



PRICE LIST

for

LT Switchgear & Controlgear Products

w.e.f. 01.04.2021

LT Air Break Contactor

Mini Contactor

Bi-Metal Overload Relay

Electronic / Digital / Intelligent Motor Protection Relay

Moulded Case Circuit Breaker

LT Air Circuit Breaker

Manual Motor Starter [MPCB]

Miniature Circuit Breaker

CONTROL ENGINEING CO.

CECO ELECTRONICS PVT. LTD.

3 POLE CONTACTOR

AC1	AC3 415V		
Duty	Long Life		
A	kW	HP	A
25	3		
25	4	5	9
25	5.5	7.5	12
32	7.5	10	18
25	4	5	9
27	5.5	7.5	12
32	7.5	10	18
45	11	15	22
55	15	20	32
60	18.5	30	40
100	22	40	50
115	30	50	65
125	37	50	75
135	45	60	85
160	55	75	105
160	60	75	130
210	75	100	150
230	90	125	185
275	132	150	225
300	147	200	265
350	160	250	330
450	200	300	400
580	265	400	500
660	330	500	630
900	400	600	800

WITH AC COIL		
Auxiliary Contacts	Type	Unit Price (Rs.)
1NO/1NC	MC-6a	875
1NO/1NC	MC-9a	900
1NO/1NC	MC-12a	990
1NO/1NC	MC-18a	1,170
1NO+1NC	MC-9b	990
1NO+1NC	MC-12b	1,070
1NO+1NC	MC-18b	1,280
1NO+1NC	MC-22b	1,440
1NO+1NC	MC-32a	3,250
2NO+2NC	MC-40a	4,960
2NO+2NC	MC-50a	6,000
2NO+2NC	MC-65a	7,900
2NO+2NC	MC-75a	9,500
2NO+2NC	MC-85a	10,400
2NO+2NC	MC-100a	13,500
2NO+2NC	MC-130a	17,100
2NO+2NC	MC-150a	20,700
2NO+2NC	MC-185a	25,200
2NO+2NC	MC-225a	27,500
2NO+2NC	MC-265a	32,400
2NO+2NC	MC-330a	38,700
2NO+2NC	MC-400a	45,000
2NO+2NC	MC-500a	72,900
2NO+2NC	MC-630a	93,500
2NO+2NC	MC-800a	1,62,800

WITH DC COIL		
Auxiliary Contacts	Type	Unit Price (Rs.)
1NO/1NC	MC-6a	1,480
1NO/1NC	MC-9a	1,560
1NO/1NC	MC-12a	1,890
1NO/1NC	MC-18a	3,000
1NO+1NC	MC-9b	1,620
1NO+1NC	MC-12b	1,820
1NO+1NC	MC-18b	2,600
1NO+1NC	MC-22b	3,500
1NO+1NC	MC-32a	5,250
2NO+2NC	MC-40a	6,000
2NO+2NC	MC-50a	9,000
2NO+2NC	MC-65a	9,900
2NO+2NC	MC-75a	11,500
2NO+2NC	MC-85a	12,500
2NO+2NC	MC-100a	15,500
2NO+2NC	MC-130a	18,000
2NO+2NC	MC-150a	22,000

CONTACTORS OF 185A AND ABOVE HAS COMMON COIL FOR AC / DC. HENCE, PRICES ARE SAME AS AC CONTACTORS.

1] For MC-9~85, AC 50/60Hz. Coil voltage available are 24, 48, 110, 220, 240, 380, 415, 440, 500 and 550V AC. [2] For MC-9~85, Rs. 50/- shall be charged extra for each special coil voltage of 42, 100V. [3] For MC-9~85, AC 50/60Hz. Coil voltage available are 24, 48, 110, 220 and 250V DC. Any non-standard coil voltage like 12, 20, 60, 80, 100, 125 and 200V DC shall attract additional price of Rs. 50/- each [4] For 3 pole and 4 pole Contactor MC-9a~22a with WIDE BAND COIL, Rs. 50/- shall be charged extra. For 3 pole and 4 pole contactor MC-32a & 40a with WIDE BAND COIL, Rs. 60/- shall be charged extra. For 3 pole and 4 pole contactor MC-50a~100a with WIDE BAND COIL, Rs. 200/- shall be charged extra. [5] For MC-100a~150a, AC 50/60Hz. Coil voltage shall be available 24, 48, 100/200, 400 and 500V AC. Rs. 60/- each shall be charged extra for coil voltage of 300V. [6] For MC-185a~400a AC 50/60Hz. Coil voltages shall be 110/200, 400 and 500V AC. Rs. 100/- each shall be charged extra for coil voltage of 300V. [7] For MC-500a~800a AC 50/60Hz. Coil voltages shall be 100, 200, 400 and 500V AC. Rs. 120/- each shall be charged extra for coil voltage of 300V. [8] 3 pole contactors from MC-185a~800a and 4 pole contactors from MC-100a/4~800a/4 shall have AC/DC common coil.

