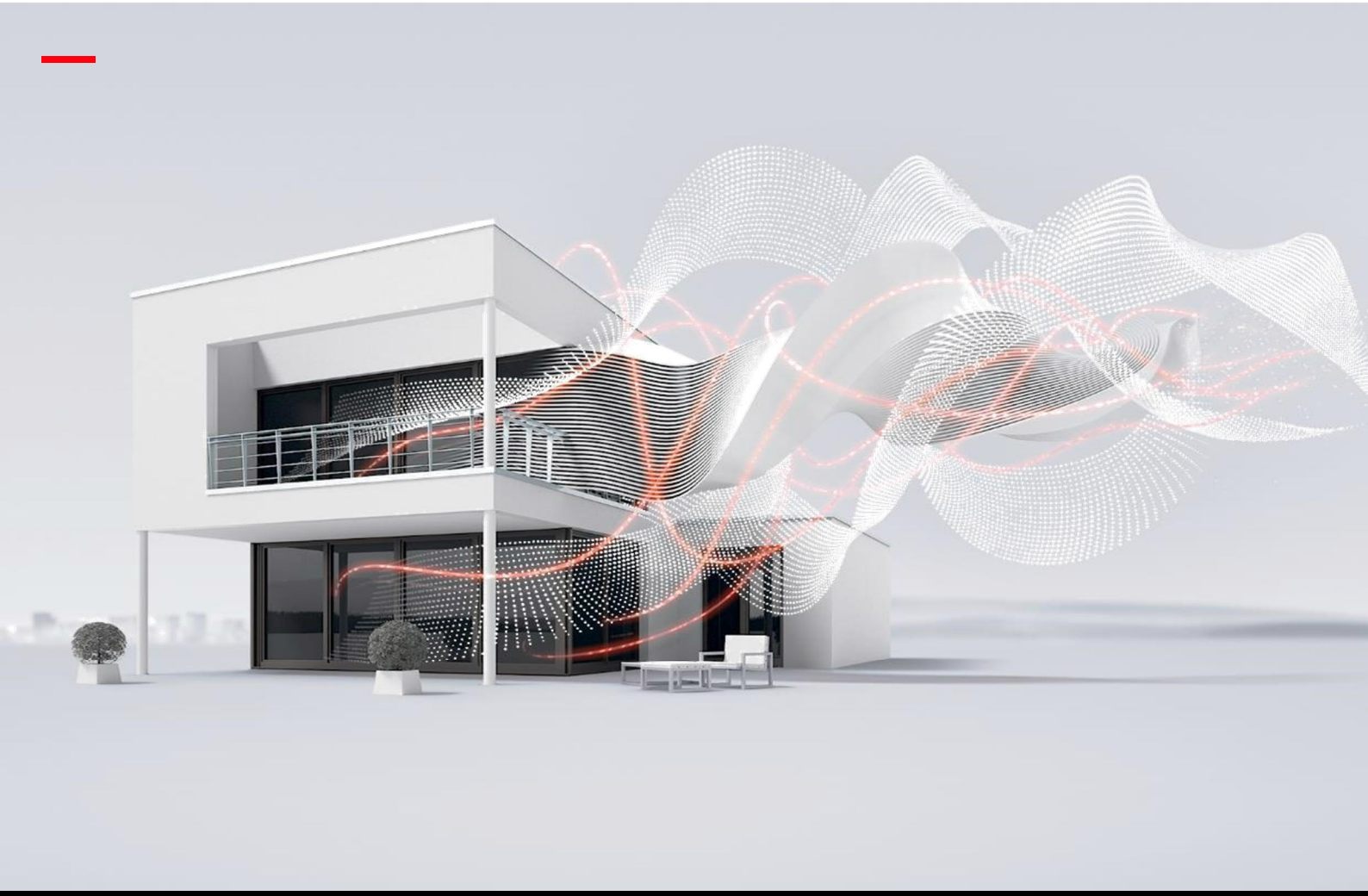

Electrification Products
Market Price List

Euro Enterprise
132 Nawabpur Road
Hazi Market, Dhaka
Phone : +880 1712949110
Email : supports@euro-bd.com
www.euro-bd.com

N.B. The Price may change anytime without any prior notice

EURO ENTERPRISE
A Electrical Company

Concept BS range SWITCH & SOCKETS

Technical Specifications:

Color: White

Switches:	BS EN 60669-1/IEC 60669-1/SS227/MS IEC 60669-1
13A socket outlets:	BS 1363-2/MS 589-2/SS 145
15A socket outlets:	BS 546/SS 472/MS 1577
Euro-American socket outlets:	IEC 60884/BS 5733
Universal socket outlets:	BS 5733/IEC 60884/IEC 61643-1
Telephone outlet RJ11, 4-pole:	TIA/EIA 568-A,568-B
BS Telephone outlet, 6-pole:	BS 6312-2-1/BS 6312-2-2.2
Computer outlet, RJ45, 8-pole:	TIA/EIA 568-A,568-B
TV outlet:	BS 3041-2/IEC 60169-2

AC 101
AC 105
AC 111

AC 102

AC 103

AC 104

AC 429

AC 422

AC 294

AC 209

AC 224

AC 222

AC 412

AC 301

AC 321

AC 331

AC 504

Sl No.	Category	Code	Description	Unit Price (BDT)
1	Switches	AC101	1 Gang 1 Way Switch, 10AX	180
2	Switches	AC102	2 Gang 1 Way Switch, 10AX	320
3	Switches	AC103	3 Gang 1 Way Switch, 10AX	450
4	Switches	AC104	4 Gang 1 Way Switch, 10AX	700
5	Switches Special 2way	AC105	1 Gang 2 Way Switch, 10AX	320
6	Switches Special	AC111	1 Gang 1 Way Double pole Switch, 20AX, with Marking "ON"	650
7	Switches Special Bell Push	AC429	Push Switch with "Bell" Symbol , 10A	320
8	Sockets	AC222	2 Gang Euro-American Switched Socket Outlet, 10A, 2pin	550
9	Sockets	AC224	BS Single pole Switched Socket Outlet, 13A, 3pin Flat	430
10	Sockets	AC209	BS Single pole Round pin Switched Socket Outlet, 15A, 3pin Round	620
11	Sockets	AC294	Switched Universal Socket Outlet, 13A	720
12	Communication TV	AC301	1 Gang TV Outlet, dead-end feeder	480
13	Communication TEL	AC321	1 Gang Telephone Outlet, RJ11, 4-pole UTP	600
14	Communication NET	AC331	1 Gang Computer Outlet, RJ45, cat.5e, 8-pole UTP	1,075
15	Function Controls Fan	AC422	Fan Controller, 500VA, 250V, 50Hz	1,200
16	Function Controls Light	AC412	Rotary Dimmer (25-600W)	2,350
17	Accessories	AC504	1 Gang Blank Plate	140

N.B. The Price may change anytime without any prior notice

EURO ENTERPRISE
A Electrical Company

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EURO ENTERPRISE
A Electrical Company

Residual Current Circuit Breaker (RCCB)

Function: RCCB is used to attain a higher degree of safety in all installation and also in supply area Where the installation rules recommend the use of residual current operated protective devices. RCCBs F200 series assures protection to people and installations against fault current to earth. The product standard is IEC EN 61008.

2P RCCB (Single Phase Application)

Sl. No.	Current Rating [A]	Sensitivity [mA]	Product Description	Unit Price (BDT)
1	25	30	F202AC-25/0.03	3,450
2	40		F202AC-40/0.03	4,550
3	63		F202AC-63/0.03	6,550
4	80		F202AC-80/0.03	8,500
5	100		F202AC-100/0.03	10,250
6	63	100	F202AC-63/0.1	7,000
7	80		F202AC-80/0.1	9,150
8	100		F202AC-100/0.1	10,950
9	63	300	F202AC-63/0.3	7,500
10	100		F202AC-100/0.3	11,500

4P RCCB (Three Phase Application)

Sl. No.	Current Rating [A]	Sensitivity [mA]	Product Description	Unit Price (BDT)
1	25	30	F204AC-25/0.03	6,050
2	40		F204AC-40/0.03	6,450
3	63		F204AC-63/0.03	8,500
4	80		F204AC-80/0.03	11,050
5	100		F204AC-100/0.03	13,250
6	63	100	F204AC-63/0,1	9,000
7	80		F204AC-80/0,1	11,450
8	100		F204AC-100/0,1	13,750
9	63	300	F204AC-63/0.3	9,200
10	100		F204AC-100/0.3	14,150

Lightning Protection

Function: Certified Lighting Arrester from 'Wuhan High Voltage Research Institute' have special feature to attract possible lighting stroke by generating pulse and successfully channel it to the ground.

Sl No.	Model/ Description	Unit Price (BDT)
1	Lightning Arrestor (OPR60) [At height of 5m, radius of protection Rp=97m]	300,000
	Lightning Stroke Counter	50,000

N.B. The Price may change anytime without any prior notice

EURO ENTERPRISE
A Electrical Company

Surge Protective Device (SPD)

Function: The Single-Block pluggable 4 pole (TP+N) modular Power surge arrester provides protection for equipment against transient overvoltage that occurs on the electrical network.

