



Compact Home SH200 miniature circuit breakers are current limiting. They have two different tripping mechanisms, the delayed thermal tripping for overload and the electromechanic tripping for short circuit protection; Confirming to IEC/EN 60898-1

## MINIATURE CIRCUIT BREAKER (MCB)

### 1P ISC = 6KA



SL	PART NUMBER	ITEM DESCRIPTION	PRICE
1	SH 201 - C06	6A, 1P, 6KA, MCB, (C-Curve)	650.00
2	SH 201 - C10	10A, 1P, 6KA, MCB, (C-Curve)	650.00
3	SH 201 - C16	16A, 1P, 6KA, MCB, (C-Curve)	650.00
4	SH 201 - C20	20A, 1P, 6KA, MCB, (C-Curve)	650.00
5	SH 201 - C25	25A, 1P, 6KA, MCB, (C-Curve)	650.00
6	SH 201 - C32	32A, 1P, 6KA, MCB, (C-Curve)	650.00
7	SH 201 - C40	40A, 1P, 6KA, MCB, (C-Curve)	650.00
8	S 201 - C50	50A, 1P, 6KA, MCB, (C-Curve)	1,850.00
9	S 201 - C63	63A, 1P, 6KA, MCB, (C-Curve)	1,850.00

### 2P ISC = 6KA



SL	PART NUMBER	ITEM DESCRIPTION	PRICE
10	SH 202 - C6	6A, 2P, 6KA, MCB, (C-Curve)	1,650.00
11	SH 202 - C10	10A, 2P, 6KA, MCB, (C-Curve)	1,650.00
12	SH 202 - C16	16A, 2P, 6KA, MCB, (C-Curve)	1,650.00
13	SH 202 - C20	20A, 2P, 6KA, MCB, (C-Curve)	1,650.00
14	SH 202 - C25	25A, 2P, 6KA, MCB, (C-Curve)	1,650.00
15	SH 202 - C32	32A, 2P, 6KA, MCB, (C-Curve)	1,650.00
16	SH 202 - C40	40A, 2P, 6KA, MCB, (C-Curve)	1,650.00
17	S 202 - C50	50A, 2P, 6KA, MCB, (C-Curve)	3,800.00
18	S 202 - C63	63A, 2P, 6KA, MCB, (C-Curve)	3,800.00

### 3P ISC = 6KA



SL	PART NUMBER	ITEM DESCRIPTION	PRICE
19	SH 203 - C6	6A, 3P, 6KA, MCB, (C-Curve)	3,000.00
20	SH 203 - C10	10A, 3P, 6KA, MCB, (C-Curve)	3,000.00
21	SH 203 - C16	16A, 3P, 6KA, MCB, (C-Curve)	3,000.00
22	SH 203 - C20	20A, 3P, 6KA, MCB, (C-Curve)	3,000.00
23	SH 203 - C25	25A, 3P, 6KA, MCB, (C-Curve)	3,000.00
24	SH 203 - C32	32A, 3P, 6KA, MCB, (C-Curve)	3,000.00
25	SH 203 - C40	40A, 3P, 6KA, MCB, (C-Curve)	3,000.00
26	S 203 - C50	50A, 3P, 6KA, MCB, (C-Curve)	5,800.00
27	S 203 - C6	63A, 3P, 6KA, MCB, (C-Curve)	5,800.00

The RCCBs F200 series assures protection to people and installations against fault current to earth. A large offer for standard instantaneous and selective AC and A types is completed with some configurations for special applications. ; Confirming to IEC/EN 61008, UL 1053

## RESIDUAL CURRENT CIRCUIT BREAKER (RCCB)



2P	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	28	F202AC-25/0.03	25A, 2P, 30mA, Type-AC, RCCB	3,450.00
	29	F202AC-40/0.03	40A, 2P, 30mA, Type-AC, RCCB	4,550.00
	30	F202AC-63/0.03	63A, 2P, 30mA, Type-AC, RCCB	6,550.00
	31	F202AC-80/0.03	80A, 2P, 30mA, Type-AC, RCCB	8,500.00
	32	F202AC-100/0.03	100A, 2P, 30mA, Type-AC, RCCB	10,250.00
	33	F202AC-63/0.1	63A, 2P, 100mA, Type-AC, RCCB	7,000.00
	34	F202AC-80/0.1	80A, 2P, 100mA, Type-AC, RCCB	9,150.00
	35	F202AC-100/0.1	100A, 2P, 100mA, Type-AC, RCCB	10,950.00
	36	F202AC-63/0.3	63A, 2P, 300mA, Type-AC, RCCB	7,500.00
	37	F202AC-100/0.3	100A, 2P, 300mA, Type-AC, RCCB	11,500.00



4P	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	38	F204AC-25/0.03	25A, 4P, 30mA, Type-AC, RCCB	6,050.00
	39	F204AC-40/0.03	40A, 4P, 30mA, Type-AC, RCCB	6,450.00
	40	F204AC-63/0.03	63A, 4P, 30mA, Type-AC, RCCB	8,500.00
	41	F204AC-80/0.03	80A, 4P, 30mA, Type-AC, RCCB	11,050.00
	42	F204AC-100/0.03	100A, 4P, 30mA, Type-AC, RCCB	13,250.00
	43	F204AC-63/0.1	63A, 4P, 100mA, Type-AC, RCCB	9,000.00
	44	F204AC-80/0.1	80A, 4P, 100mA, Type-AC, RCCB	11,450.00
	45	F204AC-100/0.1	100A, 4P, 100mA, Type-AC, RCCB	13,750.00
	46	F204AC-63/0.3	63A, 4P, 300mA, Type-AC, RCCB	9,200.00
	47	F204AC-100/0.3	100A, 4P, 300mA, Type-AC, RCCB	14,150.00

"Pluggable cartridges on a fixed base plate, for easy installation and fast replacement.

