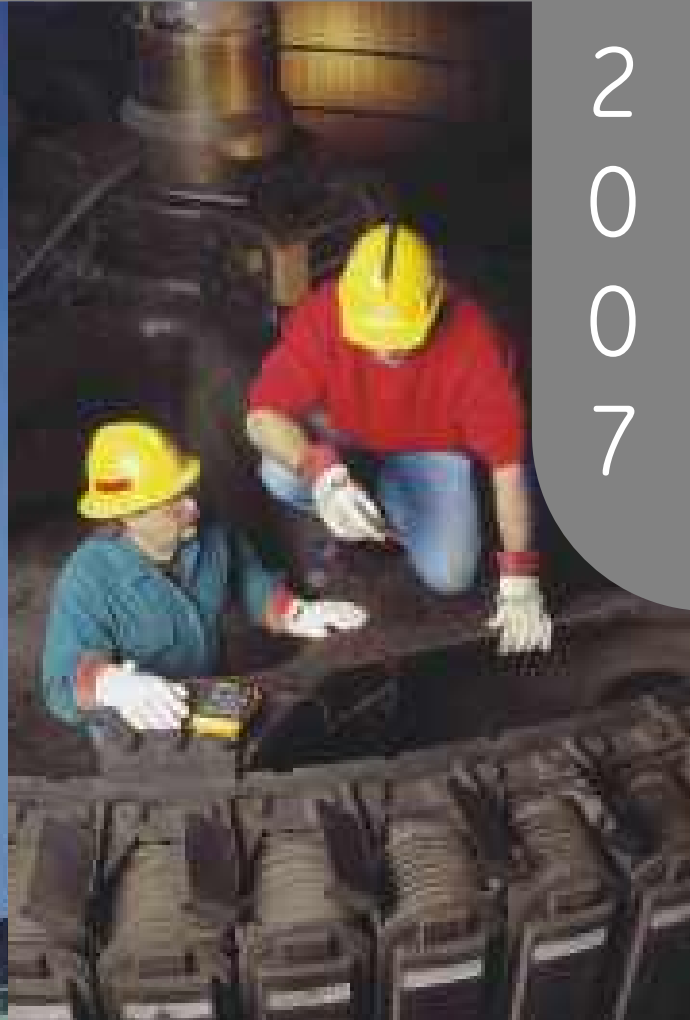


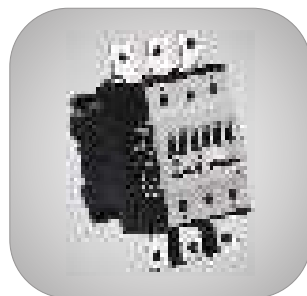
GE  
Consumer & Industrial

# Low Voltage Switchgear

Price List effective from 28-12-07



2  
0  
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7



GE imagination at work

## Solutions that make a difference...

At GE Consumer & Industrial we are quite aware of this. Our aim is at enhancing the quality of industrial output by offering new generation products and process. We have lot to offer right from products to services, changing the way people live and work. Our comprehensive and innovative solutions meet our customer's challenges in Power, Lighting & Protection addressing across segments that include Core & Commercial Infrastructure, OEMs, Utilities or Industries.



## Warranty Policy

Product manufactured by us are warranted by us against defects arising out of manufacturing processes or use of defective raw materials, for a period of 18months \* from the date of supply or 12 months from the date of installation which ever is earlier. The company reserves the right to either replace or repair the defective items after ascertaining the facts through a detailed service report on usage of our products in normal conditions. The company reserves the right to take back the defective goods for carrying out study or inspection.

Warranty is not applicable if the products are found tampered with or subjected to calibration changes. The company's liability is limited to repair or replace the defective product only. The manufacturer shall not be liable for any consequential loss, injury or damages attributable to defect or failure of its products.

The warranty period for all products shall be as indicated above with the exceptions of MCB & Capacitors. The warranty periods applicable for these products are as under.

MCB: The warranty period for MCB is 3 years from the date of supply. The warranty extends when the MCBs are installed and used in GE make Distribution boards.

Capacitors: Type APP & Mixed Dielectric Capacitors are warranted for a period of 2 years from the date of supply.

Product improvement is a continuous processes and technical details applicable for the products are only those mentioned on the product.

Any dispute arising in this regard shall be subjected to jurisdiction of courts in Bangalore, in the state of Karnataka, India.

All other warranty terms for MCB and Capacitors remain unchanged.

The prices mentioned in the price list are the maximum prices and the product may be sold at lower prices also.

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*Prices ex-warehouse.*

*Inclusive of Excise Duty and exclusive of all other Taxes and Duties. Subject to alteration without notice.*

*Part numbers listed are for internal purpose and are subjected to change. Prices applicable as ruling at the time of invoicing*