Sl No.	Model	Voltage Protection Level Up [kV]	Max. Discharge Current Imax 8/20 [kA]	Unit Price (BDT)
1	OVR T2 3N 40-275 P	1.4	40	14,500
2	OVR T1+2 3N 7 -275s P	1.4	80	20,000

Industrial Plugs & Sockets

Technical Data

- 16 - 125 A, 50 - 690 VAC
- PA6 plastic material
- IEC 60 309-1, -2
- Superior grip
- Compact design
- All external screws are made of stainless steel.

Sl No.	Current Rating [A]	IP	Voltage [V]	Terminal	Model	Unit Price (BDT)
Industrial Plugs						
1	16	IP44	200-250	2P+E	216-P6	950
2	32	IP44	200-250	2P+E	232-P6	1,390
3	63	IP44	200-250	2P+E	263-P6	6,110
4	16	IP44	346-415	3P+N+E	416-P6	1,230
5	32	IP44	346-415	3P+N+E	432-P6	1,730
6	63	IP44	346-415	3P+N+E	463P6	7,330
7	63	IP67	346-415	3P+N+E	463P6W	9,780
Industrial Sockets (Surface Mount)						
1	16	IP44	200-250	2P+E	216RS6	1,610
2	32	IP44	200-250	2P+E	232RS6	2,110
3	63	IP44	200-250	2P+E	263RS6	7,840
4	16	IP44	346-415	3P+N+E	416RS6	1,840
5	32	IP44	346-415	3P+N+E	432RS6	2,450
6	63	IP44	346-415	3P+N+E	463RS6	9,170
7	63	IP67	346-415	3P+N+E	463RS11W	15,280

N.B. The Price may change anytime without any prior notice

Miniature Circuit Breaker (MCB)

Function: Protection & Control of the Circuits against Overloads & Short-circuits; Suitable for Human, Cable, IT & TN system Protection

Application: Residential & Commercial.

Operating Voltage: 230/440 V

Tripping Characteristic: C (5 In < Im < 10 In)

Breaking Capacity : 3kA

Rated Current	SP		DP		TP	
[A]	Model	Unit Price (BDT)	Model	Unit Price (BDT)	Model	Unit Price (BDT)
6	SH 201 T-C6	490	SH 202 T-C6	1,350	SH 203 T-C6	2,000
10	SH 201 T-C10	490	SH 202 T-C10	1,350	SH 203 T-C10	2,000
16	SH 201 T-C16	490	SH 202 T-C16	1,350	SH 203 T-C16	2,000
20	SH 201 T-C20	490	SH 202 T-C20	1,350	SH 203 T-C20	2,000
25	SH 201 T-C25	490	SH 202 T-C25	1,350	SH 203 T-C25	2,000
32	SH 201 T-C32	490	SH 202 T-C32	1,350	SH 203 T-C32	2,000
40	SH 201 T-C40	490	SH 202 T-C40	1,350	SH 203 T-C40	2,000

Breaking Capacity : 6kA

Rated Current	SP		DP		TP	
[A]	Model	Unit Price (BDT)	Model	Unit Price (BDT)	Model	Unit Price (BDT)
6	SH 201 - C06	650	SH 202 - C6	1,650	SH 203 - C6	3,000
10	SH 201 - C10	650	SH 202 - C10	1,650	SH 203 - C10	3,000
16	SH 201 - C16	650	SH 202 - C16	1,650	SH 203 - C16	3,000
20	SH 201 - C20	650	SH 202 - C20	1,650	SH 203 - C20	3,000
25	SH 201 - C25	650	SH 202 - C25	1,650	SH 203 - C25	3,000
32	SH 201 - C32	650	SH 202 - C32	1,650	SH 203 - C32	3,000
40	SH 201 - C40	650	SH 202 - C40	1,650	SH 203 - C40	3,000
50	S 201 - C50	1,850	S 202 - C50	3,800	S 203 - C50	5,800
63	S 201 - C63	1,850	S 202 - C63	3,800	S 203 - C63	5,800

N.B. The Price may change anytime without any prior notice

EURO ENTERPRISE
A Electrical Company

Moulded Case Circuit Breaker (MCCB)

Function: Protection & Control of electrical machines against Overloads, Short-circuits & Ground fault (opt)

Application: Industrial & Residential, 16 to 1600A low voltage operation in DC & AC switchgear, motor, generator, capacitor etc.

TMD: Solid State Thermal Adjustable & Magnetic Fixed

Rated Current [A]	Breaking Capacity [kA]	Pole	Trip Unit	Model	Unit Price (BDT)
16	18	3	TMD	XT1B 160 TMD 16-450 3p F FcCu	9,500
20	18	3	TMD	XT1B 160 TMD 20-450 3p F FcCu	9,500
25	18	3	TMD	XT1B 160 TMD 25-450 3p F FcCu	9,500
32	18	3	TMD	XT1B 160 TMD 32-450 3p F FcCu	9,500
40	18	3	TMD	XT1B 160 TMD 40-450 3p F FcCu	9,500
50	18	3	TMD	XT1B 160 TMD 50-500 3p F FcCu	9,500
63	18	3	TMD	XT1B 160 TMD 63-630 3p F FcCu	9,500
80	18	3	TMD	XT1B 160 TMD 80-800 3p F FcCu	9,500
100	18	3	TMD	XT1B 160 TMD 100-1000 3p F FcCu	9,500

TMD: Solid State Thermal Adjustable & Magnetic Fixed

Rated Current [A]	Breaking Capacity [kA]	Pole	Trip Unit	Model	Unit Price (BDT)
25	25	3	TMD	XT1C 160 TMD 25-450 3p F FcCu	9,800
32	25	3	TMD	XT1C 160 TMD 32-450 3p F FcCu	9,800
40	25	3	TMD	XT1C 160 TMD 40-450 3p F FcCu	9,800
50	25	3	TMD	XT1C 160 TMD 50-500 3p F FcCu	9,800
63	25	3	TMD	XT1C 160 TMD 63-630 3p F FcCu	9,800
80	25	3	TMD	XT1C 160 TMD 80-800 3p F FcCu	9,800
100	25	3	TMD	XT1C 160 TMD 100-1000 3p F FcCu	9,800
125	25	3	TMD	XT1C 160 TMD 125-1250 3p F FcCu	11,500
160	25	3	TMD	XT1C 160 TMD 160-1600 3p F FcCu	15,000

TMD: Solid State Thermal Adjustable & Magnetic Fixed
PR22*: Electronic Trip Unit Long, Short & Instant protection

Rated Current [A]	Breaking Capacity [kA]	Pole	Trip Unit	Model	Unit Price (BDT)
200	36	3	TMD	XT3N 250 TMD 200-2000 3p F F	24,500
250	36	3	TMD	XT3N 250 TMD 250-2500 3p F F	29,500
320	36	3	PR221DS-LS/I	T5N 400 PR221DS-LS/I In=320 3p F EF	55,000
400	36	3	PR221DS-LS/I	T5N 400 PR221DS-LS/I In=400 3p F EF	55,000
500	36	3	TMA	T5N 630 TMA 500-5000 3p F EF	60,000
630	36	3	PR221DS-LS/I	T6N 630 PR221DS-LS/I In=630 3p F EF	72,000

PR22*: Electronic Trip Unit Long, Short & Instant protection

Rated Current [A]	Breaking Capacity [kA]	Pole	Trip Unit	Model	Unit Price (BDT)
800	50	3	PR221DS-LS/I	T6S 800 PR221DS-LS/I In=800 3p F EF	87,000
1000	50	3	PR231/P-LS/I	T7S 1000 PR231/P LS/I In=1000A 3p F F	136,000
1250	50	3	PR231/P LS/I	T7S 1250 PR231/P LS/I In=1250A 3p F EF	172,000
1600	70	3	PR231/P LS/I	T7H 1600 PR231/P LS/I In=1600A 3p F EF	260,000

N.B. The Price may change anytime without any prior notice

EURO ENTERPRISE
A Electrical Company

Moulded Case Circuit Breaker (MCCB)

TMD: Solid State Thermal Adjustable & Magnetic Fixed
PR22*: Electronic Trip Unit Long, Short & Instant protection

Rated Current [A]	Breaking Capacity [kA]	Pole	Trip Unit	Model	Unit Price (BDT)
16	18	4	TMD	XT1B 160 TMD 16-450 4p F FcCu	11,760
20	18	4	TMD	XT1B 160 TMD 20-450 4p F FcCu	11,760
25	18	4	TMD	XT1B 160 TMD 25-450 4p F FcCu	11,760
32	18	4	TMD	XT1B 160 TMD 32-450 4p F FcCu	11,760
40	18	4	TMD	XT1B 160 TMD 40-450 4p F FcCu	11,760
50	18	4	TMD	XT1B 160 TMD 50-500 4p F FcCu	11,760
63	18	4	TMD	XT1B 160 TMD 63-630 4p F FcCu	11,760
80	18	4	TMD	XT1B 160 TMD 80-800 4p F FcCu	11,760
100	18	4	TMD	XT1B 160 TMD 100-1000 4p F FcCu	11,760

TMD: Solid State Thermal Adjustable & Magnetic Fixed
PR22*: Electronic Trip Unit Long, Short & Instant protection