4 POLE CONTACTOR

WITH AC COIL			
Type	Rated Current (415V)		Unit Price (Rs.)
	AC1	AC3	
MC-9a/4	25	9	1,190
MC-12a/4	25	12	1,300
MC-18a/4	40	18	1,700
MC-22a/4	40	22	1,890
MC-32a/4	50	32	2,900

WITH DC COIL			
Type	Rated Current (415V)		Unit Price (Rs.)
	AC1	AC3	
MC-9a/4	25	9	2,090
MC-12a/4	25	12	2,700
MC-18a/4	40	18	4,000
MC-22a/4	40	22	5,400
MC-32a/4	50	32	7,300

4 POLE CONTACTOR

WITH AC COIL			
Type	Rated Current (415V)		Unit Price (Rs.)
	AC1	AC3	
MC-40a/4	60	40	4,500
MC-50a/4	80	50	6,400
MC-65a/4	100	65	8,100
MC-75a/4	110	75	9,450
MC-85a/4	135	85	10,400
MC-100a/4	160	105	19,800
MC-130a/4	165	130	20,800
MC-150a/4	250	150	22,500
MC-185a/4	300	185	32,500
MC-225a/4	330	225	40,500
MC-265a/4	360	265	45,000
MC-330a/4	420	330	50,400
MC-400a/4	500	400	56,000
MC-500a/4	630	500	94,500
MC-630a/4	750	630	99,000
MC-800a/4	900	800	1,70,000

PLEASE SPECIFY COIL VOLTAGE WHILE PLACING ORDER

AC1 ratings for 4 Pole Contactors from 100A rating onwards have been revised upwards, as shown above. However, contactors with old AC1 ratings also shall be available till the stock lasts.

CAPACITOR DUTY CONTACTOR

Type	Max. Operating Power at kVAR	Rated Current	Unit Price (Rs.)
MC-9a / 9b (D)	9.7	14A	1,900
MC-12a / 12b (D)	12.5	18A	2,050
MC-18a / 18b (D)	16.7	24A	2,850
MC-22b (D)	18	26A	3,250
MC-32a (D)	25	36A	3,700

PLEASE SPECIFY COIL VOLTAGE WHILE PLACING ORDER

2 POLE AC CONTACTOR

Type	Rated Current (415V)		Unit Price (Rs.)
	Ith	AC3	
GMC-10P2	20A	8A	1,060
GMC-20P2	30A	17A	1,200
GMC-25P2	35A	21A	1,440
GMC-30P2	40A	23A	1,600
GMC-35P2	45A	26A	1,800
GMC-40P2	50A	32A	2,100

2 Pole AC Contactors are available with coil voltage 24V, 48V, 110V, 220V AC 50/60Hz.

2 Pole DC Contactors available with 48V, 110V, 220V, 240V, 415V AC 50/60Hz. OR 24V, 48V, 110V, 220V DC

4 POLE CONTACTOR

WITH DC COIL			
Type	Rated Current (415V)		Unit Price (Rs.)
	AC1	AC3	
MC-40a/4	60	40	7,600
MC-50a/4	80	50	11,500
MC-65a/4	100	65	12,000
MC-75a/4	110	75	14,500
MC-85a/4	135	85	16,000

CONTACTORS OF 100A AND ABOVE HAS COMMON COIL FOR AC / DC. HENCE PRICES ARE SAME AS 4 POLE AC CONTACTORS

CAPACITOR DUTY CONTACTOR

Type	Max. Operating Power at kVAR	Rated Current	Unit Price (Rs.)
MC-40a (D)	33.3	48A	5,700
MC-50a (D)	40	58A	9,500
MC-65a (D)	45.7	66A	10,000
MC-75a (D)	54	78A	10,900
MC-85a (D)	60	92A	12,000
MC-100a (D)	60	92A	12,900

PRICE OF 2 POLE DC CONTACTOR WITH AC & DC COIL SHALL BE PROVIDED ON REQUEST.

CONTROL RELAY WITH AC COIL

Auxiliary Contact Combination	Type	Unit Price
4NO, 3NO+1NC, 2NO+2NC, 1NO+3NC, 4NC	MR-4	1,070
6NO, 5NO+1NC, 4NO+2NC, 3NO+3NC, 2NO+4NC	MR-6	1,340
8NO, 7NO+1NC, 6NO+2NC, 4NO+4NC	MR-8	1,580

CONTROL RELAY WITH DC COIL

Auxiliary Contact Combination	Type	Unit Price
6NO, 5NO+1NC, 4NO+2NC, 3NO+3NC, 2NO+4NC	MR-4D	1,500
6NO, 5NO+1NC, 4NO+2NC, 3NO+3NC, 2NO+4NC	MR-6D	1,740
8NO, 7NO+1NC, 6NO+2NC, 4NO+4NC	MR-8D	1,980

PLEASE SPECIFY COIL VOLTAGE WHILE PLACING ORDER

Contactor with AC coil shall be available for 24V, 42V, 48V, 110V, 220V, 240V, 380V, 400V, 415V, 500V and 550V AC.

Contactor with DC coil shall be available with 24V, 48V, 110V, 220V and 250V DC.

Rs. 50/- each shall be charged for special coil like 42V, 100V AC and 12V, 20V, 60V, 80V, 100V, 125V and 200V DC.

ACCESSORIES FOR CONTACTORS**Top Mounting Add-On Block**

Type	Pole	Contact Combination	Suitable Contactor	Unit Price (Rs.)
UA-2	2	2NO, 1NO+1NC, 2NC	MC-9 ~ MC85	280
UA-4	4	4NO, 3NO+1NC, 2NO+ 2NC, 1NO+3NC, 4NC		400

Side Mounting Add-On Block

Type	Pole	Contact Combination	Suitable Contactor	Unit Price (Rs.)
UA-1	2	1NO+1NC	MC-9~85	400
AU-100		1NO+1NC	MC-100~800	530
AU-100E		1NO+1NC	MC-100~800	1,000

MR, MR(D) Control Relays can be provided with only TOP mounting Add-On Blocks. MC-9a/b~150a (both AC/DC) can have both FRONT and SIDE mounting Add-On Blocks. MC-185a~800A (both AC/DC) can have only SIDE mounting Add-On Blocks.