Single-pole Modules for IT and TN-C wiring networks

Multi-pole Modules for TT and TN-S wiring networks

Mechanical status indicator, Optional safety reserve indication. Confirming to IEC/EN 61643-11"

## SURGE PROTECTIVE DEVICE (SPD)



4P	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	48	OVR T2 3N 40-275 P	40KA, 3P+N, 1.4KV, Type-2, SPD	14,500.00
	49	OVR T1+2 3N 7 -275s P	70KA, 3P+N, 1.4KV, Type-1 & 2, SPD	20,000.00

Tmax XT moulded case circuit breakers guarantee an extremely high performance level while being progressively smaller in size, simple to install and able to provide increasingly better safety. Range is complete with four frame sizes: XT1, XT2 up to 160A and XT3, XT4 up to 250A. Confirming to IEC 60947-2

## MOULDED CASE CIRCUIT BREAKER (MCCB) - SACE Tmax XT - FIXED TYPE



ISC= 18KA	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	50	XTmax XT1B FF R16 - TMF	16A, 3P, 18KA, MCCB (Fixed type)	9,500.00
	51	XTmax XT1B FF R25 - TMF	25A, 3P, 18KA, MCCB (Fixed type)	9,500.00
	52	XTmax XT1B FF R32 - TMF	32A, 3P, 18KA, MCCB (Fixed type)	9,500.00
	53	XTmax XT1B FF R40 - TMF	40A, 3P, 18KA, MCCB (Fixed type)	9,500.00
	54	XTmax XT1B FF R50 - TMF	50A, 3P, 18KA, MCCB (Fixed type)	9,500.00
	55	XTmax XT1B FF R63 - TMF	63A, 3P, 18KA, MCCB (Fixed type)	9,500.00
	56	XTmax XT1B FF R80 - TMF	80A, 3P, 18KA, MCCB (Fixed type)	9,500.00
	57	XTmax XT1B FF R100 - TMF	100A, 3P, 18KA, MCCB (Fixed type)	9,500.00

Tmax family is now available as a complete range of moulded case circuit-breakers up to 1600 A. Confirming to IEC 60947-2

## MOULDED CASE CIRCUIT BREAKER (MCCB) - SACE Tmax - ADJUSTABLE TYPE



ISC= 25KA	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	58	XT1C 160 TMD 25-450 3p F F	25A, 3P, 25KA, MCCB (Adjustable type)	9,800.00
	59	XT1C 160 TMD 32-450 3p F F	32A, 3P, 25KA, MCCB (Adjustable type)	9,800.00
	60	XT1C 160 TMD 40-450 3p F F	40A, 3P, 25KA, MCCB (Adjustable type)	9,800.00
	61	XT1C 160 TMD 50-500 3p F F	50A, 3P, 25KA, MCCB (Adjustable type)	9,800.00
	62	XT1C 160 TMD 63-630 3p F F	63A, 3P, 25KA, MCCB (Adjustable type)	9,800.00
	63	XT1C 160 TMD 80-800 3p F F	80A, 3P, 25KA, MCCB (Adjustable type)	9,800.00
	64	XT1C 160 TMD 100-1000 3p F F	100A, 3P, 25KA, MCCB (Adjustable type)	9,800.00
	65	XT1C 160 TMD 125-1250 3p F F	125A, 3P, 25KA, MCCB (Adjustable type)	11,500.00
	66	XT1C 160 TMD 160-1600 3p F F	160A, 3P, 25KA, MCCB (Adjustable type)	15,000.00

ISC= 36KA






ISC= 36KA	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	67	XT3N 250 TMD 200-2000 3p F F	200A, 3P, 36KA, MCCB (Adjustable type)	24,500.00
	68	XT3N 250 TMD 250-2500 3p F F	250A, 3P, 36KA, MCCB (Adjustable type)	29,500.00




ISC= 36KA



ISC= 36KA	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	69	T5N 400 PR221DS-LS/I In=320 3p F F	320A, 3P, 36KA, MCCB (Adjustable type)	55,000.00
	70	T5N 400 PR221DS-LS/I In=400 3p F F	400A, 3P, 36KA, MCCB (Adjustable type)	55,000.00
	71	T5N 630 TMA 500-5000 3p F F	500A, 3P, 36KA, MCCB (Adjustable type)	60,000.00
	72	T6N 630 PR221DS-LS/I In=630 3p F F	630A, 3P, 36KA, MCCB (Adjustable type)	72,000.00


ISC= 50KA	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	73	T6S 800 PR221DS-LS/I In=800 3p F F	800A, 3P, 50KA, MCCB (Adjustable type)	87,000.00
ISC= 50KA	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	74	T7S 1000 PR231/P LS/I In=1000A 3p F F	1000A, 3P, 50KA, MCCB (Adjustable type)	136,000.00
	75	T7S 1250 PR231/P LS/I In=1250A 3p F F	1250A, 3P, 50KA, MCCB (Adjustable type)	172,000.00
ISC= 70KA	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	76	T7H 1000 PR231/P LS/I In=1000A 3p F F	1000A, 3P, 70KA, MCCB (Adjustable type)	180,000.00
	77	T7H 1250 PR231/P LS/I In=1250A 3p F F	1250A, 3P, 70KA, MCCB (Adjustable type)	215,000.00
	78	T7H 1600 PR231/P LS/I In=1600A 3p F F	1600A, 3P, 70KA, MCCB (Adjustable type)	260,000.00