### ▪ **Stock Items**



Motor Feeders 415V - DOL Starting - Type 2 coordination as per IS 13947

MOTOR		MOTOR		SWITCH FUSE		HBC FUSE		CONTACTOR		O/L RELAY	
KW	HP	FLC Amps	Type	Rating Amps	Type	Rating Amps	Type	Rating Amps	Type	Rating Amps	
0.37	0.5	1.1	SP32	32	EIT4	4	CL00	9	RT0G	1.0-1.5	
0.55	0.75	1.5	SP32	32	EIT4	4	CL00	9	RT0G	1.0-1.5	
0.75	1	2	SP32	32	EIT4	4	CL00	9	RT0J	1.5-2.2	
1.1	1.5	2.5	SP32	32	EIT6	6	CL00	9	RT1J	1.8-2.7	
1.5	2	3.4	SP32	32	EIT10	10	CL00	9	RT0K	3.2-4.8	
2.2	3	4.5	SP32	32	EIT10	10	CL00	9	RT0L	4.7-7	
3	4	6.2	SP32	32	EIT16	16	CL00	9	RT0M	6.7-10	
3.7	5	7.3	SP32	32	EIT16	16	CL00	9	RT0M	6.7-10	
5.5	7.5	11	SP32	32	EIT20	20	CL01	12	RT0P	10-15	
7.5	10	14	SP32	32	EIT32	32	CL02	18	RT0P	10-15	
9.3	12.5	19	SP63	63	EIT32	32	CL25	52	RT0U	19-28	
11	15	21	SP63	63	EIT50	50	CL25	25	RT0U	19-28	
15	20	28	SP63	63	EIT63	63	CL04	32	RT1V	25-32	
18.5	25	35	SP100	100	TSD80	80	CL45	40	RT1W	30-40	
22	30	40	SP100	100	TSD80	80	CL45	40	RT2E	30-43	
30	40	55	SP03	125	TSDS100	100	CL07	65	RT2H	54-65	
37	50	66	SP03	125	TSDS100	100	CL07	65	RT2J	64-82	
45	60	80	SP160	160	TSFP160	160	CL08	80	RT2J	64-82	
50	66	88	SP160	160	TSFP160	160	CL09	95	RT2L	78-97	
55	75	100	SP05	250	TSF200	200	CL10	105	RT2M	90-110	
75	100	135	SP05	250	TSF250	250	CL13	140	RT3E*	110-140	
90	125	165	SP05	250	TSF250	250	CK08	185	RT3F*	140-190	
110	150	200	SP06	315	TSK315	315	CK85	205	RT4P*	175-280	
132	180	230	SP07	400	TSMS400	400	CK09	250	RT4LP*	175-280	
160	215	285	SP07	400	TSMS400	400	CK95	309	RT4LR*	200-310	
200	270	350	CMM	400	TSMS400	400	CK10	420	RT5LD*	315-500	
250	335	437	CMM	630	TST500	500	CK11	550	RT5LD*	315-500	
315	430	530	CMM	630	TST560	560	CK11	550	RT5LE*	430-700	
355	480	600	CMM	630	TST630	630	CK12	700	RT5LE*	430-700	
450	600	750	CMM	800	TST800	800	CK13	825	RT6LA*	500-850	

Motor Feeders 415V - Star Delta Starting - Type 2 coordination as per IS 13947

MOTOR		MOTOR		SWITCH FUSE		HBC FUSE		CONTACTOR (Star)		CONTACTOR (Delta)		O/L RELAY	
KW	HP	Line Amps	Phase Amps	Type	Rating Amps	Type	Rating Amps	Type	Rating Amps	Type	Rating Amps	Type	Rating Amps
2.2	3	4.8	2.8	SP32	32	EIT6	6	CL00	9	CL00	9	RT0H	2.2-3.3
3.7	5	7.8	4.5	SP32	32	EIT10	10	CL00	9	CL00	9	RT0K	3.2-4.8
5.5	7.5	11	6.5	SP32	32	EIT16	16	CL00	9	CL00	9	RT0L	4.7-7
7.5	10	14	8.1	SP32	32	EIT20	20	CL00	9	CL01	12	RT0M	6.7-10
9.3	12.5	18	10.4	SP32	32	EIT25	25	CL00	9	CL01	12	RT0P	10-15
11	15	21	12.1	SP32	32	EIT25	25	CL01	12	CL02	18	RT0P	10-15
15	20	28	16.1	SP32	32	EIT32	32	CL02	18	CL25	25	RT0S	14-20
18.5	25	35	20.2	SP63	63	EIT50	50	CL02	18	CL25	25	RT1T	17.5-22
22	30	40	23	SP63	63	EIT50	50	CL25	25	CL03	25	RT1U	21-26
30	40	53	30.6	SP63	63	EIT63	63	CL04	25	CL45	40	RT1W	30-40
37	50	66	37.5	SP100	100	TSD80	80	CL04	32	CL06	50	RT1W	30-40
45	60	78	45	SP03	125	TSDS100	100	CL04	32	CL06	50	RT2G	42-55
55	75	100	58	SP03	125	TSDS100	100	CL45	40	CL07	65	RT2H	54-65
75	100	135	78	SP160	160	TSFP160	160	CL06	50	CL08	80	RT2J	64-82
90	125	165	95	SP160	160	TSFP160	160	CL08	80	CL10	105	RT2M	90-110
110	150	200	115	SP05	250	TSF250	200	CL08	80	CL13	130	RT3D	90-120
132	180	240	139	SP05	250	TSF250	250	CL09	95	CK75C	150	RT3E*	110-140
160	215	271	156	SP06	315	TSK315	315	CL13	140	CK08C	185	RT3F*	140-190
200	270	340	196	SP07	400	TSMS355	355	CK75C	150	CK85B	205	RT4LP*	175-280
250	335	398	243	CMM	630	TSMS400	400	CK08C	185	CK95B	309	RT4LP*	175-280
315	430	530	328	CMM	630	TSL560	560	CK85B	205	CK10C	420	RT5LC*	250-400
355	480	600	360	CMM	630	TSL630	630	CK85B	205	CK10C	420	RT5LC*	250-400
400	536	673	404	CMM	800	TSL750	750	CK10C	420	CK10C	420	RT5LD*	315-500
450	600	756	438	CMM	800	TST800	800	CK10C	420	CK11C	550	RT5LE*	430-700

Above overload relay ratings recommendation is for load with normal starting time. For long starting time please contact our nearest sales office\*



Type 2 Coordination - DOL 415V (50 kA)

Motor Rating KW/HP	Line Current @415V	Surion MPCB		Contactor	
	(A)	Type	(A)	Type	Rating (A)
0.55/0.75	1.5	GPS1BSAF	1.6	CL00	9
0.75/1	1.9	GPS1BSAG	2.0	CL00	9
1.1/1.5	2.5	GPS1BSAH	4.0	CL00	9
1.5/2	3.4	GPS1BSAH	4.0	CL25	25
2.2/3	4.8	GPS1BSAJ	6.3	CL25	25
3.7/5	7.7	GPS1BSAK	10	CL25	25
5.5/7.5	11.6	GPS1BSAL	13	CL25	25
7.5/10	14.4	GPS1BHAM	16	CL25	25
11/15	21.1	GPS1BHAP	25	CL25	25
15/20	28	GPS2BHAM	32	CL04	32
18.5/25	35	GPS2BHAS	40	CL45	40
22/30	41	GPS2BHAT	50	CL06	50
30/40	55	GPS2BHAU	63	CL07	65
37/50	60	GPS3BHAV	100	CL10	105
45/60	83	GPS3BHAV	100	CL10	105
55/75	99	GPS3BHAW	200	CK75C	150
75/100	136	GPS3BHAW	200	CK75C	150
90/125	162	GPS3BHAW	200	CK08C	185
110/150	200	GPS3BHAX	400	CK09B	250
132/180	231	GPS3BHAX	400	CK10C	420
150/203	263	GPS3BHAX	400	CK10C	420
160/215	281	GPS3BHAX	400	CK10C	420
185/250	324	GPS3BHAX	400	CK10C	420
200/270	354	GPS3BHAX	400	CK10C	420

