,000 volts or less	2010	29	(X)	c/	263,606
		2009		(X)		275,812
3353146137	Brakes and clutches	2010	18	(X)	a/	135,276
		2009		(X)	a/	106,231
3353146142	Other general purpose controls	2010	29	(X)	b/	143,206
		2009		(X)	b/r/	115,360
3353146143	Electromechanical positioning sensors	2010	11	(X)		(S)
		2009		(X)		(S)
3353146146	Movement sensors	2010	19	(X)	b/	133,469
		2009		(X)	r/	119,979
3353146149	Nonoptical proximity sensors	2010	19	(X)	c/	63,982
		2009		(X)	c/	72,225
3353146152	Optical proximity sensors	2010	16	(X)	c/	213,333
		2009		(X)	a/	181,749
3353146169	Pushbuttons, under 30mm	2010	20	(X)		(D)
		2009		(X)		(D)
3353146171	Pushbuttons, 30 mm and larger	2010	24	(X)		26,426
		2009		(X)		21,221
3353146176	Controls for a.c. packaged drives 1/	2010	28	(S)	c/	580,305
		2009		(S)	c/	479,152
3353146179	Controls for d.c. packaged drives 1/	2010	17	b/	131,652	(S)
		2009		b/	113,396	(S)
3353146182	A.c. drives systems 1/	2010	32	(S)		(S)
		2009		c/	20,452	c/
3353146185	D.c. drives systems 1/	2010	14	(D)		(D)
		2009		(D)		(D)

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Product code	Product description	Year	Companies	Quantity		Value
3353146188	Solid state motor controllers (all voltages) 1/	2010	34	(S)		(S)
		2009		(S)	c/	171,248
3353146192	All other general industry devices	2010	81	(X)	b/	687,276
		2009		(X)	b/	761,356
3353147	Motor controller accessories and parts for industrial controls	2010	(X)	(X)	b/	275,228
		2009		(X)	c/	241,865
3353147102	Motor controller accessories	2010	34	(X)	b/	122,821
		2009		(X)	b/	93,433
3353147104	Parts for industrial controls	2010	64	(X)	b/	152,407
		2009		(X)	c/	148,432

Footnote:

1/ The quantity for this product code is in actual number of units.

Table 3. Shipments, Exports, and Imports of Control Instruments: 2010 and 2009
 [Quantity in thousands of units. Value in thousands of dollars]