## MCCB ACCESSORIES

IMAGE	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	79	XT1-XT4 (16-250A) - STC	220-250VAC Shunt Opening	5,000.00
	80	T4-T5-T6 (320-800A) - STC	220-250VAC Shunt Opening	6,800.00
	81	T7-T7M-X1 (1000-1600A) - STC	220-250VAC Shunt Opening	13,800.00
	82	XT1-XT4 (16-250A) - UVT	220-250VAC Under Voltage	8,300.00
	83	T4-T5-T6 (320-800A) - UVT	220-250VAC Under Voltage	10,000.00
	84	T7-T7M-X1 (1000-1600A) - UVT	220-250VAC Under Voltage	15,000.00
	85	XT1-XT4 (16-250A) - Aux	Auxiliary Contacts	4,500.00
	86	T4-T5-T6 (320-800A) - Aux	Auxiliary Contacts	8,000.00
	87	T7-T7M-X1 (1000-1600A) - Aux	Auxiliary Contacts	9,000.00
	88	XT1-XT4 (16-250A) -DRH	Fixed Rotary Handle	8,200.00
	89	T4-T5-T6 (320-800A) -DRH	Fixed Rotary Handle	12,500.00
	90	T7-T7M-X1 (1000-1600A) -DRH	Fixed Rotary Handle	13,500.00






SACE Emax 2 is a new series of low voltage air circuit-breakers available up to 6300 A and with the ability to efficiently and simply control electrical installations

## AIR CIRCUIT BREAKER (ACB) - FIXED TYPE SACE EMAX-2

E2.2	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	91	E2.2N 800 Ekip Dip LI 3p F HR	800A, 3P, 66KA, FIXED, ACB	285,000.00
	92	E2.2N 1000 Ekip Dip LI 3p F HR	1000A, 3P, 66KA, FIXED, ACB	290,000.00
	93	E2.2N 1250 Ekip Dip LI 3p F HR	1250A, 3P, 66KA, FIXED, ACB	300,000.00
	94	E2.2N 1600 Ekip Dip LI 3p F HR	1600A, 3P, 66KA, FIXED, ACB	305,000.00
	95	E2.2N 2000 Ekip Dip LI 3p F HR	2000A, 3P, 66KA, FIXED, ACB	330,000.00
	96	E2.2N 2500 Ekip Dip LI 3p F HR	2500A, 3P, 66KA, FIXED, ACB	360,000.00
	97	E4.2N 3200 Ekip Dip LI 3p F HR	3200A, 3P, 66KA, FIXED, ACB	430,000.00

E4.2	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	98	E4.2S 4000 Ekip Dip LI 3p F HR	4000A, 3P, 85KA, FIXED, ACB	765,000.00
ISC= 50KA	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	99	E6.2H 5000 Ekip Dip LI 3p F HR	5000A, 3P, 100KA, FIXED, ACB	1,150,000.00
	100	E6.2H 6300 Ekip Dip LI 3p F HR	6300A, 3P, 100KA, FIXED, ACB	1,670,000.00

## ACB ACCESSORIES

IMAGE	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	101	Shunt trip - MX-XF	Closing and opening coil 220-240VAC/DC; Range : SACE Emax 2	16,000.00
	102	Under Voltage coil - UVT	MN Undervoltage coil 220/240 V AC/DC; Range : SACE Emax 2	18,000.00
	103	Auxiliary Contacts -Aux	Auxiliary Contact Block; 6NO + 6NC; Range : SACE Emax 2	16,000.00
	104	Gear Motor - MCH	Gear Charging Motor MCH 220/250V AC/DC; Range : SACE Emax 2	60,000.00
	105	Electronic Time Delay - UVR	Time delay-UVR 220/250VE1/6; Range : SACE Emax 2	18,000.00
	106	Mechanical Interlock - ME	2 x Mechanical Interlock Plate for fixed ACB with 2 x cable; ; Range : SACE Emax 2	80,000.00

The AX contactor range offers exceptional reliability and performance in a brilliant, space-saving design. Use it for motor starting applications up to 370 A / 200 kW 400 V AC-3.

## MAGNETIC CONTRACTOR (3P)








IMAGE	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	107	AX09-30-10-80	4KW, 9A (AC3), 3P, 1NO + 0NC, 230V AC	2,000.00
	108	AX12-30-10-80	5.5KW, 12A (AC3), 3P, 1NO + 0NC, 230V AC	2,100.00
	109	AX18-30-10-80	7.5KW, 18A (AC3), 3P, 1NO + 0NC, 230V AC	2,900.00
	110	AX25-30-10-80	11KW, 25A (AC3), 3P, 1NO + 0NC, 230V AC	3,600.00
	111	AX32-30-10-80	15KW, 32A (AC3), 3P, 1NO + 0NC, 230V AC	6,500.00
	112	AX40-30-10-80	18.5KW, 40A (AC3), 3P, 1NO + 0NC, 230V AC	10,000.00
	113	AX50-30-10-80	22KW, 50A (AC3), 3P, 1NO + 1NC, 230V AC	11,500.00
	114	AX63-30-10-80	30KW, 65A (AC3), 3P, 1NO + 1NC, 230V AC	15,300.00