Mechanical Interlock

Used for Contactor	Type	Unit Price (Rs.)
MC-9~85a	AR-9	400
MC-9~85a	UR-2	530
MC-100~150a	UR-2	530
MC-185~400a	AR-180	2,000
MC-500~800a	AR-600	26,500

Delayed Opening Device

Used for Contactor	Type	Unit Price (Rs.)
MC-9~40a	AD-9	5,600
MC-50~100a	AD-50	6,200
MC-130~225a	AD-100	8,400
MC-265~400a	AD-300	9,900
MC-500~800a	AD-600	12,000

Mechanical Latch

Used for Contactor	Type	Unit Price (Rs.)
MC-6~40a	ML-65	1,600
MC-50, 65a	ML-65	1,600
MC-75~100a	ML-150	2,450
MC-185a, 225a	AL-220	7,200
MC-265~400a	AL-400	8,100

Contact Set

Description	Unit Price
Main Cont. set for MC-9a/b	540
Main Cont. set for MC-12a/b	690
Main Cont. set for MC-18a/b	760
Main Cont. set for MC-22b	790
Main Cont. set for MC-32a	1,710
Main Cont. set for MC-40a	2,430
Main Cont. set for MC-50a	3,000

Contact Set

Description	Unit Price
Main Cont. set for MC-65a	4,150
Main Cont. set for MC-75a	4,750
Main Cont. set for MC-85a	5,700
Main Cont. set for MC-100a	6,600
Main Cont. set for MC-130a	8,500
Main Cont. set for MC-150a	12,000
Main Cont. set for MC-185a	14,000

Contact Set

Description	Unit Price
Main Cont. set for MC-225a	16,500
Main Cont. set for MC-265a	19,000
Main Cont. set for MC-330a	21,000
Main Cont. set for MC-400a	26,050
Main Cont. set for MC-500a	36,000
Main Cont. set for MC-630a	54,000
Main Cont. set for MC-800a	81,000

Surge Absorber

Suitable Contactor	Coil Voltage	Type	Unit Price (Rs.)
MC-9~150a	AC/DC 24~48V	US-11/AS-11	430
	AC/DC 100~125V	US-12	430
	AC/DC 200~240V	US-13	430
	AC 380~440V	US-14	430

Spare AC Coil

Suitable Contactor	Unit Price (Rs.)
MC-9a/b ~ 22b	450
MC-32a, 40a	980
MC-50a, 65a	1,350
MC-75a, 85a	1,600

Spare DC Coil

Suitable Contactor	Unit Price (Rs.)
MC-9a/b ~ 22b	650
MC-32a, 40a	800
MC-50a, 65a	1,800
MC-75a~100a	2,700

Surge Absorber

Suitable Contactor	Coil Voltage	Type	Unit Price (Rs.)
MC-9~150a	AC 100~125V	US-22	430
	DC 24~48V	US-4	430
	DC 100~125V	US-5	430
	DC 200~220V	US-6	430
	AC/DC 24~48V	US-1	430
	AC/DC 100~125V	US-2	430
	AC/DC 200~240V	US-3	430

Spare AC Coil

Suitable Contactor	Unit Price (Rs.)
MC-100a	1,600
MC-130a, 150a	4,600
MC-185a, 225a	5,940
MC-265a~400a	6,900
MC-500a~800a	16,200

Spare DC Coil

Suitable Contactor	Unit Price (Rs.)
MC-130a, 150a	5,350
MC-185a, 225a	5,940
MC-265a~400a	6,900
MC-500a~800a	16,200

BIMETAL OVERLOAD RELAY [Differential type with PHASE FAILURE protection]

Setting Range	Type	Unit Price	Applied Contactor
0.12~0.16	MT-12/3K	1,320	MC-6~18a
0.16~0.25		1,320	
0.25~0.4		1,320	
0.4~0.63		1,320	
0.63~1		1,320	
1~1.6		1,320	
1.6~2.5		1,320	
2.5~4		1,320	
4~6		1,320	
5~8		1,340	
6~9		1,340	
7~10		1,340	
9~13		1,350	
12~18		1,350	

Setting Range	Type	Unit Price	Applied Contactor
0.12~0.16	MT-32/3K	1,530	MC-9b ~ 40a
0.16~0.25		1,530	
0.25~0.4		1,530	
0.4~0.63		1,530	
0.63~1		1,530	
1~1.6		1,530	
1.6~2.5		1,530	
2.5~4		1,540	
4~6		1,540	
5~8		1,540	
6~9		1,540	
7~10		1,540	
9~13		1,540	
12~18		1,540	
16~22		1,540	
18~25		1,540	
22~32		1,890	
28~40		2,100	

Setting Range	Type	Unit Price	Applied Contactor
4~6	MT-63/3K	2,600	MC-50, MC-65a
5~8		2,600	
6~9		2,600	
7~10		2,600	
9~13		2,600	
12~18		2,600	
16~22		2,600	
18~25		2,600	
24~36		2,600	
28~40		2,600	
34~50		2,600	
45~65		3,000	

Setting Range	Type	Unit Price	Applied Contactor
7~10	MT-95/3K	4,400	MC-75~100a
9~13		4,400	
12~18		4,400	
16~22		4,400	
18~25		4,400	
24~36		4,400	
28~40		4,400	
34~50		4,400	
45~65		4,400	
54~75		4,400	
63~85		4,400	
70~95		4,700	
80~100	4,700		

Setting Range	Type	Unit Price	Applied Contactor
34~50	MT-150/3K	6,480	MC-130, MC-150a
45~65		6,480	
54~75		6,480	
63~85		6,480	
80~105		6,480	
95~130		6,480	
110~150	6,480		

Setting Range	Type	Unit Price	Applied Contactor
65~100	MT-225/3K	POR	MC-185a, MC-225a
85~125		POR	
100~160		POR	
120~185		POR	
160~240		POR	

BIMETAL OVERLOAD RELAY [Differential type with PHASE FAILURE protection]

Setting Range	Type	Unit Price	Applied Contactor
85~125	MT-400/3K	POR	MC-265~400a
100~160		POR	
120~185		POR	
160~240		POR	
200~300		POR	
260~400		POR	

Setting Range	Type	Unit Price	Applied Contactor
200~300	MT-800/3K	POR	MC-500~800a
260~400		POR	
400~600		POR	
520~800		POR	
		POR	

Note : All relay have 1NO+1NC trip contacts. Non-Differential type Relays are also available on request.