Type 2 Coordination - Star Delta 415V (50 kA)

Motor Rating KW/HP	Line Current @415V	Phase Current @415V	Surion MPCB		Contactor	
	(A)	(A)	Type	(A)	Type	Rating (A)
2.2/3	4.8	2.8	GPS1BSAJ	6.3	CL25	25
3.7/5	7.7	4.5	GPS1BSAK	10	CL25	25
5/5/7.5	11.6	6.7	GPS1BSAL	13	CL25	25
7.5/10	14.4	8.4	GPS1BHAM	16	CL25	25
11/15	21.1	12.2	GPS1BHAP	25	CL25	25
15/20	28	16.2	GPS2BHAR	32	CL04	32
18.5/25	35	20.3	GPS2BHAS	40	CL04	32
22/30	41	23.8	GPS2BHAT	50	CL06	50
30/40	55	31.9	GPS2BHAU	63	CL06	50
37/50	69	40	GPS3BHAV	100	CL08	80
45/60	83	48.1	GPS3BHAW	200	CL09	95
55/75	99	57.4	GPS3BHAW	200	CL10	105
75/100	136	78.9	GPS3BHAW	200	CK75C	150
90/125	162	94	GPS3BHAX	400	CK08C	185
110/150	200	116	GPS3BHAX	400	CK09B	250
150/203	263	152.5	GPS3BHAX	400	CK95B	309
160/215	281	163	GPS3BHAX	400	CK95B	309
185/250	324	187.9	GPS3BHAX	400	CK10C	420

Note:

The MCPB will trip only on Short-circuits and on overloads it gives a trip signal to the contactor through a NC control from an inbuilt relay.  
 The MCPB also gives the trip signal through NC control from the inbuilt relay to the contactor for protection against single phasing and phase reversal.



A  
4

## Auxiliary Contactors

- Series RL and its accessories
- Series (M) Mini and its accessories

## Power Contactors

- Series CL 3P, AC
- Series CK 3P, AC
- Series CL 3P, DC
- Series CK 3P, DC
- Series CL 4P, AC
- Series CK 4P, AC
- Series CSC capacitor switching

## Accessories for Contactors

- Spares for contactors

## Thermal Overload Relay

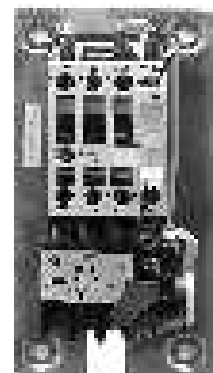
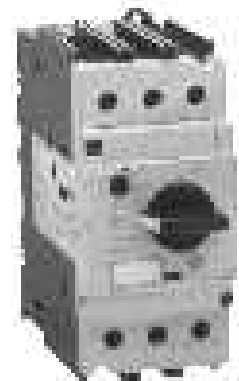
- Series RT and its accessories

## Motor Protection Circuit Breaker

- Surion and its accessories

## CL DOL Starter without enclosure

- Up to 10 hp 3 phase.



**NEW CL12-13**

**Auxiliary Contactors**

**Series RL- AC1 rating: 20 A AC - Control**

Contacts Arrangement	Code Reference	Unit Price (Rs.)
4NO	RL4RA040T♦	640
3NO+1NC	RL4RA031T♦	640
2NO+2NC	RL4RA022T♦	640
4NC	RL4RA004T♦	640

**DC - Control**

Contacts Arrangement	Code Reference	Unit Price (Rs.)
4NO	RL4RA040T♦	930
3NO+1NC	RL4RA031T♦	930
2NO+2NC	RL4RA022T♦	930
4NC	RL4RA004T♦	930

**Series M (Mini) - AC1 rating: 16A AC - Control**

Contacts Arrangement	Code Reference	Unit Price (Rs.)
4NO	MCRA040AT♦	590
3NO+1NC	MCRA031AT♦	590
2NO+2NC	MCRA022AT♦	590
1NO+3NC	MCRA013AT♦	590
4NC	MCRA004NT♦	590

**DC Control**

Contacts Arrangement	Code Reference	Unit Price (Rs.)
4NO	MCRA040AT♦	830
3NO+1NC	MCRA031AT♦	830
2NO+2NC	MCRA022AT♦	830

**Coil Voltage Codes - AC/DC**

♦	D	G	J	N	W
AC/50Hz	24	48	110	220	415
DC	24	48	110	220	-

**Note:**

- 1 To complete the ordering code ref. replace the symbol (♦) the code corresponding to the voltage.
2. For other coil voltages please contact our nearest Sales Offices.

**Power Contactor**

**Series CL - 3 Pole, AC Control**

AC1 Rating	AC3 Normal Life	AC3 Long Life	AC3-Long Life Max. 3Phase Motor Output at 415V AC		Aux. Contact Arrangement		Code Reference	Unit Price (Rs.)
			KW	HP	NO	NC		
25	12	9	4	5.5	1	0	CL00A310T♦	550■
25	12	9	4	5.5	0	1	CL00A301T♦	550■
25	18	12	5.5	7.5	1	0	CL01A310T♦	615■
25	18	12	5.5	7.5	0	1	CL01A301T♦	615■
32	25	18	7.5	10	1	0	CL02A310T♦	685■
32	25	18	7.5	10	0	1	CL02A301T♦	685■
45	32	25	11	15	1	0	CL25A310T♦	925■
45	32	25	11	15	0	1	CL25A301T♦	925■
60	40	32	16	20	1	0	CL04A310M♦	1850■
60	40	32	16	20	0	1	CL04A301M♦	1850■
60	50	40	22	30	1	1	CL45A311M♦	2850■
90	65	50	25	35	1	1	CL06A311M♦	3500■
110	80	65	37	50	1	1	CL07A311M♦	4650■
110	95	80	45	60	1	1	CL08A311M♦	5750■
140	105	95	50	68	1	1	CL09A311M♦	6500■
140	110	105	55	75	1	1	CL10A311M♦	7600■
160	130	125	65	85	1	1	CL12A311M♦	8900■
200	140	130	70	95	1	1	CL13A311M	9600■