IMAGE	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	115	AF96-30-11-13	45KW, 96A (AC3), 3P, 1NO + 1NC, 230V AC	21,000.00
	116	AF116-30-11-13	55KW, 116A (AC3), 3P, 1NO + 1NC, 230V AC	26,000.00
	117	AF140-30-11-13	75KW, 140A (AC3), 3P, 1NO + 1NC, 230V AC	33,300.00
	118	AF190-30-11-13	90KW, 190A (AC3), 3P, 1NO + 1NC, 230V AC	45,000.00
	119	AF205-30-11-13	110KW, 205A (AC3), 3P, 1NO + 1NC, 230V AC	56,000.00
	120	AF265-30-11-13	140KW, 265A (AC3), 3P, 1NO + 1NC, 230V AC	63,000.00
	121	AF305-30-11-13	160KW, 305A (AC3), 3P, 1NO + 1NC, 230V AC	75,000.00
	122	AF370-30-11-13	200KW, 370A (AC3), 3P, 1NO + 1NC, 230V AC	92,000.00
	123	AF460-30-11	250KW, 460A (AC3), 3P, 1NO + 1NC, 230V AC	114,000.00
	124	AF580-30-11	315KW, 580A (AC3), 3P, 1NO + 1NC, 230V AC	149,000.00
	125	AF750-30-11	400KW, 750A (AC3), 3P, 1NO + 1NC, 230V AC	279,000.00

## MAGNETIC CONTACTOR ACCESSORIES

IMAGE	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	126	VE5-1	Electrical + Mechanical Interlock Unit; Range: AX09...AX40	1,400.00
	127	VE5-2	Electrical + Mechanical Interlock Unit; Range: AX50...AX80	1,800.00
	128	VM19	Mechanical Interlock Unit; Range: AF116...AF370	7,000.00
	129	VM96-4	Mechanical Interlock Unit; Range: AF40...AF96	700.00
	130	VM750H	Mechanical Interlock Unit; Range: A400...A1250	14,500.00

## ELECTRONIC TIMER FOR MAGNETIC CONTACTOR

IMAGE	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	131	CT-SDE	0.3 - 30s, On delay timer; Range : AX & AF	4,500.00

## AUXILIARY CONTACT BLOCK FOR MAGNETIC CONTACTOR





IMAGE	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	132	CA5X-10	1NO + 0NC, Auxiliary Contact Block; Range : AX9...AX150	700.00
	133	CA5X-01	0NO + 1NC, Auxiliary Contact Block; Range : AX9...AX150	700.00
	134	CAL5X-11	1NO + 1NC, Auxiliary Contact Block; Range : AX9...AX80	1,100.00

IMAGE	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	135	CA5X-22E	2NO + 2NC, Auxiliary Contact Block; Range : AX50...AX150	1,500.00
	136	CAL4-11	1NO + 1NC, Auxiliary Contact Block; Range : AF09...AF96	1,500.00
	137	CAL19-11	1NO + 1NC, Auxiliary Contact Block; Range : AF116...AF370	1,500.00
	138	CAL18-11	1NO + 1NC, Auxiliary Contact Block; Range : AF400...AF750	1,600.00

Thermal overload relays are economic electromechanical protection devices for the main circuit. They offer reliable protection for motors in the event of overload or phase failure. The thermal overload relay can make up a compact starting solution together with contactors.

## THERMAL OVERLOAD RELAY (TP)






IMAGE	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	139	TA25DU-0.63M	0.4...0.63A, Overload relay; Range: AX09...AX32	3,400.00
	140	TA25DU-1.0M	0.63...1A, Overload relay; Range: AX09...AX32	3,400.00
	141	TA25DU-1.4M	1...1.4A, Overload relay; Range: AX09...AX32	3,400.00
	142	TA25DU-1.8M	1.3...1.8A, Overload relay; Range: AX09...AX32	3,400.00
	143	TA25DU-2.4M	1.7...2.4A, Overload relay; Range: AX09...AX32	3,400.00
	144	TA25DU-3.1M	2.2...3.1A, Overload relay; Range: AX09...AX32	3,400.00
	145	TA25DU-4.0M	2.8...4A, Overload relay; Range: AX09...AX32	3,400.00
	146	TA25DU-5.0M	3.5...5A, Overload relay; Range: AX09...AX32	3,400.00
	147	TA25DU-6.5M	4.5...6.5A, Overload relay; Range: AX09...AX32	3,400.00
	148	TA25DU-8.5M	6...8.5A, Overload relay; Range: AX09...AX32	3,400.00
	149	TA25DU-11M	7.5...11A, Overload relay; Range: AX09...AX32	3,800.00
	150	TA25DU-14M	10...14A, Overload relay; Range: AX09...AX32	3,800.00
	151	TA25DU-19M	13...19A, Overload relay; Range: AX09...AX32	4,000.00
	152	TA25DU-25M	18...25A, Overload relay; Range: AX09...AX32	4,000.00
	153	TA25DU-32M	24...32A, Overload relay; Range: AX09...AX32	4,000.00
	154	TA42DU-25M	18...25A, Overload relay; Range: AX32...AX40	5,000.00
	155	TA42DU-32M	22...32A, Overload relay; Range: AX32...AX40	5,000.00
	156	TA42DU-42M	29...42A, Overload relay; Range: AX32...AX40	5,000.00
	157	TA75DU-25M	18...25A, Overload relay; Range: AX50...AX80	9,000.00
	158	TA75DU-32M	22...32A, Overload relay; Range: AX50...AX80	9,000.00
	159	TA75DU-42M	29...42A, Overload relay; Range: AX50...AX80	9,000.00
	160	TA75DU-52M	36...52A, Overload relay; Range: AX50...AX80	10,000.00
	161	TA75DU-63M	45...63A, Overload relay; Range: AX50...AX80	10,000.00
	162	TA75DU-80M	60...80A, Overload relay; Range: AX50...AX80	10,000.00
	163	TF96-96	84...96A, Overload relay; Range: AF96	14,000.00
	164	TA140DU-110	80...110A, Overload relay; Range: AF116...AF140	17,500.00
	165	TA140DU-135	100...135A, Overload relay; Range: AF116...AF140	18,500.00
	166	TA140DU-142	110...142A, Overload relay; Range: AF116...AF140	19,500.00