Separate Mounting Kit for O/L

Used for O/L Relay	Type	Unit Price
MT-12	UZ-12	300
MT-32	UZ-32	310
MT-63	UZ-63/S	440
MT-95	UZ-95/S	580
MT-150	UZ-150/S	1,150

Remote Reset Unit

Used for O/L Relay	Type	Unit Price
MT-12	UM-4R	2,800

MINI CONTACTOR

AC1	AC3 415V		
Duty	Long Life		
A	kW	HP	A
25	2.2	3	6
25	4	5	9
25	5.5	7.5	12
32	7.5	10	16

WITH AC COIL		
Auxiliary Contacts	Type	Unit Price (Rs.)
1NO/1NC	GMC-6M	1,100
1NO/1NC	GMC-9M	1,200
1NO/1NC	GMC-12M	1,250
1NO/1NC	GMC-16M	1,400

WITH DC COIL		
Auxiliary Contacts	Type	Unit Price (Rs.)
1NO/1NC	GMC-6MD	1,550
1NO/1NC	GMC-9MD	1,600
1NO/1NC	GMC-12MD	1,650
1NO/1NC	GMC-16MD	1,800

Coil voltage available are 24, 42, 48, 110, 220, 240, 300, 380, 415, 500 and 550V AC. OR 24, 48, 110, 220,240 and 250V DC

Special coils like 42, 127, 300V AC or 12, 20, 36, 42, 60, 72, 125V DC shall attract additional price of Rs. 40/- each coil.

PLEASE SPECIFY COIL VOLTAGE WHILE PLACING ORDER.

Control Relay for Mini Contactor

With AC Coil	
Type	Unit Price
GMR-4M	1,200

With DC Coil	
Type	Unit Price
GMR-4MD	1,580

Accessories for Mini Contactor

Top Mounting Add-On Block				
Type	Pole	Contact Combination	Suitable Contactor	Unit Price (Rs.)
AU-2M	2	2NO, 1NO+1NC, 2NC	GMC-6M	425
AU-4M	4	4NO, 3NO+1NC, 2NO+2NC, 1NO+3NC, 4NC	~	650
			GMC-16M	650

Side Mounting Add-On Block				
Type	Pole	Contact Combination	Suitable Contactor	Unit Price (Rs.)
AU-1M	2	1NO / 1NC	GMC-6M~16M	360

Mechanical Interlock

Used for Contactor	Type	Unit Price (Rs.)
GMC-6~16M	AR-12M	400
GMD-6~16M	(W)	400

Surge Absorber Unit

Used for Contactor	Type	Unit Price (Rs.)
GMC-6~16M	AS-12M	450
GMD-6~16M		450

Electronic Timer

Used for Contactor	Type	Unit Price (Rs.)
GMC-6~16M	AT-12M	2,100
GMD-6~16M		2,100

BIMETAL OVERLOAD RELAY for Mini Contactor

Separate Mounting Kit

Setting Range	Type	Unit Price	Applied Contactor
0.12~0.16	GTK-12M	1,600	GMC-6M~16M & GMD-6M~16M
0.16~0.25		1,600	
0.25~0.4		1,600	
0.4~0.63		1,600	
0.63~1		1,600	
1~1.6		1,600	
1.6~2.5		1,600	
2.5~4		1,600	
4~6		1,600	
5~8		1,600	
6~9		1,600	
7~10		1,600	
9~13		1,600	
12~18		1,720	

Type	Unit Price
AZ-12MH	450

Motor Protection Relay

Model	Current Range (A)	Protection Features										Relay Characteristi	Trip Indication	Unit Price (P. 1)
		OL	PL	LR	PU	PR	UL	ALT	GF	SC				
Electronic Motor Protection Relay														
GMP60-TE	0.5~6	#	#	#	-	-	-	-	-	-	-	D	LED	3,200
GMP60-TE	5~60	#	#	#	-	-	-	-	-	-	-	D	LED	3,400
GMP60-T	0.5~6	#	#	#	-	-	-	-	-	-	-	D	LED	3,500
GMP60-T	5~60	#	#	#	-	-	-	-	-	-	-	D	LED	3,600
GMP60-TD	5~60	#	#	#	-	-	-	-	-	-	-	D	LED	8,100
GMP60-TDA	5~60	#	#	#	-	-	-	-	-	-	-	D	LED	9,100
GMP60-3TN	5~60	#	#	#	#	-	-	-	-	#	-	D	LED	11,000
GMP60-3TNR	5~60	#	#	#	#	#	-	-	-	#	-	D	LED	12,000
GMP22-2S	0.3~1.5	#	#	#	-	-	-	-	-	-	-	I	LED	4,800
GMP22-2S	1 ~ 5	#	#	#	-	-	-	-	-	-	-	I	LED	4,800
GMP22-2S	4.4~22	#	#	#	-	-	-	-	-	-	-	I	LED	4,800
GMP22-3S	0.3~1.5	#	#	#	#	-	-	-	-	-	-	I	LED	5,100
GMP22-3S	1 ~ 5	#	#	#	#	-	-	-	-	-	-	I	LED	5,100
GMP22-3S	4.4~22	#	#	#	#	-	-	-	-	-	-	I	LED	5,100
GMP22-3SR	0.3~1.5	#	#	#	#	#	-	-	-	-	-	I	LED	6,120
GMP22-3SR	1 ~ 5	#	#	#	#	#	-	-	-	-	-	I	LED	6,120
GMP22-3SR	4.4~22	#	#	#	#	#	-	-	-	-	-	I	LED	6,120
GMP40-2S	4 ~ 20	#	#	#	-	-	-	-	-	-	-	I	LED	5,100
GMP40-2S	8 ~ 40	#	#	#	-	-	-	-	-	-	-	I	LED	5,100
GMP40-3S	4 ~ 20	#	#	#	#	-	-	-	-	-	-	I	LED	5,400
GMP40-3S	8 ~ 40	#	#	#	#	-	-	-	-	-	-	I	LED	5,400
GMP40-3SR	4 ~ 20	#	#	#	#	#	-	-	-	-	-	I	LED	6,000
GMP40-3SR	4 ~ 40	#	#	#	#	#	-	-	-	-	-	I	LED	6,000
GMP80-2S	16 ~ 80	#	#	#	-	-	-	-	-	-	-	I	LED	5,500
GMP80-3S	16 ~ 80	#	#	#	#	-	-	-	-	-	-	I	LED	6,200
GMP80-3SR	16 ~ 80	#	#	#	#	#	-	-	-	-	-	I	LED	6,500
Intelligent Motor Protection Relay														
IMP-C NO	0.5~100	#	#	#	#	#	#	#	#	#	#	I + D	S S D	19,000
IMP-C A420	0.5~100	#	#	#	#	#	#	#	#	#	#	I + D	S S D	21,000
IMP-C M485	0.5~100	#	#	#	#	#	#	#	#	#	#	I + D	S S D	21,000