**Series CK - 3 Pole, AC Control**

AC1 Rating	AC3 Rating Norma Life	AC3 Rating Long Life	Max. 3Phase Motor Output at 415V AC		Aux. Contact Arrangement		Code Reference	Unit Price (Rs.)
			KW	HP	NO	NC		
250	185	150	80	110	1	1	CK75CA311♦	10900■
250	205	185	100	135	1	1	CK08CA311♦	13600■
315	250	205	125	170	1	1	CK85BA311♦	15200■
315	300	250	132	180	1	1	CK09BA311♦	17900■
450	400	309	160	220	1	1	CK95BE311♦	21500■
600	475	420	230	315	1	1	CK10CE311♦	27400■
700	630	550	315	430	1	1	CK11CE311♦	39800■
1000	800	700	400	545	1	1	CK12BE311♦	62000■
1250	1000	825	450	610	1	1	CK13BA311♦	103000■

Special Application contactors for Steel Plants available on request. Please contact our nearest Sales Office

**Coil Voltage Codes - AC**

♦	D	J	N■	U	W
50Hz	24	110	230	380	415



**NEW CL12-13**

**Series CL - 3 Pole, DC Control**

AC 3 Rating Normal Life	AC-3 Rating Long Life	Long Life Max. 3 Phase Motor Output at 415 AC		Aux. Cont Arrangement		Code Reference	Unit Price (Rs.)
		KW	HP	NO	NC		
Amps	Amps						
12	9	4	5.5	1	0	CL00D310T♦	850
18	12	5.5	7.5	1	0	CL01D310T♦	900
25	18	7.5	10	1	0	CL02D310T♦	950
32	25	11	15	1	0	CL25D310T♦	2150
32	25	11	15	1	0	CL03D310M♦	2500
40	32	16	20	1	0	CL04D310M♦	3150
50	40	22	30	1	1	CL45D311M♦	3875
65	50	25	35	1	1	CL06E311M♦	5150
80	65	37	50	1	1	CL07E311M♦	5725
95	80	45	60	1	1	CL08E311M♦	7450
105	95	50	68	1	1	CL09E311M♦	8250
110	105	55	75	1	1	CL10E311M♦	9250

**Series CL - 4 Pole, AC Control**

AC1 Rating at 415V	Admissible Power AC 1	Aux. Cont Arrangement		Code Reference	Unit Price (Rs.)
		NO	NC		
Amps	KW				
25	18	0	0	CL01A400T ♦	775■
32	23	0	0	CL02A400T ♦	850■
40	25	0	0	GCL25A400T♦	1190■
45	32	0	0	CL03A400M♦	1610■
60	43	0	0	CL04A400M♦	3250■
90	64	0	0	CL05A400M♦	5800
110	79	0	0	CL07A400M♦	6950
140	100	0	0	CL09A400M♦	9300
160	110	0	0	CL12A00M ♦	11600
200	143	0	0	CL13A00M ♦	12800

B  
7

**Series CK - 3 Pole, DC Control**

AC-3 Rating Normal Life	AC-3 Rating Long Life	Long Life Max. 3 Phase Motor Output at 415 AC		Aux. Cont Arrangement		Code Reference	Unit Price (Rs.)
		KW	HP	NO	NC		
Amps	Amps						
185	150	80	110	1	1	CK75CE311 ♦	12350
205	185	100	135	1	1	CK08CE311 ♦	17325
250	205	125	170	1	1	CK85BE311 ♦	17950
300*	250	132	180	1	1	CK09BE311 ♦	18100
400*	309	160	220	1	1	CK95BE311 ♦	21000
475*	420	230	315	1	1	CK10CE311 ♦	27700
630*	550	315	430	1	1	CK11CE311 ♦	40150
800*	700	400	545	1	1	CK12BE311 ♦	61000

\* This CK range fitted with Electronic Module can be used both for AC and DC control.

**Series CK - 4 Pole, AC Control**

AC1 Rating at 415V	Admissible Power AC 1	Aux. Cont Arrangement		Code Reference	Unit Price (Rs.)
		NO	NC		
Amps	KW				
200	143	1	1	CK07BA411 ♦	15000
325	233	1	1	CK08BA411 ♦	23700
400	287	1	1	CK09BE411 ♦	31200
500	359	1	1	CK95BE411 ♦	40600
600	431	1	1	CK10CE411 ♦	56500
700	503	1	1	CK11CE411 ♦	58800
1000	719	1	1	CK12BE411 ♦	81000
1250	898	1	1	CK13BA411 ♦	200000

**Coil Voltage Codes - DC**

♦	D	J	N
DC	24	110	220

**Coil Voltage Codes - AC**

♦	D	J	N	U	W
50Hz	24	110	230	380	415

**Note**

- To complete the ordering code ref. replace the symbol (♦) by the code corresponding to the voltage.
- For other coil voltages please contact our nearest sales offices.
- All current ratings are at 415VAC, 50HZ.



## Power Contactor for Capacitor Switching

### Series CSC-3 Pole, AC Control

lth Current Amps	kVAR Rating at 415 V AC	Aux. Cont Arrangement		Code Reference	Unit Price (Rs.)
		NO	NC		
Amps	kVAR				
25	8	1	1	CSC08A311 ♦	1210
25	13	1	1	CSC12A311 ♦	1360 ■
32	17	1	1	CSC16A311 ♦	1780
45	21	1	1	CSC20A321 ♦	2050
45	26	2	1	CSC25A321 ♦	2480 ■
60	31	2	1	CSC30A321 ♦	4900
90	47	1	1	CSC45A311 ♦	7050
110	57	1	1	CSC55A311 ♦	7950
140	73	1	1	CSC70A311 ♦	9800

### Coil Voltage Codes - AC

(Wide Band)

♦	D	J	N	W ■	7
50Hz	24	110	230	415	240v

#### Note:

- To complete the ordering code ref. replace the symbol (♦) by the code corresponding to the Voltage.