IMAGE	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	167	TA200DU-135	100...135A, Overload relay; Range: AF145...AF205	19,000.00
	168	TA200DU-150	110...150A, Overload relay; Range: AF145...AF205	20,000.00
	169	TA200DU-175	130...175A, Overload relay; Range: AF145...AF205	20,100.00
	170	TA200DU-200	150...200A, Overload relay; Range: AF145...AF205	20,500.00
	171	EF370-380	115...380A, Overload relay; Range: AF265...AF370	40,000.00
	172	EF460-500	150...500A, Overload relay; Range: AF400...AF460	40,000.00
	173	EF750-800	250...800A, Overload relay; Range: AF580...AF750	46,500.00

Manual motor starters (MMS) are protection devices for the main circuit. They combine motor control and protection in a single device. MMS are used mainly to switch motors manually ON/OFF and protect them and the installation fuse-less against short-circuit, overload and phase failures.

## MANUAL MOTOR STARTER (MMS)


IMAGE	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	174	MS116-0.63	0.18 KW, 3P, 0.4...0.63 A, 400V AC, MMS	5,000.00
	175	MS116-1.0	0.25 KW, 3P, 0.63...1 A, 400V AC, MMS	5,000.00
	176	MS116-1.6	0.55 KW, 3P, 1...1.6 A, 400V AC, MMS	5,000.00
	177	MS116-2.5	0.75 KW, 3P, 1.6...2.5 A, 400V AC, MMS	5,000.00
	178	MS116-4	1.5 KW, 3P, 2.5...4 A, 400V AC, MMS	5,000.00
	179	MS116-6.3	2.2 KW, 3P, 4...6.3 A, 400V AC, MMS	5,000.00
	180	MS116-10	4 KW, 3P, 6.3...10 A, 400V AC, MMS	6,000.00
	181	MS116-12	5.5 KW, 3P, 8...12 A, 400V AC, MMS	6,000.00
	182	MS116-16	7.5 KW, 3P, 10...16 A, 400V AC, MMS	6,000.00
	183	MS116-20	9 KW, 3P, 16...20 A, 400V AC, MMS	6,000.00
	184	MS116-25	11 KW, 3P, 20...25 A, 400V AC, MMS	6,000.00
	185	MS116-32	15 KW, 3P, 22...32 A, 400V AC, MMS	6,000.00
	186	MS450-40	18.5 KW, 3P, 28...40 A, 400V AC, MMS	25,000.00
	187	MS450-45	22 KW, 3P, 36...45 A, 400V AC, MMS	27,100.00
	188	MS450-50	22 KW, 3P, 40...50 A, 400V AC, MMS	27,500.00
	189	MS495-63	30 KW, 3P, 45...63 A, 400V AC, MMS	31,000.00
	190	MS495-75	37 KW, 3P, 57...75 A, 400V AC, MMS	34,100.00

## AUXILIARY CONTACT BLOCK FOR MMS

IMAGE	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	191	HK1-11	Auxiliary Contact for MMS-116 (ON + OFF)	1,100.00
	192	SK1-11	Auxiliary Contact for MMS-116 (TRIP)	1,100.00
	193	HKS4-11	Auxiliary Contact for MMS-450 & 495 (ON + OFF)	1,200.00
	194	SK4-11	Auxiliary Contact for MMS-450 & 495 (TRIP)	2,500.00


The UA contactors can be used in installations in which the peak current far exceeds 100 times nominal rms current. The contactors are delivered complete with their damping resistors and must be used without additional inductances

## MAGNETIC CONTRACTOR FOR CAPACITOR (WITH DAMPING RESISTOR)

(12.5, 25, 50) KVAR	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	195	UA 16-30-10 RA	12.5KVAR @ 400...415V AC, Control supply voltage 220...230V AC, 1NO+ 0NC, 16A @ AC-6b	5,500.00
	196	UA 30-30-10 RA	25KVAR @ 400...415V AC, Control supply voltage 230...240V AC, 1NO+ 0NC, 30A @ AC-6b	8,500.00
	197	UA 75-30-11 RA	50KVAR @ 400...415V AC, Control supply voltage 220...230V AC, 0NO+ 0NC, 75A @ AC-6b	15,000.00

Improving power quality for grid efficiency and reliability

## CAPACITOR CAN

IMAGE	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	198	PF-CAN-3	3 Kvar, 440V AC, 50Hz, Capacitor bank	1,400.00
	199	PF-CAN-5	5 Kvar, 440V AC, 50Hz, Capacitor bank	2,000.00
	200	PF-CAN-7.5	7.5 Kvar, 440V AC, 50Hz, Capacitor bank	2,750.00
	201	PF-CAN-10	10 Kvar, 440V AC, 50Hz, Capacitor bank	3,800.00
	202	PF-CAN-12.5	12.5 Kvar, 440V AC, 50Hz, Capacitor bank	4,000.00
	203	PF-CAN-20	20 Kvar, 440V AC, 50Hz, Capacitor bank	6,800.00
	204	PF-CAN-25	25 Kvar, 440V AC, 50Hz, Capacitor bank	8,000.00

Improving power quality for grid efficiency and reliability

## CAPACITOR CONTROLLER - SERIES RVC

IMAGE	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	205	RVC-6	RVC-6, 6 step LCD Display, 100V - 440 V AC, 50/60Hz, APFC Controller	25,100.00
	206	RVC-12	RVC-12, 12 step LCD Display, 100V - 440 V AC, 50/60Hz, APFC Controller	42,000.00



To protect the systems against the transient overvoltage (lightning)

## LIGHTNING ARRESTOR & STROKE COUNTER - SERIES OPR & LSC

IMAGE	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	207	OPR-60	Lightning Arrestor (OPR60)	300,000.00
	208	LSC-ABB	Lightning Stroke Counter	50,000.00

M2M is a network analyser with 2 digital outputs, aux supply 24- 230 V a.c./d.c., embedded RS485; The DMTME multimeters combine in a single instrument the functions of a voltmeter, ammeter, power-factor meter, wattmeter, varmeter, frequency meter, active and reactive energy meters.