Rated Current [A]	Breaking Capacity [kA]	Pole	Trip Unit	Model	Unit Price (BDT)
25	25	4	TMD	XT1C 160 TMD 25-450 4p F FcCu	12,600
32	25	4	TMD	XT1C 160 TMD 32-450 4p F FcCu	12,600
40	25	4	TMD	XT1C 160 TMD 40-450 4p F FcCu	12,600
50	25	4	TMD	XT1C 160 TMD 50-500 4p F FcCu	12,600
63	25	4	TMD	XT1C 160 TMD 63-630 4p F FcCu	12,600
80	25	4	TMD	XT1C 160 TMD 80-800 4p F FcCu	12,600
100	25	4	TMD	XT1C 160 TMD 100-1000 4p F FcCu	12,600
125	25	4	TMD	XT1C 160 TMD 125-1250 4p F FcCu InN=50%	13,800
160	25	4	TMD	XT1C 160 TMD 160-1600 4p F FcCu InN=50%	18,960

TMD: Solid State Thermal Adjustable & Magnetic Fixed
PR22*: Electronic Trip Unit Long, Short & Instant protection

Rated Current [A]	Breaking Capacity [kA]	Pole	Trip Unit	Model	Unit Price (BDT)
200	36	4	TMD	XT3N 250 TMD 200-2000 4p F F InN=50%	30,000
250	36	4	TMD	XT4N 250 TMA 250-2500 4p F F InN=100%	40,200
320	36	4	PR221DS-LS/I	T5N 400 PR222DS/P-LSI In=320 4p F EF	80,400
400	36	4	PR221DS-LS/I	T5N 400 PR222DS/P-LSI In=400 4p F EF	80,400
500	36	4	TMA	T5N 630 TMA 500-5000 4p F EF	69,600
630	36	4	PR221DS-LS/I	T6N 630 PR221DS-LS/I In=630 4p F F	88,200

PR22*: Electronic Trip Unit Long, Short & Instant protection

Rated Current [A]	Breaking Capacity [kA]	Pole	Trip unit	Model	Unit Price (BDT)
800	50	4	PR221DS-LS/I	T6S 800 PR222DS/P-LSI In=800 4p F EF	118,560
1000	50	4	PR231/P-LS/I	T7S 1000 PR231/P LS/I In=1000A 4p F F	159,000
1250	50	4	PR231/P LS/I	T7S 1250 PR231/P LS/I In=1250A 4p F F	210,600
1600	75	4	PR231/P LS/I	T7H 1600 PR231/P LS/I In=1600A 4p F EF	318,000

N.B. The Price may change anytime without any prior notice

EURO ENTERPRISE
A Electrical Company

Moulded Case Circuit Breaker (MCCB)

Function: The new Formula series consist of two frames, available in the fixed version with front terminals.
Application: Industrial & Residential, 30A to 630 A low voltage operation.

TMF: Solid State Thermal & Magnetic Fixed

Rated Current [A]	Breaking Capacity [kA]	Pole	Trip Unit	Model	Unit Price (BDT)
30	18	3	TMF	A1B 125 TMF 30-300 3p F F	6,300
40	18	3	TMF	A1B 125 TMF 40-400 3p F F	6,300
50	18	3	TMF	A1B 125 TMF 50-500 3p F F	6,300
60	18	3	TMF	A1B 125 TMF 60-600 3p F F	6,300
80	25	3	TMF	A1B 125 TMF 80-800 3p F F	6,300
100	25	3	TMF	A1B 125 TMF 100-1000 3p F F	6,600
125	25	3	TMF	A1C 125 TMF 125-1250 3p F F	7,980
160	25	3	TMF	A2C 250 TMF 160-1600 3p F F	10,680
200	36	3	TMF	A2N 250 TMF 200-2000 3p F F	16,560
250	36	3	TMF	A2N 250 TMF 250-2500 3p F F	19,800
320	36	3	TMF	A3N 400 TMF 320-3200 3p F F	36,720
400	36	3	TMF	A3N 400 TMF 400-4000 3p F F	36,720
500	36	3	TMF	A3N 630 TMF 500-5000 3p F F	41,400
630	36	3	ELT	A3N 630 ELT LI In=630 3p F F	48,300

N.B. The Price may change anytime without any prior notice

EURO ENTERPRISE
A Electrical Company

Air Circuit Breaker (ACB)

Function: Emax 2 circuit breaker gives protection & control of electrical machines against Overloads, Short-circuits & Ground Fault

Application: Industrial & Residential; 800 to 6300A Low voltage operation in DC & AC switchgear, motor, generator (synchronizing), capacitor, ATS etc.

Fixed Type ACB:

Rated Current[A]	Breaking Capacity [kA]	Model	Pole	Unit Price (BDT)
800	66	E2.2N 800 Ekip Dip LI 3p F HR	3	285,000
1000	66	E2.2N 1000 Ekip Dip LI 3p F HR	3	290,000
1250	66	E2.2N 1250 Ekip Dip LI 3p F HR	3	300,000
1600	66	E2.2N 1600 Ekip Dip LI 3p F HR	3	305,000
2000	66	E2.2N 2000 Ekip Dip LI 3p F HR	3	330,000
2000	100	E2.2H 2000 Ekip Dip LI 3p F HR	3	470,400
2500	66	E2.2N 2500 Ekip Dip LI 3p F HR	3	360,000
2500	100	E2.2H 2500 Ekip Dip LI 3p F HR	3	507,600
3200	66	E4.2N 3200 Ekip Dip LI 3p F HR	3	430,000
3200	85	E4.2S 3200 Ekip Dip LI 3p F HR	3	462,000
3200	100	E4.2H 3200 Ekip Dip LI 3p F HR	3	565,200
4000	66	E4.2N 4000 Ekip Dip LI 3p F HR	3	613,200
4000	85	E4.2S 4000 Ekip Dip LI 3p F HR	3	765,000
4000	100	E4.2H 4000 Ekip Dip LI 3p F HR	3	920,400
5000	100	E6.2H 5000 Ekip Dip LI 3p F HR	3	1,150,000
5000	150	E6.2V 5000 Ekip Dip LI 3p F HR	3	1,434,000
6300	100	E6.2H 6300 Ekip Dip LI 3p F HR	3	1,670,000
6300	150	E6.2V 6300 Ekip Dip LI 3p F HR	3	2,130,000
800	66	E2.2N 800 Ekip Dip LI 4p F HR	4	374,400
1000	66	E2.2N 1000 Ekip Dip LI 4p F HR	4	374,400
1250	66	E2.2N 1250 Ekip Dip LI 4p F HR	4	382,800
1600	66	E2.2N 1600 Ekip Dip LI 4p F HR	4	398,400
2000	66	E2.2N 2000 Ekip Dip LI 4p F HR	4	432,000
2000	100	E2.2H 2000 Ekip Dip LI 4p F HR	4	624,000
2500	66	E2.2N 2500 Ekip Dip LI 4p F HR	4	468,000
2500	100	E2.2H 2500 Ekip Dip LI 4p F HR	4	674,400
3200	66	E4.2N 3200 Ekip Dip LI 4p F HR	4	571,200
3200	85	E4.2S 3200 Ekip Dip LI 4p F HR	4	600,000
3200	100	E4.2H 3200 Ekip Dip LI 4p F HR	4	752,400
4000	66	E4.2N 4000 Ekip Dip LI 4p F HR	4	816,000
4000	85	E4.2S 4000 Ekip Dip LI 4p F HR	4	1,022,400
4000	100	E4.2H 4000 Ekip Dip LI 4p F HR	4	1,227,600
4000-Full Size	100	E6.2H/f 4000 Ekip Dip LI 4p F HR	4	1,653,600
5000	100	E6.2H 5000 Ekip Dip LI 4p F HR	4	1,491,600
5000-Full Size	100	E6.2H/f 5000 Ekip Dip LI 4p F HR	4	1,705,200
5000	150	E6.2V 5000 Ekip Dip LI 4p F HR	4	1,791,600
5000-Full Size	150	E6.2V/f 5000 Ekip Dip LI 4p F HR	4	2,047,200
6300	100	E6.2H 6300 Ekip Dip LI 4p F HR	4	2,230,800
6300-Full Size	100	E6.2H/f 6300 Ekip Dip LI 4p F HR	4	2,550,000
6300	150	E6.2V 6300 Ekip Dip LI 4p F HR	4	2,678,400
6300-Full Size	150	E6.2V/f 6300 Ekip Dip LI 4p F HR	4	3,061,200

N.B. The Price may change anytime without any prior notice

EURO ENTERPRISE
A Electrical Company

Air Circuit Breaker (ACB)

Withdrawable Type ACB:

Rated Current[A]	Breaking Capacity [kA]	Model	Pole	Unit Price (BDT)
800	66	E2.2N 800 Ekip Dip LI 3p WMP	3	374,400
1000	66	E2.2N 1000 Ekip Dip LI 3p WMP	3	374,400
1250	66	E2.2N 1250 Ekip Dip LI 3p WMP	3	381,600
1600	66	E2.2N 1600 Ekip Dip LI 3p WMP	3	394,800
2000	66	E2.2N 2000 Ekip Dip LI 3p WMP	3	422,400
2000	100	E2.2H 2000 Ekip Dip LI 3p WMP	3	579,600
2500	66	E2.2N 2500 Ekip Dip LI 3p WMP	3	456,000
2500	100	E2.2H 2500 Ekip Dip LI 3p WMP	3	625,200
3200	66	E4.2N 3200 Ekip Dip LI 3p WMP	3	564,000
3200	85	E4.2S 3200 Ekip Dip LI 3p WMP	3	588,000
3200	100	E4.2H 3200 Ekip Dip LI 3p WMP	3	711,600
4000	66	E4.2N 4000 Ekip Dip LI 3p WMP	3	822,000
4000	85	E4.2S 4000 Ekip Dip LI 3p WMP	3	990,000
4000	100	E4.2H 4000 Ekip Dip LI 3p WMP	3	1,159,200
5000	100	E6.2H 5000 Ekip Dip LI 3p WMP	3	1,407,600
5000	150	E6.2V 5000 Ekip Dip LI 3p WMP	3	1,653,600
6300	100	E6.2H 6300 Ekip Dip LI 3p WMP	3	2,101,200
6300	150	E6.2V 6300 Ekip Dip LI 3p WMP	3	2,468,400
800	66	E2.2N 800 Ekip Dip LI 4p WMP	4	496,800
1000	66	E2.2N 1000 Ekip Dip LI 4p WMP	4	523,200
1250	66	E2.2N 1250 Ekip Dip LI 4p WMP	4	505,200
1600	66	E2.2N 1600 Ekip Dip LI 4p WMP	4	523,200
2000	66	E2.2N 2000 Ekip Dip LI 4p WMP	4	560,400
2000	100	E2.2H 2000 Ekip Dip LI 4p WMP	4	771,600
2500	66	E2.2N 2500 Ekip Dip LI 4p WMP	4	604,800
2500	100	E2.2H 2500 Ekip Dip LI 4p WMP	4	831,600
3200	66	E4.2N 3200 Ekip Dip LI 4p WMP	4	748,800
3200	85	E4.2S 3200 Ekip Dip LI 4p WMP	4	781,200
3200	100	E4.2H 3200 Ekip Dip LI 4p WMP	4	948,000
4000	66	E4.2N 4000 Ekip Dip LI 4p WMP	4	1,094,400
4000	85	E4.2S 4000 Ekip Dip LI 4p WMP	4	1,320,000
4000	100	E4.2H 4000 Ekip Dip LI 4p WMP	4	1,470,000
4000-Full Size	100	E6.2H/f 4000 Ekip Dip LI 4p WMP	4	2,091,600
5000	100	E6.2H 5000 Ekip Dip LI 4p WMP	4	1,879,200
5000-Full Size	100	E6.2H/f 5000 Ekip Dip LI 4p WMP	4	2,148,000
5000	150	E6.2V 5000 Ekip Dip LI 4p WMP	4	2,209,200
5000-Full Size	150	E6.2V/f 5000 Ekip Dip LI 4p WMP	4	2,523,600
6300	100	E6.2H 6300 Ekip Dip LI 4p WMP	4	2,810,400
6300-Full Size	100	E6.2H/f 6300 Ekip Dip LI 4p WMP	4	3,211,200
6300	150	E6.2V 6300 Ekip Dip LI 4p WMP	4	3,302,400
6300-Full Size	150	E6.2V/f 6300 Ekip Dip LI 4p WMP	4	3,774,000

** The price of withdrawable ACB is including fixed part .

N.B. The Price may change anytime without any prior notice

EURO ENTERPRISE
A Electrical Company

ACB- Accessories

Sl No.	Description	Supports	Unit Price (BDT)
1	Shunt Opening (220/240 V)	ACB-Emax 2	16,000
2	Shunt Closing (220/240 V)	ACB-Emax 2	16,000
3	Under Voltage Release (220/240 V)	ACB-Emax 2	18,000
4	Auxiliary Contacts (6 NO + 6NC)	ACB-Emax 2	16,000
5	Gear Motor	ACB-Emax 2	60,000
6	Electronic Time Delay	ACB-Emax 2	18,000

N.B. The Price may change anytime without any prior notice

Magnetic Contactor

Application: Magnetic Contactors are used for controlling 3-phase motors and power circuits and other applications like bypass, capacitor switching lighting etc.
AC-1 : Rating for non-inductive or slightly inductive loads, resistance furnace etc.
AC-3 : Rating for squirrel-cage motors: starting, switching-off motors during running.

Sl No.	Model	Motor Rating [kW]	Operating Current [A]		Auxiliary Contacts		Unit Price (BDT)
			AC-3	AC-1	NO	NC	
1	AX 09-30-10-80	4	9	22	1	-	2,000
2	AX 12-30-10-80	5.5	12	25	1	-	2,100
3	AX 18-30-10-80	7.5	18	27	1	-	2,900
4	AX 25-30-10-80	11	25	32	1	-	3,600
5	AX 32-30-10-80	15	32	55	1	-	6,500
6	AX 40-30-10-80	18.5	40	60	1	-	10,000
7	AX 50-30-11-80	22	50	100	1	1	11,500
8	AX 65-30-11-80	30	65	115	1	1	15,300
9	AX 80-30-11-80	37	80	125	1	1	19,100
10	AF96-30-11-13	45	96	130	1	1	21,000
11	AF116-30-11-13	55	116	160	1	1	26,300
12	AF140-30-11-13	75	140	200	1	1	33,300
13	AF190-30-11-13	90	190	250	1	1	45,000
14	AF205-30-11-13	110	205	350	1	1	56,000
15	AF265-30-11-13	140	265	400	1	1	63,000
16	AF305-30-11-13	160	305	500	1	1	75,000
17	AF370-30-11-13	200	370	600	1	1	92,000
18	AF460-30-11	250	460	700	1	1	114,000
19	AF580-30-11	315	580	800	1	1	149,000
20	AF750-30-11	400	750	1050	1	1	279,000

Coil Voltage 220…230V AC, 50Hz

Magnetic Contactor for Capacitors (with damping resistor)

Sl No.	Model	Max. Peak Current	Rated Power (kVAR)	Auxiliary Contacts		Unite Price (BDT)
1	UA 16-30-10 RA	Unlimited	12.5	1	-	5,100
2	UA 30-30-10 RA		25	1	-	8,500
3	UA 75-30-11 RA		50	1	1	15,000

Coil Voltage 220…230V AC, 50Hz

N.B. The Price may change anytime without any prior notice

EURO ENTERPRISE
A Electrical Company

Magnetic Contactor- Accessories

Interlocks (Electrical + Mechanical)

Sl No.	Model No	Horizontal Mounting		Unit Price (BDT)
		Left	Right	
1	VE5-1	AX09...AX40	AX09...AX40	1,400
2	VE5-2	AX50...AX80	AX50...AX80	1,800
3	VM19	AF116...AF370	AF116...AF370	7,000
4	VM96-4	AF40...AF96	AF40...AF96	700
5	VM750H	A400...A1250	A400...A1250	14,500

VM = Mechanical Only

Electronic Timer (Star Delta type)

Supported Contactor: Any contactor

Sl No.	Description	Timing Ranges	Auxiliary Contacts	Model	Unit Price (BDT)
1	Star Delta Type Operation Auxiliary Voltage 220...240 V AC	0.3 - 30 sec	1NO+1NC	CT-SDE	4,500

Auxiliary Contact Block for Magnetic Contactor

Sl. NO.	Main Contactor	Position	Model	Auxiliary Contacts		Unit Price (BDT)
				NO	NC	
1	AX9 ... AX80	FRONT	CA5X-10	1	-	700
2	AX9 ... AX80	FRONT	CA5X-01	-	1	700
3	AX9 ... AX40	FRONT	CA5X-22E	2	2	1,500
4	AX9 ... AX80 UA16 ... 75 RA	SIDE	CAL5X-11	1	1	1,100
5	AF09 ... AF96	SIDE	CAL4 - 11	1	1	800
6	AF116 ... AF370	SIDE	CAL19-11	1	1	800
7	AF400 ... AF750	SIDE	CAL18-11	1	1	900

N.B. The Price may change anytime without any prior notice

EURO ENTERPRISE
A Electrical Company

Motor Starting Solution

Function: Manual control & protection against Overload, Short-circuit & Phase failure.