### Pneumatic Timer Block

For use with	Mounting	Type	Contact Arrange- ments	Time	Code Ref.	Unit Price (Rs.)
RL4R.. CL00.. CL12	Frontal	Delayed ON	1NO+1NC	0.1..30S	BTLF30C	1295
			1NO+1NC	1..60S	BTLF60C	
	Frontal	Delayed OFF	1NO+1NC	0.1..30S	BTLF30D	
			1NO+1NC	1..60S	BTLF60D	

### Mechanical Latch Blocks

For use with	Code Ref.	Unit Price (Rs.)
RL4R..CL00..CL12	RMLF ♦	1360

## Accessories for RL/CL/CK Contactor

### Instantaneous and Timed Auxiliary Contact Block

For Use with	Mounting	Contact Arrange- ment	Type	Code Reference	Unit Price (Rs.)
RL4R CL00..CL12	Front	1NO	Instantaneous	BCLF10	60■
		1NC	Instantaneous	BCLF01	60■
		1NO	Make early	BCLF10G(3)	140
		1NC	Break late	BCLF01G(3)	140
RL 4R.. CL00..CL12 CK75..CK13	Side <sup>(1)</sup>	1NO+1NC	Instantaneous	BCLL11	265
		2NO	Instantaneous	BCLL20	265■
	Side <sup>(2)</sup>	1NO+1NC	Instantaneous	BRL11	265
		2NO	Instantaneous	BRL20	265

(1). First side mounted block.

(2). Second side mounted block.

(3). BCLF 10G and BCLF01G are 'Make Before' (NO) and 'Break After' (NC) auxiliary contacts.

#### Note:

- Maximum number of auxiliary contacts is  
Four for RL4R..CL00 to CL25  
Six for CL03 to CL12  
Eight for CL06 to CL12  
Eight for CK75..toCK13

### Coil Voltage Codes - AC/DC

♦	D	G	J	N	U
50Hz	24	-	110	220	415/440
DC	24	48	-	-	-

#### Note:

- To complete the ordering code ref. replace the symbol (♦) by the code corresponding to the voltage.



## Accessories for RL/CL/CK Contactors

### Mechanical Interlock

For use with	Mounting	Code Reference	Unit Price (Rs.)
RL4R..CL00..CL12	Side	BELA	250
	Side	BELA02*	745
CK07..CK12B	Side	BEKH	1510
CK75C..CK95B	Vertical	BEKVS	3950
CK10..CK11..CK12	Vertical	BEKVA	4150
CK13..	Vertical	BEKV	4900

\*Also with inbuilt 2NC contacts for Electrical Interlock.

## Accessories for Series M Contactors

### Instantaneous Auxiliary Contact Block

For use with	Mounting	Number of Contacts	Contact Arrangement		Code Reference	Unit Price (Rs.)
MCRA.. MCRC.. MCOA.. MC1A.. MCOC.. MC1C..	Front	2	2	0	MARN220AT	240
		2	1	1	MARN211AT	240
		2	0	2	MARN202AT	240
		4	4	0	MARN440AT	350
		4	3	1	MARN431AT	350
		4	2	2	MARN422AT	350
		4	1	3	MARN413AT	350
4	0	4	MARN404AT	350		

## Transient Voltage Suppressor Block

Directly connected parallel to the coil terminals A1-A2

Control Circuit	For use with	Type	U e	Code Reference	Unit Price (Rs.)
AC	RL4R CL00..CL45	R/C	12Vto48V	BSLR2G	325
			50Vto 127V	BSLR2K	325
			130Vto250V	BSLR2R	325
AC/DC	CL00..CL12 RL4R	Varistor	24Vto48V	BSLV3G	370
			50Vto127V	BSLV3K	370
			130Vto250V	BSLV3R	370
			277Vto500V	BSLV3U	370

## Electronic Timer Block

For use with	Control Circuit	Type	Time	Code Reference	Unit Price (Rs.)
MCR.. MCO.. MC	24-250v	Delayed ON	0.5-60S	MREBC10AC2	1125
	AC/DC	Delayed OFF	0.2-24S	MREBE20AC2	1390

## Electronic Timer Module

For use with	Control Circuit	Type	Time	Code Reference	Unit Price (Rs.)
RL4AR.. CL00..CL12	24-250V AC/DC	Delayed ON	0.1...2S	BETL02C	1610
			1.5..45S	BETL45C	1610
		Delayed OFF	0.1...3S	BETL02D	1610
			1..60S	BETL45D	1610

## Transient Voltage Suppressor Block

Directly connected parallel to the coil terminals A1-A2

For use with	Control Circuit	Type	U e	Code Reference	Unit Price (Rs.)
MCRA.. MCOA..MC1A	AC	R/C	12V to 60V	MPOAAE1	265
			110V to 240V	MPOAAE2	265
MCRA.. MCOC..MC1C	DC	Varistor	6V to 250V DC	MPOCAE3	265

## Mechanical Interlock

Kit comprising Mechanical interlock and Contactor jointing parts

For use with	Type	Contact Arrangement	Code Reference	Unit Price (Rs.)
MCR..,MCO..,MC1	Mechanical	Nil	MMHO	215



## Spares for the Air Break Contactors

### Contact Kits

For use with	No. of Sets (1)	Type	Code Reference	Unit Price (Rs.)
CL00	3	NO	V31200B	295
CL01	3	NO	V31201B	365
CL02	3	NO	V31202B	400
CL25	3	NO	V31225B	430
CL04	3	NO	V31204B	660
CL45	3	NO	V31245B	1520
CL06	3	NO	V31206B	1745
CL07	3	NO	V31207B	2215
CL08	3	NO	V31208B	2900
CL09	3	NO	V31209B	3660
CL10	3	NO	V31210B	4180
CK07B..	1	NO	V1107BA	1760
CK75C..	1	NO	V1175CA	1925
CK08C..	1	NO	V1108CA	2250
CK08B..	1	NO	V1108B4	2500
CK85B..	1	NO	V1185BA	2530
CK09B..	1	NO	V1109BA	3130
CK95B..	1	NO	V1195BA	3630
CK10C..	1	NO	V1110CE	5150
CK11C..	1	NO	V1111CE	6100
CK12B..	1	NO	V1112BA	9900
CK13B..	1	NO	V1113BA	13500