## MULTI FUNCTION METER

IMAGE	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	209	DMTME-I-485-96	Energy Meter with True RMS Measurement of A, V, F & power factor, Output - 2 Digital; Accuracy Class-1S	23,500.00
	210	M2M LV MODBUS	Energy Meter with True RMS Measurement of A, V, F & power factor, Network analyser, Output - 2 Digital; Accuracy Class-0.5S	50,000.00

Switch-disconnectors 16 to 4000 Amperes  
High performance, compact solution

## MOTORIZED DISCONNECTOR

IMAGE	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	211	OTM630E4CM230C	630A, 4P, Motorized Change-over Switches	450,000.00
	212	OTM800E4C8D230C	800A, 4P, Motorized Change-over Switches	480,000.00
	213	OTM1000E4C8D230C	1000A, 4P, Motorized Change-over Switches	510,000.00
	214	OTM1250E4C8D230C	1250A, 4P, Motorized Change-over Switches	540,000.00
	215	OTM1600E4C8D230C	1600A, 4P, Motorized Change-over Switches	565,000.00

The PSTX Softstarter has protection functions to protect the Softstarter, motor and other equipment. All protections can have automatic reset or manual reset. You can enable or disable the protection.

## MOTORIZED DISCONNECTOR



IMAGE	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	216	PSTX30-600-70	15 KW, 3P, 30A, 400 VAC, Soft starter (Standard Duty)	72,000.00
	217	PSTX37-600-70	18.5 KW, 3P, 37A, 400 VAC, Soft starter (Standard Duty)	80,000.00
	218	PSTX45-600-70	22 KW, 3P, 45A, 400 VAC, Soft starter (Standard Duty)	87,000.00
	219	PSTX60-600-70	30 KW, 3P, 60A, 400 VAC, Soft starter (Standard Duty)	115,500.00
	220	PSTX72-600-70	37 KW, 3P, 72A, 400 VAC, Soft starter (Standard Duty)	130,000.00
	221	PSTX85-600-70	45 KW, 3P, 85A, 400 VAC, Soft starter (Standard Duty)	133,000.00
	222	PSTX105-600-70	55 KW, 3P, 105A, 400 VAC, Soft starter (Standard Duty)	150,000.00
	223	PSTX142-600-70	75 KW, 3P, 142A, 400 VAC, Soft starter (Standard Duty)	175,000.00
	224	PSTX170-600-70	90 KW, 3P, 170A, 400 VAC, Soft starter (Standard Duty)	209,500.00
	225	PSTX210-600-70	110 KW, 3P, 210A, 400 VAC, Soft starter (Standard Duty)	222,500.00
	226	PSTX250-600-70	132 KW, 3P, 250A, 400 VAC, Soft starter (Standard Duty)	243,000.00
	227	PSTX300-600-70	160 KW, 3P, 300A, 400 VAC, Soft starter (Standard Duty)	272,000.00
	228	PSTX370-600-70	200 KW, 3P, 370A, 400 VAC, Soft starter (Standard Duty)	332,500.00
	229	PSTX470-600-70	250 KW, 3P, 370A, 470 VAC, Soft starter (Standard Duty)	400,000.00
	230	PSTB570-600-70	315 KW, 3P, 570A, 470 VAC, Soft starter (Standard Duty)	490,000.00
231	PSTB720-600-70	400 KW, 3P, 720A, 470 VAC, Soft starter (Standard Duty)	645,000.00	
232	PSTB840-600-70	450 KW, 3P, 840A, 470 VAC, Soft starter (Standard Duty)	699,000.00	
233	PSTB1050-600-70	560 KW, 3P, 1050A, 470 VAC, Soft starter (Standard Duty)	830,000.00	

ABB general machinery drives are designed to meet the requirements of an extensive range of machinery applications. The drives are ideal for food and beverage, material handling, textile, printing, rubber and plastics, and wood-working applications.

## VARIABLE SPEED DRIVE (ACS350) - GENERAL MACHINERY DRIVES

200-240V	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	234	ACS350-03E-02A4-2	0.37 KW, 3P, 200...240 V AC, 0...500 Hz, VSD/Inverter	14,175.00
	235	ACS350-03E-04A7-2	0.75 KW, 3P, 200...240 V AC, 0...500 Hz, VSD/Inverter	17,325.00
	236	ACS350-03E-07A5-2	1.5 KW, 3P, 200...240 V AC, 0...500 Hz, VSD/Inverter	22,050.00
	237	ACS350-03E-09A8-2	2.2 KW, 3P, 200...240 V AC, 0...500 Hz, VSD/Inverter	26,250.00
	238	ACS350-03E-17A6-2	4 KW, 3P, 200...240 V AC, 0...500 Hz, VSD/Inverter	36,750.00