Model	Current Range (A)	Protection Features								Relay Characteristics	Trip Indication	Unit Price (Rs.)	
		OL	PL	LR	PU	PR	UC	GF	INST				
Digital Motor Protection Relay													
DMP06i-S	0.5~6	●	●	●	●	●	●	●	—	—	I + D	S S D	14,800
DMP65i-S	5~65	●	●	●	●	●	●	●	—	—	I + D	S S D	14,800
DMP06i-SZ	0.5~6	●	●	●	●	●	●	●	●	—	I + D	S S D	15,000
DMP06i-SZI, SBI	0.5~6	●	●	●	●	●	●	●	●	●	I + D	S S D	19,200
DMP65i-SZ	5~65	●	●	●	●	●	●	●	●	—	I + D	S S D	15,000
DMP65i-SZI, SBI	5~65	●	●	●	●	●	●	●	●	●	I + D	S S D	19,200
DMP06i-SI	0.5~6	●	●	●	●	●	●	●	—	●	I + D	S S D	15,500
DMP65i-SI	5~65	●	●	●	●	●	●	●	—	●	I + D	S S D	15,500
DMP06i-T	0.5~6	●	●	●	●	●	●	●	—	—	I + D	S S D	14,800
DMP65i-T	5~65	●	●	●	●	●	●	●	—	—	I + D	S S D	14,800
DMP06i-TI	0.5~6	●	●	●	●	●	●	●	—	●	I + D	S S D	POR
DMP65i-TI	5~65	●	●	●	●	●	●	●	—	●	I + D	S S D	POR
DMP06i-TZ	0.5~6	●	●	●	●	●	●	●	●	—	I + D	S S D	POR
DMP06i-TZI, SBI	0.5~6	●	●	●	●	●	●	●	●	●	I + D	S S D	POR
DMP65i-TZ	5~65	●	●	●	●	●	●	●	●	—	I + D	S S D	POR
DMP65i-TZI, SBI	5~65	●	●	●	●	●	●	●	●	—	I + D	S S D	POR

Z-CT for DMPi

Model	CT Inner Dia	Unit Price
ZCT – D30	30mm	2,400
ZCT – D50	50mm	3,000
ZCT – D65	65mm	3,600
ZCT – D80	80mm	4,000

Communication Cable for DMPi

Description	Unit Price
1 Meter Length	1,210
1.5 Meter Length	1,350
2 Meter Length	1,510
4 Meter Length	2,110

Current Transformer		Unit Price
3 CT - 100	100/5 or 200/5	POR
3 CT - 400	300/5 or 400/5	POR
3 CT - 500	500/5 or 600/5	POR

CABLE LENGTH WITH 1.5 & 3 METER SHALL BE PROVIDED ON REQUEST

- If relay with Ground Fault protection is required, add the price of Z-CT [CBCT] considering the cable size diameter.
- Relay model GMP with current range 0.5~6 / 0.3~1.5 and DMP with current range 0.5~6A, can be used upto 600A with suitable ratio CTs having 5A secondary current, class 1 accuracy.

ABBREVIATIONS :

OL : Over Current, PL : Phase Loss, LR : Locked Rotor, PU : Phase Unbalance, PR : Phase Reverse, UL : Under Current, ALT : Alter [60~110%], GF : Ground Fault, SC : Short Circuit, I : Inverse Time, D : Definite Time, # : Available, - : Not available, LED : Red & Green, SSD : Seven Segment Display.

Manual Motor Starters

Type	Rated Operational Current (A)	Thermal Adjustable Range	Braking Capacity	Unit Price (Rs.)
MMS-32S (with Rocker Lever)	0.16	0.1~0.16	100	2,800
	0.25	0.16~0.25	100	2,800
	0.4	0.25~0.4	100	2,800
	0.63	0.4~0.63	100	2,850
	1	0.63~1	100	2,850
	1.6	1~1.6	100	2,900
	2.5	1.6~2.5	100	2,900

Type	Rated Operational Current (A)	Thermal Adjustable Range	Braking Capacity	Unit Price (Rs.)
MMS-32H (Rotary Handle) High Capacity	0.16	0.1~0.16	100	3,250
	0.25	0.16~0.25	100	3,250
	0.4	0.25~0.4	100	3,250
	0.63	0.4~0.63	100	3,650
	1	0.63~1	100	3,650
	1.6	1~1.6	100	3,750
	2.5	1.6~2.5	100	3,750