Product code 1/	Product description	Year	Manufacturers' shipments quantity		Manufacturers' shipments (value f.o.b. plant)	Exports of domestic merchandise 2/		Imports for consumption 3/	
						Quantity	Value at port	Quantity	Value at port
334512000T	Temperature responsive automatic controls (thermostats)	2010	86,684	c/	377,582	19,801	92,398	139,567	625,516
		2009 r/	74,691	c/	351,533	18,540	90,332	103,878	484,265
334512200T	Pressure responsive automatic, hydraulic automatic, pneumatic automatic, and automatic control, n.e.c.	2010	(X)	b/	1,231,328	198	926,793	3,417	1,633,914
		2009	(X)	b/	1,068,622	192	842,949	2,996	1,132,246
3345120229	Parts and components for automatic controls, sold separately	2010	(X)	a/	110,033	(NA)	484,855	(NA)	451,395
		2009	(X)		137,143	(NA)	444,019	(NA)	363,487
3345130	Process control instruments	2010	(X)	b/	7,441,072	1,611	953,048	14,285	850,028
		2009	(X)	a/	6,677,222	1,301	803,384	11,745	639,049
335313100T	Power circuit breakers	2010	500		638,353	52	60,519	706	66,783
		2009	(D)		(D)	50	64,770	274	81,906
3353131129	Parts for power circuit breakers	2010	(X)	a/	46,922	3,101	263,891	17,245	157,910
		2009	(X)		(D)	2,473	234,683	15,374	131,361
335313200T	Low voltage panelboards and distribution boards	2010	(D)		(D)	(NA)	(NA)	(NA)	182,669
		2009	(D)		(D)	(NA)	(NA)	(NA)	175,943
335313300T	Knife switches	2010	(D)		(D)	851	247,556	8,358	582,064
		2009	(D)		(D)	660	232,941	6,234	552,777
3353133237	Other low voltage switchgear apparatus	2010	(X)	a/	152,651	302	22,131	839	19,818
		2009	(X)	a/r/	164,026	249	18,674	984	14,151
335313500T	Fuses and fuse equipment, under 2,300 volts	2010	(X)		(D)	308,428	80,549	2,964,869	251,468
		2009	(X)		(D)	364,928	77,459	1,846,198	175,231
335313700T	Molded case circuit breakers, 1,000 volts to 2,300 volts	2010	(X)	b/	984,353	27,752	266,972	104,597	546,719
		2009	(X)	r/	779,019	33,878	327,509	82,749	394,258
3353139100	Duct, including plug in units and accessories	2010	(S)	a/	243,299	(NA)	34,444	(NA)	(NA)
		2009	2,466	r/	273,081	(NA)	37,640	(NA)	(NA)
335313A00T	Switchgear and switchgear assemblies 4/	2010	(X)		(D)	10,752	118,939	(NA)	(NA)
		2009	(X)	b/r/	2,943,052	10,482	89,413	(NA)	(NA)
335313A332	Power and ground connectors and transmission and distribution connectors, all types	2010	(X)		(D)	18,520	111,562	133,373	109,430
		2009	(X)		(D)	18,064	88,705	102,784	107,882
335313A335	Power fuses, fuse links, and distribution cutouts	2010	(X)		373,406	26	25,456	5,942	86,023
		2009	(X)		(D)	27	20,945	4,720	60,452

335314100T	Relays	2010	(X)	b/	514,984	70,435	479,080	641,567	863,807
		2009	(X)	b/r/	507,545	54,962	432,534	386,462	580,638
3353143328	Programmable controllers	2010	(D)		(D)	180	426,171	10,638	863,750
		2009	(D)		(D)	154	437,899	8,847	606,089
3353146131	Motor control centers, 1,000 volts or less	2010	(X)	c/	263,606	145	163,885	1,908	169,708
		2009	(X)		275,812	103	148,865	1,359	180,336
3353146137	Brakes and clutches	2010	(X)	a/	135,276	(NA)	50,251	(NA)	80,349
		2009	(X)	a/	106,231	(NA)	42,978	(NA)	52,442
335314600T	Limit switches	2010	(X)	c/	173,966	864	25,540	(NA)	(NA)
		2009	(X)	b/r/	158,818	566	17,745	(NA)	(NA)

Table 4. Comparison of combined North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Import Codes: 2010

Combined code	Product code	Product description	Export code 1/	Import code 2/
334512000T	3345120102	Temperature responsive automatic controls (thermostats)	9032.10.0000	9032.10.0030
	3345120225			9032.10.0060 9032.10.0090
334512200T	3345120115	Pressure responsive automatic, hydraulic automatic, pneumatic automatic, and automatic controls	9032.20.0000	9032.20.0000
	3345120221		9032.81.0080	9032.81.0080
	3345120224		9032.89.6020	9032.89.6015
	3345120227		9032.89.6085	9032.89.6025 9032.89.6085
3345120229	3345120229	Parts and components for automatic controls, sold separately	9032.90.0000	9032.90.2000
				9032.90.4000
				9032.90.6020
				9032.90.6040
				9032.90.6060 9032.90.6080
3345130	3345130	Process control instruments	9032.81.0040	9032.81.0020
			9032.81.0080	9032.81.0060
			9032.89.6030	9032.89.6030
			9032.89.6040	9032.89.6040
			9032.89.6050	9032.89.6050
			9032.89.6060	9032.89.6060
			9032.89.6070 9032.89.6075	9032.89.6070 9032.89.6075
335313100T	3353131101	Power circuit breakers	8535.21.0000	8535.21.0000
	3353131103		8535.29.0020	8535.29.0020
3353131129	3353131129	Parts for power circuit breakers	8535.29.0040	8535.29.0040
			8536.20.0040	8536.20.0040