Manual Motor Starter (MMS)

Sl No.	Current Rating	kW Rating	Model	Unit Price (BDT)
1	0.40 - 0.63	0.25	MS 116-0.63	5,000
2	0.63 - 1.00	0.37	MS 116-1.0	5,000
3	1.00 - 1.60	0.55	MS 116-1.6	5,000
4	1.60 - 2.50	1.1	MS 116-2.5	5,000
5	2.50 - 4.00	1.5	MS 116-4	5,000
6	4.00 - 6.30	2.2	MS 116-6.3	5,000
7	6.30 - 10.00	4	MS 116-10	6,000
8	8.00 - 12.00	5.5	MS 116-12	6,000
9	10.00 - 16.00	7.5	MS 116-16	6,000
10	16.00 - 20.00	9	MS 116-20	6,000
11	20.00 - 25.00	11	MS 116-25	6,000
12	22.00 - 32.00	15	MS116-32	6,000
13	28.00 - 40.00	18.5	MS 450-40	25,000
14	36.00 - 45.00	22	MS 450-45	27,100
15	40.00 - 50.00	22	MS 450-50	27,500
16	45.00 - 63.00	30	MS 495-63	31,000
17	57.00 - 75.00	37	MS 495-75	34,100

Auxiliary Contact Block for MMS

SI.No	MMS Model	Type	Auxiliary Contacts	Model	Unit Price (BDT)
1	MMS - 116	ON+OFF	1 NO + 1 NC	HK1-11	1,100
2	MMS - 116	TRIP	1 NO + 1 NC	SK1-11	1,100
3	MMS - 450	ON+OFF	1 NO + 1 NC	HKS4-11	1,200
4	MMS - 450	TRIP	1 NO + 1 NC	SK4-11	2,500

N.B. The Price may change anytime without any prior notice

EURO ENTERPRISE
A Electrical Company

Thermal Overload Relay

Function: Used with the contactor range A, AX & AF to protect motors against Over-load & Phase failure with a rated operating voltage.

Sl No.	Current Ratings [A]	Supported Contactor	Model	Unit Price (BDT)
1	0.40 ... 0.63	AX09 ... AX32	TA25DU-0.63M	3,400
2	0.63 ... 1.00		TA25DU-1.0M	3,400
3	1.00 ... 1.40		TA25DU-1.4M	3,400
4	1.30 ... 1.80		TA25DU-1.8M	3,400
5	1.70 ... 2.40		TA25DU-2.4M	3,400
6	2.20 ... 3.10		TA25DU-3.1M	3,400
7	2.80 ... 4.00		TA25DU-4.0M	3,400
8	3.50 ... 5.00		TA25DU-5.0M	3,400
9	4.50 ... 6.50		TA25DU-6.5M	3,400
10	6.00 ... 8.50		TA25DU-8.5M	3,400
11	7.50 ... 11.00		TA25DU-11M	3,800
12	10.00 ...14.00		TA25DU-14M	3,800
13	13.00 ... 19.00		TA25DU-19M	4,000
14	18.00 ... 25.00		TA25DU-25M	4,000
15	24.00..32.00		TA25DU-32M	4,000
16	18 ... 25	AX32 ... AX40	TA42DU-25M	5,000
17	22 ... 32		TA42DU-32M	5,000
18	29 ... 42		TA42DU-42M	5,000
19	18 ... 25	AX50 ... AX80	TA75DU-25M	9,000
20	22 ... 32		TA75DU-32M	9,000
21	29 ... 42		TA75DU-42M	9,000
22	36 ... 52		TA75DU-52M	10,000
23	45 ... 63		TA75DU-63M	10,000
24	60 ... 80		TA75DU-80M	10,000
25	84 ... 96	AF 96	TF 96-96	14,000
26	80 ... 110	AF116...AF140	TA140DU-110	17,500
27	100 ... 135		TA140DU-135	18,500
28	110 ... 142		TA140DU-142	19,500
29	100 ... 135	AF190...AF205	TA200DU-135	19,000
30	110 ... 150		TA200DU-150	20,000
31	130 ... 175		TA200DU-175	20,100
32	150 ... 200		TA200DU-200	20,500
33	115 ... 380	AF265...AF370	EF370-380	39,500
34	150 ... 500	AF400...AF460	EF460-500	39,500
35	250 ... 800	AF580...AF750	EF750-800	46,500

N.B. The Price may change anytime without any prior notice

Multi-Function Meter

M2M

DMTME

Technical Features

- LED Display,
- Display Size 96X96mm panel mounting
- Phase and three-phase voltage & current TRMS
- Frequency
- THD (for MEM only)
- Phase and three-phase power factor
- Phase and three-phase cosφ
- Phase and three-phase active power
- Phase and three-phase reactive power
- Phase and three-phase apparent power
- Phase and three-phase active energy
- Phase and three-phase reactive energy
- Phase and three-phase total energy
- Min/max/mean peak values
- Count up and count down hour counter
- Digital Outputs
- Serial port RS485
- Protocols available ModBus RTU

Sl No.	Product Description	Model	Unit Price (BDT)
1	Multi Function Meter with RS 485 Communication Port (Panel Mounting), Dimension: 96x96mm	DMTME-I-485/96	17,500
2	Multi Function Meter with RS 485 Communication Port (Panel Mounting), Dimension: 96x96mm	M2M LV MODBUS	35,500

Automatic Transfer Switch (ATS)

Function: ABBs Automatic Transfer Switches are designed to transfer loads from one power source to another in a wide variety of applications. These are tested according to IEC 60947-6-1 and IEC 60947-3 standards

Application: The switches have ratings in AC31 and AC33 utilization categories, up to 415 V.

Sl No.	Rated Current [A]	Model	Pole	Unit Price (BDT)
1	630	OTM630E3CM230C	4	450,000
2	800	OTM800E4C8D230C	4	480,000
3	1000	OTM1000E4C8D230C	4	510,000
4	1250	OTM1250E4C8D230C	4	540,000
5	1600	OTM1600E4C8D230C	4	565,000

** Motorized (Automatic) & Manual Change Over Switch (MCOS) 3/4 pole available.

N.B. The Price may change anytime without any prior notice

EURO ENTERPRISE
A Electrical Company

Compact Distribution Board

Protecta

Minicenter

Technical Data
Standard: IEC 439- 3 & BS 60439 part 1 & 3
Busbar type
Max. Load: 250 amps
Max. Voltage: 230 / 400 V ac, 50 / 60 Hz
Range: 4, 6, 8, 12, 16, 20 and 24 TP&N ways
12, 18, 24, 36, 48, 60 and 72 SP&N ways
Degree of protection: IP 41
Enclosure material: Cold rolled sheet steel Box and Cover 1 mm (Aluzinc steel on request)
Enclosure finish: Gray, RAL 7035
Fault level: 35 kA

MCB Incoming -MCB Outgoing:

Sl No	Product Description	Model	Unit Price (BDT)
1	MiniCenter TP+N busbar type distribution boards; 24Module	EMC 324 CF-16	17,000
2	MiniCenter TP+N busbar type distribution boards; 36Module	EMC 336 CF-16	20,000
3	MiniCenter TP+N busbar type distribution boards; 48Module	EMC 348 CF-16	23,500
4	MiniCenter Multi row type distribution boards; 20Module	EMC 120 RXF	7,250
5	MiniCenter Multi row type distribution boards; 32Module	EMC 232 RXF	10,250
6	MiniCenter Multi row type distribution boards; 48Module	EMC 348 RXF	12,900
7	Protecta Compact Multi row type distribution boards ; 16Module	EPA 01	7,000
8	Protecta Compact Multi row type distribution boards ; 48Module	EPA 03	12,200

N.B. The Price may change anytime without any prior notice

EURO ENTERPRISE
A Electrical Company

ONLINE UPS

Online UPS

ABB offers a wide range of Uninterruptible Power System (UPS) starting from 1 KVA to 5 MVA in the portfolio of Standalone and Modular.

Offerings:

1. Standalone System-

(i) Single Phase Standalone System

(ii) Three Phase Standalone System

2. Three Phase Modular System

1. (i) Single Phase Standalone System:

PowerVario: The reliable state-of-the-art power protection UPS from 1 to 10 KVA.

PowerValue: The beauty of power protection simplicity, single phase UPS system from 7.5 to 20 KVA.

(ii)Three Phase Standalone System:

PowerScale: Compact, Scalable, Cost-Saving. The new standalone three-phase UPS system from 10 to 50 kVA.

PowerWave 33: The energy-efficient UPS from 60 to 500 kW.

2. Three Phase Modular System:

Conceptpower DPA: The energy-efficient, rack-mountable modular UPS ranging from 8 to 200 KW. This UPS system is desinged for today's critical high density computing environments. The UPS is built using true double conversion technology and delivers high quality power.

N.B. The Price may change anytime without any prior notice

EURO ENTERPRISE
A Electrical Company

Solar Inverter

Solar Inverters

ABB offers a wide portfolio of solar inverters from small transformerless single-phase string inverters up to hundreds of kilowatts transformerless central inverters. This extensive range of solar inverters is suitable for the smallest residential home systems up to multi-megawatt power plants.