380-480V	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	239	ACS350-03E-01A2-4	0.37 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	21,000.00
	240	ACS350-03E-01A9-4	0.55 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	22,050.00
	241	ACS350-03E-02A4-4	0.75 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	23,100.00
	242	ACS350-03E-03A3-4	1.1 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	26,250.00
	243	ACS350-03E-04A1-4	1.5 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	29,400.00
	244	ACS350-03E-05A6-4	2.2 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	31,500.00
	245	ACS350-03E-07A3-4	3 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	33,600.00
	246	ACS350-03E-08A8-4	4 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	37,800.00
	247	ACS350-03E-12A5-4	5.5 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	52,500.00
	248	ACS350-03E-15A6-4	7.5 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	57,750.00
	249	ACS350-03E-23A1-4	11 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	81,900.00
	250	ACS350-03E-31A0-4	15 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	92,400.00
	251	ACS350-03E-38A0-4	18.5 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	107,100.00
	252	ACS350-03E-44A0-4	22 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	131,250.00

## VARIABLE SPEED DRIVE (ACS355) - MACHINERY DRIVE

200-240V	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	253	ACS355-01E-02A4-2	0.37 KW, 3P, 200...240 V AC, 0...599 Hz, VSD/Inverter	14,175.00
	254	ACS355-03E-04A7-2	0.75 KW, 3P, 200...240 V AC, 0...599 Hz, VSD/Inverter	17,325.00
	255	ACS355-03E-06A7-2	1.1 KW, 3P, 200...240 V AC, 0...599 Hz, VSD/Inverter	26,250.00
	256	ACS355-03E-07A5-2	1.5 KW, 3P, 200...240 V AC, 0...599 Hz, VSD/Inverter	22,050.00
	257	ACS355-03E-17A6-2	4 KW, 3P, 200...240 V AC, 0...599 Hz, VSD/Inverter	36,750.00


380-480V	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	258	ACS355-03E-02A4-4	0.75 KW, 3P, 380...480 V AC, 0...599 Hz, VSD/Inverter	23,100.00
	259	ACS355-03E-03A3-4	1.1 KW, 3P, 380...480 V AC, 0...599 Hz, VSD/Inverter	26,250.00
	260	ACS355-03E-04A1-4	1.5 KW, 3P, 380...480 V AC, 0...599 Hz, VSD/Inverter	29,400.00
	261	ACS355-03E-05A6-4	2.2 KW, 3P, 380...480 V AC, 0...599 Hz, VSD/Inverter	31,500.00
	262	ACS355-03E-07A3-4	3 KW, 3P, 380...480 V AC, 0...599 Hz, VSD/Inverter	33,600.00
	263	ACS355-03E-08A8-4	4 KW, 3P, 380...480 V AC, 0...599 Hz, VSD/Inverter	37,800.00
	264	ACS355-03E-12A5-4	5.5 KW, 3P, 380...480 V AC, 0...599 Hz, VSD/Inverter	52,500.00
	265	ACS355-03E-15A6-4	7.5 KW, 3P, 380...480 V AC, 0...599 Hz, VSD/Inverter	57,750.00
	266	ACS355-03E-23A1-4	11 KW, 3P, 380...480 V AC, 0...599 Hz, VSD/Inverter	81,900.00

ABB general purpose drives can be used in a wide range of industries. Typical applications include pump, fan and constant torque use, such as conveyors.

## VARIABLE SPEED DRIVE (ACS550) - GENERAL PURPOSE DRIVE



380-480V	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	267	ACS550-01-03A3-4	1.1 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	29,400.00
	268	ACS550-01-04A1-4	1.5 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	34,650.00
	269	ACS550-01-05A4-4	2.2 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	36,750.00
	270	ACS550-01-06A9-4	3 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	39,900.00
	271	ACS550-01-08A8-4	4 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	44,100.00
	272	ACS550-01-012A-4	5.5 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	56,700.00
	273	ACS550-01-015A-4	7.5 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	61,950.00
	274	ACS550-01-023A-4	11 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	86,100.00
	275	ACS550-01-031A-4	15 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	97,650.00
	276	ACS550-01-038A-4	18.5 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	120,750.00
	277	ACS550-01-044A-4	22 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	141,750.00
	278	ACS550-01-059A-4	30 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	168,000.00
	279	ACS550-01-072A-4	37 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	194,250.00
	280	ACS550-01-087A-4	45 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	257,250.00
	281	ACS550-01-125A-4	55 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	304,500.00
	282	ACS550-01-157A-4	75 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	378,000.00
	283	ACS550-01-180A-4	90 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	456,750.00
	284	ACS550-01-195A-4	110 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	525,000.00
	285	ACS550-01-246A-4	132 KW, 3P, 380...480 V AC, 0...500 Hz, VSD/Inverter	577,500.00

ABB industrial drives are designed for industrial applications, and especially for applications in process industries such as the pulp & paper, metals, mining, cement, power, chemical, and oil & gas. ABB industrial drives are available both as complete AC