Type	Rated Operational Current (A)	Thermal Adjustable Range	Braking Capacity	Unit Price
MMS-32S (with Rocker Lever)	4	2.5~4	100	3,050
	6	4~6	100	3,050
	8	5~8	100	3,200
	10	6~10	50	3,200
	13	9~13	50	3,500
	17	11~17	50	3,500
	22	14~22	15	4,000
	26	18~26	15	4,250
	32	22~32	15	6,850
MMS-63S (Rotary Handle)	40	28~40	25	10,000
	50	34~50	25	12,000
	63	45~63	25	12,600
MMS-63HI (Mag. Rotary Handle) Instant.	40	—	50	POR
	50	—	50	POR
	63	—	50	POR
MMS-100HI (Mag. Rotary Handle) Inst.	75	—	75	POR
	90	—	75	POR
	100	—	75	POR

Type	Rated Operational Current (A)	Thermal Adjustable Range	Braking Capacity	Unit Price
MMS-32H [with Rotary Handle] High Capacity	4	2.5~4	100	3,800
	6	4~6	100	3,800
	8	5~8	100	4,000
	10	6~10	100	4,000
	13	9~13	100	4,250
	17	11~17	50	4,250
	22	14~22	50	5,100
	26	18~26	50	5,400
	32	22~32	50	9,000
MMS-63H (Rot. Handle) High Capacity	40	28~40	50	10,700
	50	34~50	50	12,500
	63	45~63	50	13,500
MMS-100S (Rotary Handle)	40	50~75	50	POR
	50	70~90	50	POR
	63	80~100	50	POR
MMS-100H (Rotary Handle) High Capacity	75	50~75	75	POR
	90	70~90	75	POR
	100	80~100	75	POR

Accessories of Manual Motor Starters

Description	Type	Unit Price
Front mounting Auxiliary Switch	FX	475
Side mounting Auxiliary Switch	LA	600
Trip Alarm Switch	LA	810
Magnetic Alarm Switch	LAM	840
Shunt Release	RS	1,800
Under Voltage Release	RU	1,800
Under Voltage Release with Switch	RUX	1,850
Push in Lug	PIL-32	100

Description	Type	Unit
Insulation Barrier	IB-100	400
Enclosure for 32AF		1,500
Extended Handle with Rotary Operating Mechanism	MEH-32, 115	1,000
	MEH-63, 115	1,020
	MEH-100, 115	1,050
	MEH-32, 315	1,200
	MEH-63, 315	1,250
	MEH-100, 315	1,280

MINIATURE CIRCUIT BREAKER

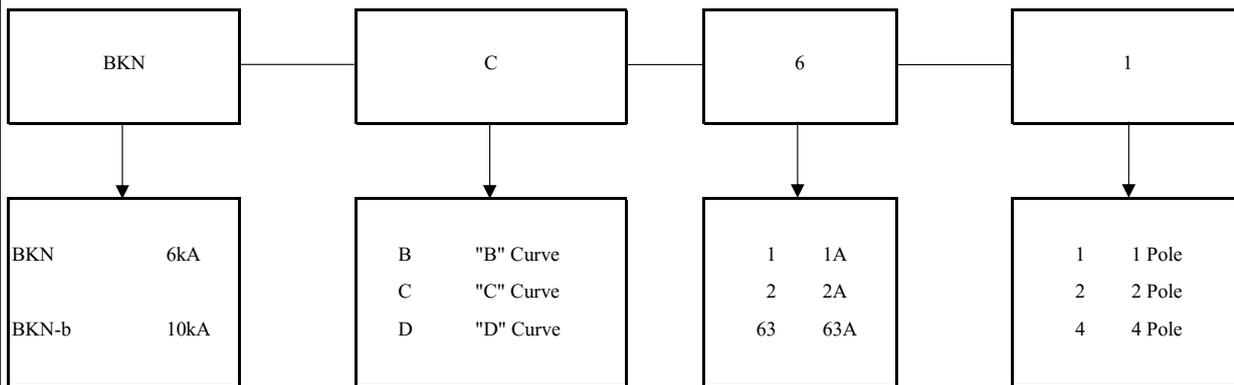
“BKN” series [Breaking Capacity = 6kA]

Rating	Unit Price (Rs.)			
	1 Pole	2 Pole	3 Pole	4 Pole
1 Amp	360	810	1,180	1,600
2 Amp	360	810	1,180	1,600
3 Amp	360	810	1,180	1,600
4 Amp	360	810	1,180	1,600
6 Amp	250	630	1,000	1,280
10 Amp	250	630	1,000	1,280
16 Amp	250	630	1,000	1,280
20 Amp	250	630	1,000	1,280
25 Amp	250	630	1,000	1,280
32 Amp	250	630	1,000	1,280
40 Amp	490	1,050	1,560	1,820
50 Amp	520	1,100	1,650	2,100
63 Amp	520	1,100	1,650	2,100

“BKN-b” series [Breaking Capacity = 10kA]

Rating	Unit Price (Rs.)			
	1 Pole	2 Pole	3 Pole	4 Pole
1 Amp	500	1,250	1,850	2,800
2 Amp	500	1,250	1,850	2,800
3 Amp	500	1,250	1,850	2,800
4 Amp	500	1,250	1,850	2,800
6 Amp	400	990	1,550	2,250
10 Amp	400	990	1,550	2,250
16 Amp	400	990	1,550	2,250
20 Amp	400	990	1,550	2,250
25 Amp	400	990	1,550	2,250
32 Amp	400	990	1,550	2,250
40 Amp	690	1,550	2,500	3,500
50 Amp	710	1,600	2,600	3,600
63 Amp	710	1,600	2,600	3,600

ORDERING INFORMATION OF MINIATURE CIRCUIT BREAKER



META-MEC SERIES MCCB (Range 16~800A, 600V)