1. String inverters low power

	PVI-TL from 3 to 6kW – Single-phase output – 2 MPPTs – Wide Input (120-530V) – Op temp. (-25 to +60°C) – IP 65 - 17,5kg		UNO-DM from 3,3 to 6kW – Single-phase output – 2 MPPTs – Commissioning free – Wireless connectivity – IP65 – 15kg
	REACT-TL 3,6 and 4,6kW – PV + Storage – 2 to 4kWh LiIon – 2 MPPTs – Integrated load manager – MyREACT dedicated App		TRIO-TL from 5,8 to 8,5kW – Three-phase output – 2 MPPTs – Sliding cover, easy O&M – Wide input (320-800V) – IP 65 – 28kg

2. String inverters high power

	PVI-TL 10,0 and 12,5kW – Three-phase output – 2 MPPTs – DC switch incorporated – Natural convection – IP 65 – 41kg		TRIO-TL 20,0 and 27,6kW – Three-phase output – 2 MPPTs – Wide input (440-800V) – Flexible set-up – IP 65 – 75kg
	PRO-TL 33kW – Three-phase output – 1 MPPTs – Compact design – 98,3% max efficiency – Input range (580-850V)		TRIO-TL 50 and 60kW – Three-phase output – 1 and 3 MPPTs – 400 and 480Vac – Flexible design – Wide input (480-800V)

3. Central inverters

	PVS-800 up to 1MW – Central indoor – Modular architecture – 98,8% max efficiency – Reactive power control – 4000m max altitude		PVS-980 from 1,8 to 2MW – Central outdoor – 1500Vdc technology – 98,8% max efficiency – Liquid cooling system – 4000m max altitude
	PVS-800 1,7MW – Central indoor – Modular architecture – Compact design – Reactive power control – 4000m max altitude		PVS-800 MVH 1,9 to 2,4MW – Compact housing – From DV to MVac – Skid version too – Plug-and-play – Easy transportability

N.B. The Price may change anytime without any prior notice

EURO ENTERPRISE
A Electrical Company

Vacuum Circuit Breaker - VMax

12....17.5 kV, 630.....1250 A, 16.....31.5 kA

- Tested and constructed in accordance with IEC Standards; IEC 62271-100
- Compact dimensions
- 10,000 operations with regular maintenance
- Sealed-for-life and maintenance-free interrupters
- Fixed and withdrawable versions
- Operating mechanism with just a few highly reliable components
- Accessories common to the whole range

Circuit Breaker		VMax 12
Rated and insulation voltage	Ur [kV]	12
Withstand voltage at 50Hz (1 min)	Ud [kV]	28
Impulse withstand voltage	Up [kV]	75
Rated Current (40◦C)	Ir[A]	630, 1250
Rated breaking capacity	Isc[kA]	16, 20, 25, 31.5
Rated short time (3s)	Ik[kA]	16, 20, 25, 31.5
Making capacity	Ip[kA]	40, 50, 63, 80

Sl No	Current Rating (Amp)	Short Circuit Rating (kA)	Model	Type
1	630	20	VMax 12.06.20	Fixed
2	630	20	VMax/W 12.06.20	Withdrawable
3	1250	20	VMax 12.12.20	Fixed
4	1250	20	VMax 12.12.20	Withdrawable
5	630	25	VMax 12.06.25	Fixed
6	630	25	VMax/W 12.06.25	Withdrawable
7	1250	25	VMax/W 12.12.25	Withdrawable

N.B. The Price may change anytime without any prior notice

EURO ENTERPRISE
A Electrical Company

Vacuum Circuit Breaker – VD4

12....40.5 kV, 630.....3150 A, 16.....50 kA

- Tested and constructed in accordance with IEC Standards; IEC 62271-100
- Compact dimensions
- 10,000 operations with regular maintenance
- Sealed-for-life and maintenance-free interrupters
- Fixed and withdrawable versions
- Operating mechanism with just a few highly reliable components
- Accessories common to the whole range

Circuit Breaker	VD4 12	VD4 17	VD4 24	VD4 36	VD4 40.5
Rated and insulation voltage Ur[kV]	12	17.5	24	36	40.5
Withstand voltage at 50Hz (1min) Ud [kV]	28	38	50	70	85
Impulse withstand voltage Up [kV]	75	95	125	170	185
Rated Current (40◦C) Ir[A]	630, 1250, 1600, 2000, 2500	630, 1250, 1600, 2000, 2500, 3150, 4000(1)	630, 1250, 1600, 2000, 2500	1250, 1600, 2000, 2500, 3150(1)	1250, 1600, 2000, 2500, 3150(1)
Rated breaking capacity Isc[kA]	16, 20, 25, 31.5, 40, 50	16, 20, 25, 31.5, 40, 50	16, 20, 25	25, 31.5, 40	25, 31.5
Rated short time (3s) Ik[kA]	16, 20, 25, 31.5, 40, 50	16, 20, 25, 31.5, 40, 50	16, 20, 25	25, 31.5, 40	25, 31.5
Making capacity Ip[kA]	40, 50, 63, 80, 100, 125	40, 50, 63, 80, 100, 125	40, 50, 63	63, 80, 100	63, 80

Sl No	Current Rating (Amp)	Short Circuit Rating (kA)	Model	Type
1	630	25	VD4 12.06.25	Fixed
2	630	25	VD4/P 12.06.25	Withdrawable
3	1250	25	VD4/P 12.12.25	Withdrawable
4	2500	40	VD4/P 12.25.40	Withdrawable
5	3200	40	VD4 12.32.40	Fixed
6	3200	40	VD4 12.32.40	Withdrawable

(1) In ABB switchgear with forced ventilation

N.B. The Price may change anytime without any prior notice

EURO ENTERPRISE
A Electrical Company

Selection & Ordering:

VD4	.....	.....	.....	.....

Version	Fixed	-
	Withdrawable	P
Rated Voltage	12 kV	12
	17.5 kV	17
	24 kV	24
	36 kV	36
	40.5 kV	40
Rated Normal Current	630 A	06
	1250 A	12
	1600 A	16
	2000 A	20
	2500 A	15
	3150 A	32
	4000 A	40
Rated Breaking Capacity	16 kA	16
	20 kA	20
	25 kA	25
	31.5 kA	32
	40 kA	40
	50 kA	50

SF6 Circuit Breaker – HD4

12....40.5 kV, 630.....3600 A, 16.....50 kA

- Tested and constructed in accordance with IEC Standards; IEC 62271-100
- No restriking after breaking
- Withstand insulation voltage even at zero relative Pressure (up to 24 kV)
- Breaking up to 30% of the rated breaking capacity even at zero relative pressure (up to 24 kV)
- Compact dimensions
- Long electrical and mechanical life
- Maintenance-free poles and sealed for life
- Fixed and withdrawable versions
- Gas monitoring device on request

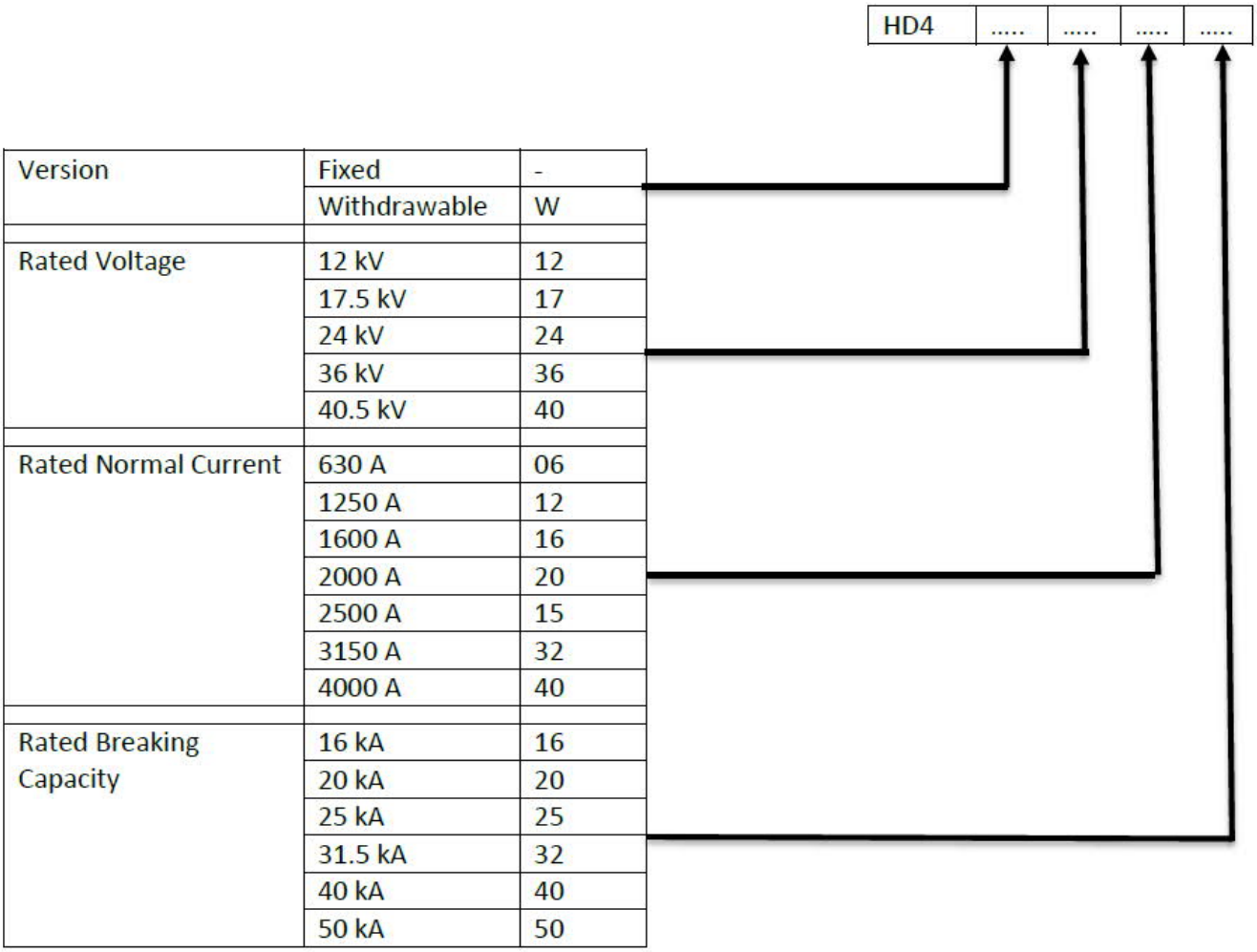
N.B. The Price may change anytime without any prior notice