**Note:**

1 One set consists of 2 fixed contacts, one moving contact and accessory parts

### Spare Coil - Pure DC

For use with	Code Reference	Unit Price (Rs.)
MCRC..,MCOC..,MC1C	MBOC ♦	410
RL4RD..,CL00D to CL25D	LB1D ♦	820
CL03D.. to CL45D	LB3D ♦	1150
CL06..to CL10EL	LB4E ♦	2700

### Coil Voltage Codes - DC

♦	D	J	N
DC	24	110	220

**Note:**

- To complete the ordering code ref. replace the symbol (♦) by the code corresponding to the voltage

### Spare Coil - AC & AC/DC

For use with	Control	Type Circuit	Code Reference	Unit Price (Rs.)
MCRA.. (Mini)	AC	Coil	MBOA	295
RL46..,CL00A to CL25A				
CSC12A.. to CSC25A	AC	Coil	LBA1A	275
CL03A.. to CL45A..,CSC30A	AC	Coil	LB3A	650
CL06A.. to CL10A.., CSC45A to CSC70A	AC	Coil	LB4A	1025
CK75CE3.. to CK08CA3	AC	Coil	C12168	1550
CK75CE3.., CK08CE3..	AC/DC	Coil	KB4E	1550
		Electronic Module	KM4E	3400
CK85BA3..,CK07BA4	AC	Coil	C04255	1825
CK08BA4	AC	Coil	C04787	2275
CK85BE3..,CK09BE3.., CK95BE3	AC/DC	Coil	KB5E	3350
		Electronic Module	KM5E	4100
CK10CE3..,CK11CE3, CK10CE4.. CK11CE4..	AC/DC	Coil	KB7E	5100
		Electronic Module	KM7E	4100
CK12BE3..,CK09BE4.., CK95BE4	AC/DC	Coil	KB6E	5100
		Electronic Module	KM6E	4150
CK13BA3	AC	Coil	C08998	14950

### Coil Voltage Codes - AC

♦	D	J	N	W	7
50Hz	24	110	230	415	240V

### Coil Voltage Codes - AC/DC

♦	D	J	N
AC/DC	24	110	220

**Note:**

- To complete the ordering code ref. replace the symbol (♦) by the code corresponding to the voltage
- Coils KB4E, KB5E, KB6E, KB7E to be used with electronic module type KM4E, KM5E, KM6E, KM7E respectively
- For other coil voltages please contact our nearest sales office



## Thermal Overload relays

### Series RTO\*

For use with	Setting Range		Code Ref	Unit Lp (Rs.)
	A (Min)	A (Max)		
CL00 to CL25	1.0	1.5	RTOG	695
	1.5	2.2	RTOJ	695
	2.2	3.3	RTOH	695
	3.2	4.8	RTOK	695
	4.7	7.0	RTOL	695
	6.7	10.0	RTOM	695
	10.0	15.0	RTOP	695
	14.0	20.0	RTOS	750
	19.0	28.0	RTOU	750

### Series RT1

For use with	Setting Range		Code Reference	Unit Price (Rs.)
	A (Min.)	A (Max.)		
CL00. to CL45	0.16	0.26	RT1B	835■
	0.25	0.41	RT1C	835
	0.4	0.65	RT1D	835
	0.65	1.1	RT1F	835■
	1.0	1.5	RT1G	835■
	1.3	1.9	RT1H	835■
	1.8	2.7	RT1J	835■
	2.5	4.0	RT1K	835■
	4.0	6.3	RT1L	835■
	5.5	8.5	RT1M	835■
	8.0	12	RT1N	835■
	10.0	16	RT1P	835■
	14.5	18	RT1S	925■
	17.5	22	RT1T	925■
	21.0	26	RT1U	925■
	25.0	32	RT1V	1350■
	30.0	40	RT1W	1350■

### Series RT2

CL06.,to CL10.,	11.5	15	RT2A	1975
	14.5	19	RT2B	1975
	18.5	25	RT2C	1975
	24.0	32	RT2D	1975
	30.0	43	RT2E	1975 ■
	42.0	55	RT2G	1975
	54.0	65	RT2H	2490
	64.0	82	RT2J	2490
	78.0	97	RT2L	2490
	90.0	110	RT2M	2490

### Series RT3

For use with	Setting Range		Code Reference	Unit Price (Rs.)
	A (Min.)	A (Max.)		
CK75.,CK08	55	80	RT3B	3325
	63	90	RT3C	3325
	90	120	RT3D	3325
	110	140	RT3E	3325
	140	190	RT3F	3325

### Series RT4

CK85.,CK09 CK95	120	190	RT4N	6340
	175	280	RT4P	6340
	200	310	RT4R	6340

### Series RT5

CK10-CK12	120	190	RT5A	6550
	175	280	RT5B	6550
	250	400	RT5C	8300
	315	500	RT5D	8300
	430	700	RT5E	8300

### Accessories

Description	Code Reference	Unit Price (Rs.)
Separate mounting base for RT1 Relays	RTXP	285■
Separate mounting base for RT2 Relays	RT2XP	430
Setting range cover protection for RT range	RTX3	195
Remote reset kit for RT range (cable length 0.5 Mtr.)	RTXS	1210
Remote reset kit for RT range (cable length 1Mtr.)	RTXSL	2100
Remote electrical reset kit for RT range	RTXRRB	1595

\*RTO Relays are available in contactor mounting version only.