335313200T	3353133104 3353133201 3353133207 3353133211	Low voltage panelboards and distribution boards	8538.90.8020	8538.90.8020
335313300T	3353133216 3353133225 3353133227	Knife switches	8537.10.9050	8537.10.9050
3353133237	3353133237	Other low voltage switchgear apparatus	8536.50.9045	8536.50.9045
335313500T	3353135109 3353135113	Fuses and fuse equipment, under 2,300 volts	8535.10.0040 8536.10.0020 8536.10.0040	8535.10.0040 8536.10.0020 8536.10.0040
335313700T	3353137105 3353137112 3353137117 3353137131	Molded case circuit breakers, 1,000 volts to 2,300 volts	8536.20.0020	8536.20.0020
3353139100	3353139100	Duct, including plug in units and accessories	8536.90.8010	8536.90.8010
335313A00T	335313A101 335313A204 335313A307 335313A311 335313A313 335313A321 335313A337	Switchgear and switchgear assemblies	8537.20.0020	8537.20.0020
335313A332	335313A332	Power and ground connectors and transmission and distribution connectors	8535.90.8040	8535.90.8040
335313A335	335313A335	Power fuses, fuse links, and distribution cutouts	8535.10.0020	8535.10.0020
335314100T	3353141101 3353141112 3353141117	Relays	8536.41.0005 8536.41.0020 8536.41.0030	8536.41.0005 8536.41.0020 8536.41.0030

	3353141153			8536.41.0045	8536.41.0045
	3353141180			8536.41.0050	8536.41.0050
	3353141183			8536.41.0060	8536.41.0060
				8536.49.0050	8536.49.0050
				8536.49.0055	8536.49.0055
				8536.49.0065	8536.49.0065
				8536.49.0075	8536.49.0075
				8536.49.0080	8536.49.0080
3353143328	3353143328	Programmable controllers		8537.10.9060	8537.10.9060
3353146131	3353146131	Motor control centers, 1,000 volts or less		8537.10.6000	8537.10.6000
3353146137	3353146137	Brakes and clutches		8505.20.0000	8505.20.0000
335314600T	3353146143	Limit switches		8536.50.9055	8536.50.9055
	3353146146				

Footnotes:

1/ Source: 2010 edition, Harmonized System-based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

2/ Source: Harmonized Tariff Schedule of the United States, Annotated (2010).

Symbols:

- (D) - Withheld to avoid disclosing data of individual companies.
- (X) - Not collected.
- (N/A) - Not applicable.
- r/ - Revised by 5 percent or more from previously published data.
- (pt.) Part.
- Represents zero.

Estimation symbols - Percent of estimation for each item is indicated as follows:

- a/ - 10 to 19 percent of this item has been estimated.
- b/ - 20 to 29 percent of this item has been estimated.
- c/ - 30 to 49 percent of this item has been estimated.
- (S) - Withheld because estimates did not meet publication standards

HISTORICAL NOTE

The Census Bureau has collected data on switchgear, switchboard apparatus, relays, and industrial controls since 1971 on survey MA335A.

MA334B.

Controls, and a portion of MA334B, Selected Instruments and Related Products, will be published under the new survey MA334C, Control Instruments. Additional data for MA334B can be found on surveys MA334A, Analytical and Biomedical Instruments, MA334D, Defense, Navigational and Aerospace Electronics, and MA334T, Meters and Test Devices.

Historical Current Industrial Reports data may be obtained from a Federal Depository Library. To locate a Federal Depository Library in your area, please visit <http://www.gpoaccess.gov/libraries.html>.