Circuit Breaker	HD4 12	HD4 17	HD4 24	HD4 36	HD4 40.5
Rated and insulation voltage Ur[kV]	12	17.5	24	36	40.5
Withstand voltage at 50Hz (1 min) Ud [kV]	28	38	50	70	95
Impulse withstand voltage Up [kV]	75	95	125	170	185
Rated Current (40◦C) Ir[A]	630, 1250, 1600, 2000, 2500, 3150(1)	630, 1250, 1600, 2000, 2500, 3150(1)	630, 1250, 1600,2000, 2500(2)	1250, 1600, 2000, 2500(2)	1250, 1600, 2000, 2500(2)
Rated breaking capacity Isc[kA]	16, 25, 31.5, 40, 50	16, 25, 31.5, 40, 50	16, 20, 25, 31.5, 40, 50	20, 25, 31.5	25, 31.5
Rated short time (3s) Ik[kA]	16, 25, 31.5, 40, 50	16, 25, 31.5, 40, 50	16, 25, 31.5, 40,50	20, 25, 31.5	25, 31.5
Making capacity Ip[kA]	40, 63, 80, 100, 125	40, 63, 80, 100, 125	40, 50, 63, 80, 100, 125	50, 63, 80	63, 80

(1) There are higher currents with forced ventilation: 3600 A with a fan installed in the PowerCube (PB3) and 4000 A with a further fan in the rear of the switchgear

(2) 2500 A with forced ventilation

Selection & Ordering:



Version	Fixed	-
	Withdrawable	W
Rated Voltage	12 kV	12
	17.5 kV	17
	24 kV	24
	36 kV	36
	40.5 kV	40
Rated Normal Current	630 A	06
	1250 A	12
	1600 A	16
	2000 A	20
	2500 A	15
	3150 A	32
	4000 A	40
Rated Breaking Capacity	16 kA	16
	20 kA	20
	25 kA	25
	31.5 kA	32
	40 kA	40
	50 kA	50

Sl No	Current Rating (Amp)	Short Circuit Rating (kA)	Model	Type
1	630	25	HD4 12.06.25	Fixed
2	630	25	HD4/W 12.06.25	Withdrawable
3	1250	25	HD4/W 12.12.25	Withdrawable
4	2500	25	HD4 12.25.25	Fixed
5	2500	25	HD4/W 12.25.25	Withdrawable
6	1250	40	HD4/W 12.12.40	Withdrawable
7	2000	40	HD4/W 12.20.40	Withdrawable
8	2500	40	HD4/W 12.25.40	Withdrawable
9	3150	40	HD4/W 12.32.40	Withdrawable
10	1200	50	HD4/W 12.12.50	Withdrawable
11	1600	50	HD4/W 12.16.50	Fixed
12	3200	50	HD4/W 12.32.50	Withdrawable

Outdoor Vacuum Circuit Breaker

- Tested and constructed in accordance with IEC Standards; IEC 62271-100
- Operation at temp. between -25◦ C and +40◦ C
- Maintenance free poles
- Suitable for self-reclosing cycles
- Poles made with ceramic insulators, assembly using flanges with terminals
- Pole covers and cups made of anodized aluminium
- Simple installation – structure mounted with

Circuit Breaker		OVB-VBF 24	OVB-VBF 36	OVB-VBF 40.5
Rated voltage	[kV]	24	36	40.5
Rated Current	[A]	1250, 2000, 2500	1250, 2000, 2500	2000, 2500
Power Freq withstand	[kV/min]	70	70	95
Impulse withstand voltage	[kV peak]	170	170	195
Rated short time withstand current (3s)	[kA_{RMS}]	25, 31.5	25, 31.5	31.5
Rated making capacity	[kA_{Peak}]	63,80	63, 80	80

N.B. The Price may change anytime without any prior notice

Sl No.	Description
1	33 kV, 3 phase, 1250A, 25 kA/3sec, 50/ 60 Hz, porcelain clad Outdoor Vacuum Circuit Breaker type: OVB-VBF-36 with accessories, Steel structure for breaker mounting, Steel cabinet for mechanism & auxiliary equipment, Closing coil, Opening coil, Spring charging motor, Mechanical & Electrical position indicator, Free Aux contacts 6NO+6NC, Breaker control switch TNC, Local / remote selector switch, Charging handle for spring

Protection Relay & Aux Relay

Price List:

Sl No.	Description	Unit Price (BDT)
1	Overcurrent and Earth fault relay, Type: REF 601 Protection Function: 50/50N, 51/51N Aux Voltage: 18-80V DC, 80 – 265 V AC/DC, CT Secondary : 1A/5A	40,000
2	Overcurrent and Earth fault relay, Type: SPAJ 140C Protection Function: 50/50N, 51/51N Aux Voltage: 18-80V DC, 80 – 265 V AC/DC, CT Secondary : 1A/5A	38,000
3	Motor Protection Relay, Type: SPAM 150 C Protection Function: • Three-Phase Thermal Overload Protection (49) • Stall Protection with Speed Switch Input for Drives with Limited te-Time (14) • Thermal Stress Supervision or Three-Phase Definite Time Overcurrent Protection (48/51) • Three-Phase Definite Time High Set Overcurrent Protection (50) • Definite Time Low-Set Earth Fault Protection (51N) • Phase Sequence Protection (46) Aux Voltage: 18 – 80 V DC, 80 – 265 V AC/DC CT Secondary : 1A/5A	115,000
4	Trip Circuit Supervision Relay, Type TCS Aux. Volt: (110-125)V DC / AC, Contacts: 1N/O + 1N/C+2C/O	12,000
5	Auxiliary Relay, Type PQ8N Aux. Volt: (110-125)V DC / AC, Contacts: 1N/O + 1N/C+2C/O	15,000

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Low Voltage Capacitor

- In compliance to IS: 13340/41 & IEC 60831-1&2
- Dry type design
- Dielectric: Polypropylene film
- Extruded cylindrical aluminium can with stud
- Overpressure disconnector
- Elements inside an extruded cylindrical aluminium can, delta connected internally
- Provided with discharge resistor
- Three phase
- Self-healing technology
- Naturally air cooled
- For power factor correction in indoor applications
- Very low losses – Total losses including discharge resistors are less than 0.5 W/kVAR

Range	Cylinderical type	Box-type
Voltage [V]	415/440	
Range [kVar]	1 – 25	
Frequency [Hz]	50	
Connection	3 Phase as standard construction	
Discharge resistor	In-built as part of the capacitor	
Installation	Indoor	
Mounting parts	Threaded stud at bottom of can	Mounting bracket at rear plate
Earth	Extruded stud	Earth connection on the enclosure fixation
Mean life expectancy	100,000 hours (max 5,000 switching / year)	100,000 hours (max 5,000 switching / year)

Price List:

Sl No.	Description	Unit Price (BDT)
1	1 KVARr, 440V, 50Hz Capacitor Bank	550
2	3 KVARr, 440V, 50Hz Capacitor Bank	1320
3	5 KVARr, 440V, 50Hz Capacitor Bank	1870
4	7.5 KVARr, 440V, 50Hz Capacitor Bank	2750
5	10 KVARr, 440V, 50Hz Capacitor Bank	3575
6	12.5 KVARr, 440V, 50Hz Capacitor Bank	4400
7	20 KVARr, 440V, 50Hz Capacitor Bank	6380
8	25 KVARr, 440V, 50Hz Capacitor Bank	8250

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EURO ENTERPRISE
A Electrical Company

Vacuum Contactor

- Tested and constructed in accordance with IEC Standards
- Compact dimensions
- Up to 1000,000 operations
- Maintenance free
- Fixed and withdrawable versions

Contactor		VSC 7	VSC 12
Rated voltage	[kV]	7.2	12
Withstand voltage at 50Hz	[kV]	23	28(1)
Impulse withstand voltage	[kVbil]	60	75
Rated Current	[A]	400	400
Rated short time withstand current for 1s	[kA]	6	6
Rated peak current	[kA]	15	15
Opening time	[ms]	20.....30	20.....30
Closing time	[ms]	35.....50	35.....50

(1) Version for 42 kV – 50 Hz x 1 min between phases and between phases and earth available on request

Is - Limiter

- Reduce the cost of distribution substations
- Solve the short-circuit problems in new plants or in case of enlargement
- Are the optimal solution for interconnection of switchgear with electrical distribution plants
- In many cases are the only technical solution possible
- Widely experimented and applied successfully in thousands of plants
- Never allow the peak short-circuit current to be reached
- Limit the onset of the short-circuit current right from the first moments
- Fixed and withdrawable versions