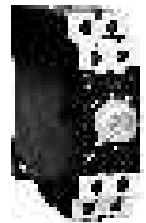
## Electronic Timers

### Star Delta Timers

Description	Code Reference	Unit Price (Rs.)
0 - 30 secs, 230V AC, 2 C/O	HSDT2CON	945 ■
0 - 30 secs, 415V AC, 2 C/O	HSDT2COW	945 ■

### On Delay Timer

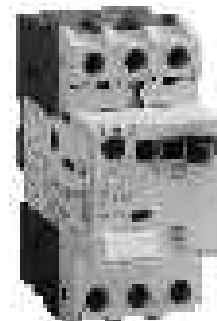
Description	Code Reference	Unit Price (Rs.)
Multirange / Multivoltage timer, 2 C/O-3Secs/30Secs 3 mins / 30 mins, 24V to 240V AC/DC	HODT2COZ	1040■



## Surion MPCB Standard offer

### Frame 1

Rating	Std. Thermomagnetic		Rating	High Performance Thermomagnetic	
	Code	Unit Price		Code	Unit Price
0.1-0.16,100kA	GPS1BSAA	1815	0.1-0.16,100kA	GPS1BHAA	2415
0.16-0.25A,100kA	GPS1BSAB	1815	0.16-0.25A,100kA	GPS1BHAB	2415
0.25-0.4A,100kA	GPS1BSAC	1815	0.25-0.4A,100kA	GPS1BHAC	2415
0.4-0.63A,100kA	GPS1BSAD	1930	0.4-0.63A,100kA	GPS1BHAD	2470
0.63-1A,100kA	GPS1BSAE	2080	0.63-1A,100kA	GPS1BHAE	2520
1-1.6A,100kA	GPS1BSAF	2080 n	1-1.6A,100kA	GPS1BHAF	2520
1.6-2.5A,100kA	GPS1BSAG	2080 n	1.6-2.5A,100kA	GPS1BHAG	2730
2.5-4A,100kA	GPS1BSAH	2080 n	2.5-4A,100kA	GPS1BHAH	2730
4-6.3A,100kA	GPS1BSAJ	2080	4-6.3A,100kA	GPS1BHAJ	2730
6.3-10A,100kA	GPS1BSAK	2200 n	6.3-10A,100kA	GPS1BHAK	2950
9-13A,50kA	GPS1BSAL	2415 n	9-13A,50kA	GPS1BHAL	3050
11-16A,25kA	GPS1BSAM	2415 n	11-16A,25kA	GPS1BHAM	3050
14-20A,25kA	GPS1BSAN	2560 n	14-20A,25kA	GPS1BHAN	3300
19-25A,25kA	GPS1BSAP	2840 n	19-25A,25kA	GPS1BHAP	3300
25-32A,25kA	GPS1BSAR	3570	25-32A,25kA	GPS1BHAR	4200



### Frame 2

Rating	Std. Thermomagnetic		Rating	High Performance Thermomagnetic	
	Code	Unit Price		Code	Unit Price
6-10A,100kA	GPS2BSAK	3750	6-10A,100kA	GPS2BHAK	4915
9-13A,25kA	GPS2BSAL	3750	9-13A,50kA	GPS2BHAL	5100
11-16A,25kA	GPS2BSAM	3750	11-16A,50kA	GPS2BHAM	5150
14-20A,25kA	GPS2BSAN	3750	14-20A,50kA	GPS2BHAN	5150
19-25A,25kA	GPS2BSAP	4725	19-25A,50kA	GPS2BHAP	5500
24-32A,25kA	GPS2BSAR	4725	24-32A,50kA	GPS2BHAR	5775
28-40A,25kA	GPS2BSAS	5775	28-40A,50kA	GPS2BHAS	6100
35-50A,25kA	GPS2BSAT	6560	35-50A,50kA	GPS2BHAT	7090
45-63A,50kA	GPS2BSAU	6560	45-63A,50kA	GPS2BHAU	7350



### Accessories

Description	Code Reference	Unit Price (Rs.)
Black external control IP55 x GPS 1 H	GPA1HAB	890
Black external control IP55 x GPS 2	GPA2HAB	890
Front auxiliary block 1NO/1NC x GPS 1./GPS2	GPAC10FBA	300
Side contact block left 1NO+1NC GPS1./GPS2	GPACXXLLA	350
Side contact block right 1NO+1NC GPS1./GPS2	GPACXXLRA	350
Alarm contact block frontal 1NO GPS1./GPS2	GPALXXFRA	350
Side aux. cont. block Alarm + Aux GPS1./GPS2	GPADXXYLL	550
Shunt trip (right) GPS1/GPS2	GPASLRAA*	1025
Undervolt. relay (right) GPS1/GPS2	PGAULRAA*	1025
Enclosure (extern). IP41 + acces. x GPS1*S Surface Mounting	PGES41A	410
Enclosure (extern). IP55 + acces. x GPS1*S Surface Mounting	GPEES55A	525
Enclosure (inside). IP41 + acces. x GPS1*S Flush Mounting	GPEF41A	410
Enclosure (inside) IP55 + acces. x GPS1*S Flush Mounting	GPEF55A	525

#### Note:

1 For other Accessories Viz. Lug busbar, 3 Pole bar, Conversion kit, etc., Please contact our nearest sales office

2 \*-Please mention coil code J-110V, N-220V, W-415-440V XXX & YY Contact Combination 10-NO, 01-NC, 20-2NO



### Frame 3

( With continuously adjustable overload and short circuit motor protection)

Rating (Amp )	Standard Performance		Rating (Amp )	High Performance	
	Code	Unit Price		Code	Unit Price
50, 35kA	GPS3BSAT	10500	50, 50kA	GPS3BHAT	12000
100 35kA	GPS3BSAV	10500	100 50KA	GPS3BHAV	12000
200, 35kA	GPS3BSAW	17500	200, 50KA	GPS3BHAW	19500
400, 35kA	GPS3BSAX	21500	400, 50KA	GPS3BHAX	24700

### Accessories GPS3

Description	Unit Price (Rs.)
Rotary Control IP54 GPS3 upto 100A	840
Rotary Control IP54 GPS3 200A	940
Rotary Control IP54 GPS3 400A	1200
Auxiliary Contact Block 1NO	160
Auxiliary Contact Block 1NC	160
Shunt trip 220V *	1050
Undervoltage 220V*	1050