## VARIABLE SPEED DRIVE (ACS800) - GENERAL PURPOSE DRIVE



380-480V	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	286	ACS800-01-0003-3	1.5 KW, 3P, 380...415 V AC, 0...300 Hz, VSD/Inverter	75,600.00
	287	ACS800-01-0004-3	2.2 KW, 3P, 380...415 V AC, 0...300 Hz, VSD/Inverter	78,750.00
	288	ACS800-01-0005-3	3 KW, 3P, 380...415 V AC, 0...300 Hz, VSD/Inverter	84,000.00
	289	ACS800-01-0006-3	4 KW, 3P, 380...415 V AC, 0...300 Hz, VSD/Inverter	96,600.00
	290	ACS800-01-0009-3	5.5 KW, 3P, 380...415 V AC, 0...300 Hz, VSD/Inverter	106,050.00
	291	ACS800-01-0011-3	7.5 KW, 3P, 380...415 V AC, 0...300 Hz, VSD/Inverter	117,600.00
	292	ACS800-01-0016-3	11 KW, 3P, 380...415 V AC, 0...300 Hz, VSD/Inverter	136,500.00
	293	ACS800-01-0020-3	15 KW, 3P, 380...415 V AC, 0...300 Hz, VSD/Inverter	157,500.00
	294	ACS800-01-0025-3	22 KW, 3P, 380...415 V AC, 0...300 Hz, VSD/Inverter	183,750.00
	295	ACS800-01-0030-3	30 KW, 3P, 380...415 V AC, 0...300 Hz, VSD/Inverter	194,250.00
	296	ACS800-01-0040-3	37 KW, 3P, 380...415 V AC, 0...300 Hz, VSD/Inverter	246,750.00
	297	ACS800-01-0050-3	45 KW, 3P, 380...415 V AC, 0...300 Hz, VSD/Inverter	304,500.00
	298	ACS800-01-0060-3	55 KW, 3P, 380...415 V AC, 0...300 Hz, VSD/Inverter	378,000.00
	299	ACS800-01-0075-3	75 KW, 3P, 380...415 V AC, 0...300 Hz, VSD/Inverter	404,250.00

## VARIABLE SPEED DRIVE (ACS800) - GENERAL PURPOSE DRIVE



380-415V	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	300	ACS800-01-0165-3	132 KW, 3P, 380...415 V AC, 0...300 Hz, VSD/Inverter	630,000.00
	301	ACS800-01-0205-3	160 KW, 3P, 380...415 V AC, 0...300 Hz, VSD/Inverter	682,500.00
	302	ACS800-04-0260-3	200 KW, 3P, 380...415 V AC, 0...300 Hz, VSD/Inverter	1,102,500.00
	303	ACS800-04-0320-3	250 KW, 3P, 380...415 V AC, 0...300 Hz, VSD/Inverter	1,575,000.00
	304	ACS800-04-0400-3	315 KW, 3P, 380...415 V AC, 0...300 Hz, VSD/Inverter	1,732,500.00
	305	ACS800-04-0440-3	355 KW, 3P, 380...415 V AC, 0...300 Hz, VSD/Inverter	1,995,000.00
	306	ACS800-04-0490-3	400 KW, 3P, 380...415 V AC, 0...300 Hz, VSD/Inverter	2,310,000.00

Vmax circuit breakers are used in electrical distribution to protect cables, distribution and transformer substations, motors, transformers, generators and capacitor banks.

## 11KV VCB - VACUUM CIRCUIT BREAKER - SERIES - VMAX



VMAX	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	307	Vmax 12.06.20 - Fixed	630A, 20KA, Vmax with Mo1, MC, MS& BB1-2	437,500.00
	308	Vmax 12.12.20 - Fixed	1250A, 20KA, Vmax with Mo1, MC, MS& BB1-3	500,000.00
	309	Vmax/W 12.06.20 - Drawout	630A, 20KA, Vmax with Mo1, MC, MS& BB1-2	625,000.00
	310	Vmax/W 12.12.20 - Drawout	1250A, 20KA, Vmax with Mo1, MC, MS& BB1-3 with female socket L=0.8	700,000.00
	311	Vmax 12.06.25 - Fixed	630A, 25KA, Vmax with Mo1, MC, MS& BB1-2	500,000.00
	312	Vmax 12.12.25 - Fixed	1250A, 25KA, Vmax with Mo1, MC, MS& BB1-3	562,250.00
	313	Vmax/W 12.06.25 - Drawout	630A, 25KA, Vmax with Mo1, MC, MS& BB1-2	656,250.00
	314	Vmax/W 12.12.25 - Drawout	1250A, 25KA, Vmax with Mo1, MC, MS& BB1-3 with female socket L=0.8	731,250.00

Vmax circuit breakers are used in electrical distribution to protect cables, distribution and transformer substations, motors, transformers, generators and capacitor banks.

## 11KV VCB - VACUUM CIRCUIT BREAKER - SERIES - VMAX



VMAX	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	315	VD4 12.06.25 - Fixed	630A, 25KA, VD4 with Mo1, MC, MS& BB1-2	562,500.00
	316	VD4 12.12.25 - Fixed	1250A, 25KA, VD4 with Mo1, MC, MS& BB1-2	625,000.00
	317	VD4/P 12.06.20 - Drawout	630A, 25KA, VD4 with Mo1, MC, MS& BB1-2	718,750.00
	318	VD4/P 12.12.20 - Drawout	1250A, 25KA, VD4 with Mo1, MC, MS& BB1-3 with female socket L=0.8	793,750.00
	319	VD4 12.06.32 - Fixed	630A, 31.5KA, VD4 with Mo1, MC, MS& BB1-2	562,500.00
	320	VD4 12.12.32 - Fixed	1250A, 31.5KA, VD4 with Mo1, MC, MS& BB1-2	625,000.00
	321	VD4/P 12.06.32 - Drawout	630A, 31.5KA, VD4 with Mo1, MC, MS& BB1-2	750,000.00
	322	VD4/P 12.12.32 - Drawout	1250A, 31.5KA, VD4 with Mo1, MC, MS& BB1-3 with female socket L=0.8	825,000.00
	323	VD4 12.16.25 - Drawout	1600A, 25KA, VD4 with Mo1, MC, MS& BB1-2	1,031,250.00
	324	VD4 12.20.25 - Drawout	2000A, 25KA, VD4 with Mo1, MC, MS& BB1-2	1,437,500.00

REJ601 are protection relays aimed at protection & control of incoming & outgoing feeders in MV distribution substations

## IDMT RELAY (5A) FOR 11KV VCB PANEL



IDMT	SL	PART NUMBER	ITEM DESCRIPTION	PRICE
	325	REJ601	Feeder protection and control IDMT relay	45,000.00