Limiter	Fixed Is-Limiter					Withdrawable Is-Limiter		
Rated voltage [kV]	0.75	12	17.5	24	36	12	17.5	24
Rated Current [A]	1250, 2000, 3000, 4500(1), 5000(1)	1250, 2000, 2500, 3000, 4000(1)	1250, 2000, 2500, 3000, 4000(1)	1250, 1600, 2000, 3000(1)	1250, 2000, 2500(1)	1250, 2000, 2500, 3000(1), 4000(1)	1250, 2000, 3000(1), 4000(1)	1250, 2000, 3000(1), 4000(1)
Test voltage (1 min) [kV]	3	28	38	50	75	28	38	50
Impulse withstand voltage [kV]	-	75	95	125	200	75	95	125
Rated short-circuit/opening current [kA_{RMS}]	140	210	210	140	140	210	210	140

(1) With cooling fan

Air Insulated Switchgear (AIS)

- Tested and constructed in accordance with IEC Standards
- Guaranteed arc-proof units (IAC)
- Compartment segregated by means of metal Partitions (metal clad)
- Apparatus racking-in/out with the door closed
- Complete with mechanical safety interlocks
- Earthing switch with full making capacity

Switchgear	UniGear 12	UniGear 17	UniGear 24	UniGear 36	UniGear 40.5
Rated voltage [kV]	12	17.5	24	36	40.5
Insulation levels [kV]	12/28/75	17.5/38/95	24/50/125	36/70/170	40.5/95/185
Rated current of the main busbars [A]	4000	4000	3150	2500	3150
Rated current of the branch [A]	4000	4000	2500	2500	3150
Rated short-time withstand current [kA]	50	50	.....31.5	25	.....31.5
Arc withstand current [kA]	50	50	.....31.5	25	Ask ABB

Gas Insulated Switchgear (GIS)

- Tested in accordance with IEC standards
- Guaranteed arc-proof units (IAC)
- Units can be installed against wall
- Complete with mechanical safety interlocks
- Motor activated switch disconnector with three positions
- Connection between the functional units by means of busbar coupling connections
- Completely unaffected by environmental conditions

ZX0 – GIS with Single Busbar System

Switchgear		ZX0 12	ZX0 17	ZX0 24	ZX0.2
Type of construction		GIS	GIS	GIS	GIS
Rated voltage	[kV]	12	17.5	24	12.....24
Insulation levels	[kV]	12/28/75	17.5/38/75	24/50/75	12/28/75..... 24/50/125
Rated current of the main busbars at 40◦C	[A]	1250	1250	1250	1250...2500
Rated current of the branch at 40◦C	[A]	1250	1250	1250	1250...2500
Rated short-time withstand current	[kA]	25	25	25	31.5
Arc withstand current	[kA]	25	25	25	31.5

ZX1.2 – GIS with Single Busbar System

Switchgear		ZX1.2 12	ZX1.2 24	ZX1.2 36
Type of construction		GIS	GIS	GIS
Rated voltage	[kV]	12	24	36
Insulation levels	[kV]	12/28/75	24/50/125	36/70/170
Rated current of the main busbars at 40◦C	[A]	2500	2500	2500
Rated current of the branch at 40◦C	[A]	2500	2500	2500
Rated short-time withstand current	[kA]	.....31.5	.....31.5	.....31.5
Arc withstand current	[kA]	.....31.5	.....31.5	.....31.5

ZX1.2 – GIS with Single and Double Busbar System

Switchgear		ZX2 12	ZX2 24	ZX2 36
Type of construction		GIS	GIS	GIS
Rated voltage	[kV]	12	24	36
Insulation levels	[kV]	12/28/75	24/50/125	36/70/170
Rated current of the main busbars at 40◦C	[A]	2500	2500	2500
Rated current of the branch at 40◦C	[A]	2500	2500	2500
Rated short-time withstand current	[kA]	40	40	40
Arc withstand current	[kA]	40	40	40

Note: Special version upto 40.5 kV

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EURO ENTERPRISE
A Electrical Company

Ring Main Unit (RMU)

- Tested and constructed in accordance with IEC standards
- Arc proof construction
- Gas containing compartments made of stainless steel
- Designed for public and industrial distribution
- Units can be installed against wall
- Unaffected by environmental conditions
- Extremely compact and reliable
- Cable connection bushings on the front

SafePlus

Type of construction		GIS	GIS	GIS
Rated voltage	[kV]	12	17.5	24
Insulation levels	[kV]	12/28/75	17.5/38/95	24/50/125
Rated current of the main busbars at 40◦C	[A]	1250	1250	1250
Rated current of the branch at 40◦C	[A]	630	630	630
Rated short-time withstand current	[kA]	25	25	20

SafeRing

Type of construction		GIS	GIS	GIS
Rated voltage	[kV]	12	17.5	24
Insulation levels	[kV]	12/28/75	17.5/38/95	24/50/125
Rated current of the main busbars at 40◦C	[A]	630	630	630
Rated current of the branch at 40◦C	[A]	630	630	630
Rated short-time withstand current	[kA]	.....21(1)	16	16

(1) V module = 16 kA; C module = 21 kA

….. & More

PowerCube

Pre-assembled modules for medium voltage switchgear

- Tested and constructed in accordance with IEC standards
- Modular structure studied to facilitate construction of switchgear
- Fitted with mechanical & electromechanical locks
- Metal shutters with optional fail safe device
- Circuit breaker/contactor racking-in/out with the door closed
- Use the gas circuit breakers, vacuum circuit breakers and vacuum contactors
- Version with earthing switch with making capacity
- Earthing switch with making capacity fitted with interlocks
- Bottom compartment can be fitted with measurement truck with VTs protected by fuses

Air insulated Switch Disconnector for indoor installation

- Tested and constructed in accordance with IEC standards
- Suitable for installation in switchgear and in distribution substations
- Sturdy and simple structure which only requires minimum maintenance
- Spring operated mechanism
- Can be combined with protection fuses and with trip device

Air insulated Switch Disconnector for outdoor installation

- Tested and constructed in accordance with IEC standards
- Modular and adaptable to all installation systems
- Simple adaptation from manual system with remote control
- Wide range of accessories
- High quality insulation materials
- Limited weights and simple construction
- Limited number of components
- High level of operating safety

Reclosures for outdoor installation for overhead lines

- Tested and constructed in accordance with ANSI, IEC, NEMA, IEEE standards
- Compact and sturdy design
- Up to 10,000 operations
- Maintenance free poles
- Magnetic actuators
- Embedded vacuum interrupters
- Microprocessor based control unit

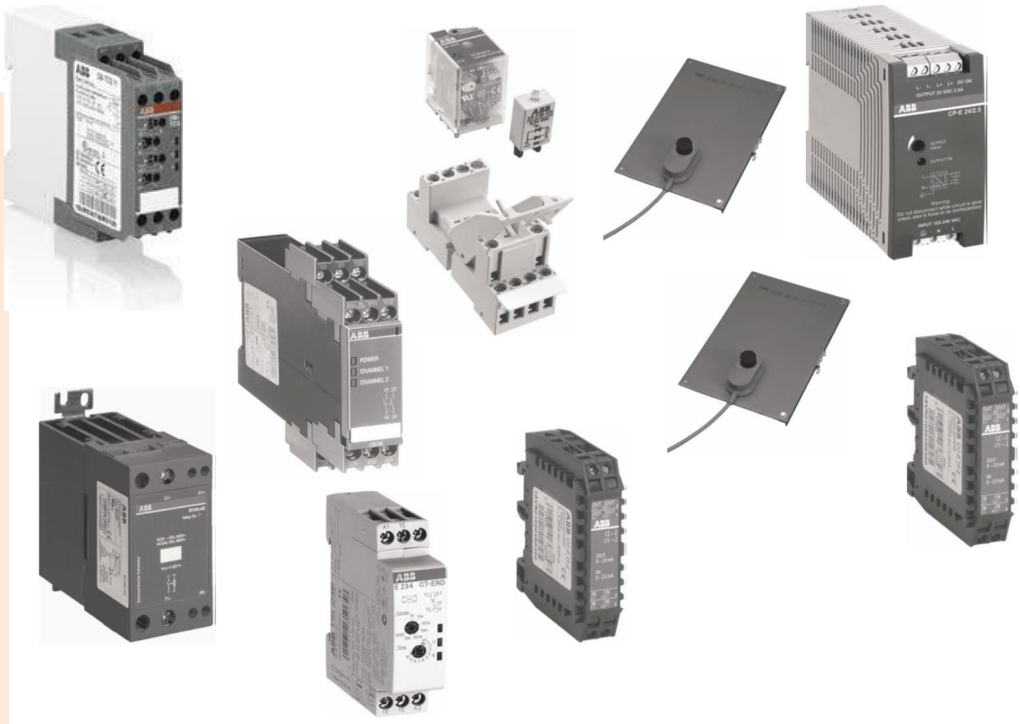
ELECTRONICS PRODUCTS & RELAYS

Electronic Timer

Electronic Measuring & Monitoring unit
Safety Relays
Primary Switch Mode Power Supplies
Analog Signal Converters
Serial Data Converter
Interface Relays & Opto Couplers

Semiconductor Solid-state Relays

Panel Heaters
Logic Relays & Displays



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