Rated Breaking Capacity (Icu)	Rated Current (A)	3 Pole		4 Pole	
		Model	Unit Price	Model	Unit Price
10kA	5, 10, 15, 20, 30, 40, 50, 60, 75, 100A	ABE103b *	POR	ABE104b *	POR

PRICES OF 100A ABS-b , 200A ABE-b & ABS-b AND 400A ABE-b FRAME SIZES SHALL BE PROVIDED ON REQUEST

METASOL SERIES MCCB (Range 16~800A, 600V)

18kA	15, 20, 30, 40, 50, 60, 75, 100A	ABN103c *	3,900	ABN104c *	4,950
26kA	100A	ABN203c *	POR	ABN204c *	POR
	125A	ABN203c *	7,400	ABN204c *	10,500
	150A	ABN203c *	8,250	ABN204c *	10,900
	175A, 200A	ABN203c *	9,000	ABN204c *	11,500
	225A	ABN203c *	10,250	ABN204c *	12,500
	250A	ABN203c *	10,800	ABN204c *	15,000
37kA	15, 20, 30, 40, 50, 60, 75, 100A	ABS103c *	4,780	ABS104c *	7,000
	125A	ABS203c *	5,500	ABS204c *	7,500
	150A	ABS203c *	9,250	ABS204c *	11,400
	175A, 200A	ABS203c *	10,200	ABS204c *	12,500
	225A	ABS203c *	11,500	ABS204c *	14,500
	250A	ABS203c *	12,200	ABS204c *	15,000
	300A	ABN403c *	20,000	ABN404c *	25,500
	350A, 400A	ABN403c *	24,000	ABN404c *	27,000
	500A, 630A	ABN803c *	33,500	ABN804c *	39,000
	700A, 800A	ABN803c *	36,900	ABN804c *	45,000
50kA	15, 20, 30, 40, 50, 60, 75, 100A	ABH103c *	7,230	ABH104c *	9,900
	100A, 125A	ABH203c *	10,400	ABH204c *	12,500
	150A	ABH203c *	11,500	ABH204c *	14,500
	175A, 200A	ABH203c *	12,500	ABH204c *	18,000
	225A, 250A	ABH203c *	16,200	ABH204c *	20,000
	250A, 300A	ABS403c *	24,000	ABS404c *	30,000
	350A, 400A	ABS403c *	25,400	ABS404c *	32,000

Accessories for MCCBs

Suitable for use on MCCB	Unit Price (Rs.)					
	Shunt Trip	UV Trip Device	Switch		Handle	
			Auxiliary	Alarm	Rotary	Extended
ABE-103b, ABE-104b	POR	POR	POR	POR	POR	POR
ABN-103c, 104c	1,600	2,200	800	800	1,400	2,340
ABS/ABH-103c, 104c	1,600	2,200	800	800	1,400	2,340
ABE-203b, ABE-204b	POR	POR	POR	POR	POR	POR
ABN-203c/204c, ABS-203c, 204c/ABH-203c, 204c	1,600	2,200	800	800	1,700	3,200
ABE-403b, ABE-404b	POR	POR	POR	POR	POR	POR
ABN-403c/404c, ABS-403c/404c, ABH-403c/404c	2,820	4,250	1,700	1,600	4,000	4,500
ABE-803b, ABE-804b	POR	POR	POR	POR	POR	POR
ABN-803c/804c, ABS-803c/804c	2,950	4,250	1,700	1,600	5,000	5,200

Price of PLUG-IN type MCCBs are available on request.

PRICES OF TERMINAL COVER FOR METASOL SERIES CAN BE INFORMED ON REQUEST.

PRICES OF MECHANICAL INTERLOCK FOR METASOL SERIES CAN BE INFORMED ON REQUEST.

NOTE :

- [1] Shunt Trip Coil & UVT available in 24, 48, 110, 220 and 415V AC/DC [please mention required voltage]. 220V and 415V are standard stock items.
 [2] Single block for one Auxiliary Switch + one Alarm Switch available upto 225AF. [3] Rotary Handle for 100AF, 2 pole not available. [4] Rotary Handle for Horizontal [Left & Right] mounting also available on request.

SUSOL SERIES MCCB – exceptional current limiting device with double break contacts [Icu = Ics]

Rated Breaking Capacity (Icu)	Rated Current (A)	3 Pole		4 Pole	
		Model	Unit Price	Model	Unit
“FMU” Thermal Magnetic Release Adjustable Overload 80~100% Fixed Short Circuit					
50kA	10, 20, 25, 32, 40, 50, 63, 80, 100A	TD100N FMU * 3P3T	10,275	TD100N FMU * 4P4T	13,775
	100A, 125A	TS160N FMU * 3P3T	13,945	TS160N FMU * 4P4T	20,555
	160A	TS160N FMU 160 3P3T	18,330	TS160N FMU 160 4P4T	26,890
	125A, 160A, 200A	TS250N FMU * 3P3T	22,555	TS250N FMU * 4P4T	31,665
	250A	TS250N FMU 250 3P3T	29,555	TS250N FMU 250 4P4T	42,775
65kA	300A, 400A	TS400N FMU * 3P3T	32,775	TS400N FMU * 4P4T	43,890
	500A, 630A	TS630N FMU * 3P3T	38,890	TS630N FMU * 4P4T	55,555
	700A, 800A	TS800N FMU * 3P3T	55,775	TS800N FMU * 4P4T	78,890
“ATU” Thermal Magnetic Release Adjustable Overload 80~100% Adjustable Short Circuit 5~10 In					
50kA	100A, 125A	TS160N ATU * 3P3T	14,775	TS160N ATU * 4P4T	20,555
	160A	TS160N ATU 160 3P3T	19,110	TS160N ATU 160 4P4T	27,220
	125A, 160A, 200A	TS250N ATU * 3P3T	23,775	TS250N ATU * 4P4T	32,220
	250A	TS250N ATU 250 3P3T	30,665	TS250N ATU 250 4P4T	42,445
	300A, 400A	TS400N ATU * 3P3T	33,890	TS400N ATU * 4P4T	43,890
65kA	500A, 630A	TS630N ATU * 3P3T	41,665	TS630N ATU * 4P4T	54,665
	700A, 800A	TS800N ATU * 3P3T	61,555	TS800N ATU * 4P4T	80,220
	“ETS” Microprocessor based Release Adjustable Overload 40~100% Adjustable Short Circuit 1.5~10 In				
50kA	40A, 80A	TS160N ETS * 3P3T	26,020	TS160N ETS * 4P4T	31,000
	40A, 80A, 160A	TS160N ETS * 3P3T	26,130	TS160N ETS * 4P4T	31,110
	40A, 80A, 160A, 250A	TS250N ETS * 3P3T	36,110	TS250N ETS * 4P4T	42,555

Rated Breaking Capacity (Icu)	Rated Current (A)	3 Pole		4 Pole	
		Model	Unit Price	Model	Unit
“ETS” Microprocessor based Release Adjustable Overload 40~100% Adjustable Short Circuit 1.5~10 In					
65kA	160A, 250A, 400A	TS400N ETS * 3P3T	36,890	TS400N ETS * 4P4T	48,730
	160A, 250A, 400A, 630A	TS630N ETS * 3P3T	47,720	TS630N ETS * 4P4T	61,500
	630A, 800A	TS800N ETS * 3P3T	70,945	TS800N ETS * 4P4T	90,000

While placing order, replace * by RATED CURRENT required.

ACCESSORIES FOR SUSOL SERIES MCCB

Electrical Auxiliaries		
Description	Model	Unit Price
Auxiliary Switch	AX-T	1,445
Alarm Switch	AL-T	1,445
Fault Alarm Switch	FAL-T	1,445
Shunt Trip Coil	ST-T *	3,280
UVT Coil	UV-T *	4,615

Specify coil voltage [12, 24, 48, 110, 220V AC/DC and 115V AC]. 220V and 415V are stock item.

Rotary Handle		
Suitable for MCCB	Model	Unit Price
TD-100	DH-1	2,370
TS-100, 160 & 250	DH-2	2,615
TS-400 & 630	DH-3	5,055
TS-800	DH-4	5,950

Rotary Handle with Key Lock is also available.

Padlocking Devices		
Suitable for MCCB	Model	Unit Price
TD-100/160	PHL-1	1,435
TS-160/250	PHL-2	1,500
TS-400/630	PHL-3	2,445
TS-800	PHL-4	2,615
TD-100/160	PL-1	845
TS-160/250	PL-2	935
TS-400/630	PL-3	1,225
TS-800	PL-4	1,225

PHL- Fixed type PL- Removable type

Spreader Link			
Suitable for MCCB	Pole	Type	Unit Price (Rs.)
TD-100/160	3	SP-13	POR
	4	SP-14	POR
TS-160/250	3	SP-23	POR
	4	SP-24	POR
TS-400/630	3	SPS-33a	POR
	4	SPS-34a	POR
TS-800	3	SPS-43a	POR
	4	SPS-44a	POR

Motor Operating Unit			
Suitable for MCCB	Type	Control Voltage	Unit Price (Rs.)
TD-100/160	MOP-1	100~200V AC, 24VDC 100V & 220VDC	20,890
TS-160/250	MOP-2	100~110V AC, 230VAC 24V DC & 220VDC	30,000
TS-400/630	MOP-3	100~200V AC, 230VAC 24V DC & 220VDC	46,445
TS-800	MOP-4	100~110V AC, 230VAC 24V DC & 220VDC	55,555

NOTE : SUSOL MCCBs are also available with multi-function Electronic Release having Overload, Short Circuit, Earth Fault and also with Ammeter, Zone Selection and Communication facility.

“METASOL” Series Air Circuit Breaker

[1] Manufactured as per IEC 60947-2. [2] From 630~6300A available in 4 Frame sizes. [3] Minimum short circuit breaking capacity 65kA and maximum 120kA. [4] No derating at 60°C Ambient upto 1600A and no derating at 50°C for higher rated ACBs. [5] 4 different types of trip relays available including communication facilities like Mod-Bus and Profibus-DP. [6] For 4 pole ACB all 4 poles are of equal current carrying capacity.

METASOL SERIES ACB PRICES WITH ITS ACCESSORIES, SHALL BE PROVIDED ON REQUEST.

GENERAL TERMS & CONDITIONS :

PRICE Prices are subject to revision / change without prior notice, and will be applicable prevailing at the time of dispatch. Further, prices are F.O.R. Destination Station basis by road by companies authorized transporters.

WARRANTY All our list products carry a warranty against manufacturing defects for a period of 12 [Twelve] months from the date of dispatch, subject to its usages in normal recommended operating conditions.

Authorized Sales & Service Partner of  Electric Co., Ltd. in India

HEAD OFFICE : 18, R. N. Mukherjee Road, 9th Floor, Kolkata - 700 001
Phone No. 033 2248 0192
Fax No. 033 2248 9721
E-Mail cecokolkata@gmail.com
Visit us www.cecoelectronics.com

BRANCHES :

Ahmedabad	cecoahd@cecoelectronics.in
Asansol	cecokolkata@gmail.com
Bangalore	manjunatha.dk@gmail.com
Chennai	chennaiceco@gmail.com
Delhi	cecodehli@cecoelectronics.in
Hyderabad	cecohyd1@gmail.com
Mumbai	mumbaiceco@gmail.com
Pune	cecopune1@gmail.com