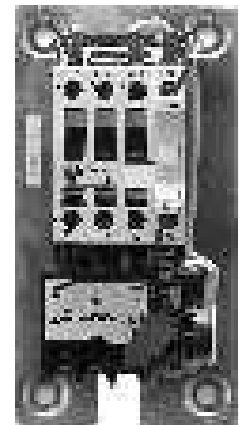
\* For any other voltage and cat no.  
Please contact the nearest sales office

#### \*Built in Protection

- Overload (eliminates need of external bimetal relay)
- Short Circuit Single Phasing Phase reversal
- Overload, single phasing and phase reversal sensing through static release, motor feeder operating through contactor.  
Enhances MPCB's Life

### CLDOL Starters (W/O Enclosure)

3 phase DOL Starter Module (W/O Enclosure)						
Motor hp	KW	Coil Volt	Code	Relay Range	Contr	Price
1	0.75	440V, 50/60Hz	SGL8317041	1.5-2.2	CL02 - 18A	1150
2	1.5	440V, 50/60Hz	SGL8317061	3.2-4.8	CL02 - 18A	1150
3	2.2	440V, 50/60Hz	SGL8317071	4.7-7.0	CL02 - 18A	1150
5	3.7	440V, 50/60Hz	SGL8317081	6.7-10	CL02 - 18A	1150
7.5	5.5	440V, 50/60Hz	SGL8317091	10-15	CL02 - 18A	1150
10	7.5	440V, 50/60Hz	SGL8317101	14-20	CL02 - 18A	1150
1	0.75	230V, 50/60Hz	SGL8317045	1.5-2.2	CL02 - 18A	1150
2	1.5	230V, 50/60Hz	SGL8317065	3.2-4.8	CL02 - 18A	1150
3	2.2	230V, 50/60Hz	SGL8317075	4.7-7.0	CL02 - 18A	1150
5	3.7	230V, 50/60Hz	SGL8317085	6.7-10	CL02 - 18A	1150
7	5.5	230V, 50/60Hz	SGL8317095	10-15	CL02 - 18A	1150
10	7.5	230V, 50/60Hz	SGL8317105	14-20	CL02 - 18A	1150



## HBC Fuselinks for Industrial Application

*Most trusted for over three decades  
Widest Fuse range - Fuse for every application*

### Low Voltage Fuselinks

- ♦ DIN type, 6A to 630A, 500V AC in sizes 000,00,1,2 & 3
- ♦ BS type, 2A to 800A, 415V/660V AC in 'Bolted' and 'Clip-on' Versions
- ♦ Only manufacturer of 660V fuselinks

### Salient features

- ♦ Conforms to IS 13703 - 1 & 2-1993/IEC269/BS88
- ♦ Low Let thru energy & Low Watt loses
- ♦ Non deteriorating-retain characteristics till the fuse operates on fault, irrespective of time
- ♦ Positive discrimination between upstream and downstream devices
- ♦ Also available special fuses for signaling circuits in ferrule construction

### HBC Fuselinks for Protection of Semiconductor devices

#### Type GS

- ♦ Conforms to IS 13703-4
- ♦ Fast and super fast acting fuselinks for rectifier and thyristor protection using silver elements of proven design
- ♦ Wide voltage range from 240V to 1000V, current rating 5A to 1200A
- ♦ For Fuse operation indication, trip indicator fuses can be used along with micro switch mounting kits
- ♦ Single & multibody construction

#### Type PSC\*

##### American Standard

- with blade contacts  
50A - 2500A, 500 to 700V AC  
63A - 1100A, 1000 to 1330V AC
- without blade contacts  
63A - 2500A, 500 to 700V AC  
63A - 1100A, 1000 to 1300V AC

##### DIN Standard

- with blade contacts  
63A - 1400A, 660 to 1200V AC  
63A - 1100A, 900 to 1200V AC

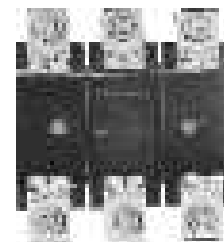
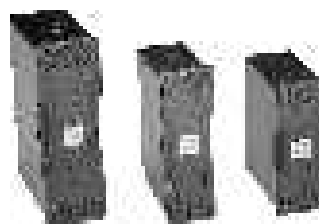
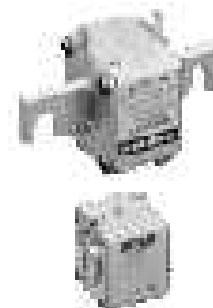
\* For Prices contact our nearest Sales Office

### High Voltage HBC Fuselinks

- ♦ Conforms to IS 9385/BS 2692/IEC 282-1
- ♦ High Voltage HBC Fuselinks for 11/6.6/3.3kV for backup protection
- ♦ Type K-KEBXO/KEMXO Fuselinks for 11kV circuits (max. service voltage 12kV rms for use in oil to protect distribution circuit)  
Ferrule type construction having lengths 254/359 mm also suitable for use in 7.2kV system
- ♦ Type H2CAS/H3CAS Fuselinks with tag arrangement for use in air for distribution and capacitor circuits of 11kV rating
- ♦ Type K-3.3kV/6.6kV Fuselinks for use in air, for motor starting applications (for max voltage 3.6/7.2kV) have single and double body construction.  
For 3.3kV,630A & for 6.6kV 400/500/630A have double body construction
- ♦ Type VTF for Voltage Transformer/PT protection - 6.6kV/11kV rating

### Moulded Fuse holders and Fuse base for 415V AC Circuits

- ♦ Type NS/SM Fuse holders - 20A to 125A (BS)  
NSH/SM-H for front cable connection  
NSB/SM-B for busbar/cable connection  
NSP -for back stud connection
- ♦ Type safe clip use holders - 20A to 63A (BS) fully shrouded suitable for DIN rail mounting
- ♦ ISG Fuse Bases for DIN Fuses/6A to 630A
- ♦ Compact 3 Phase Fuse Base ISG for DIN Fuses upto 160A



**HBC Fuselinks for Industrial Application**

DIN Type Fuselinks (Blade Contacts)

Type VS-500 V AC

Size 000

Rating Amp	List No.	Code Reference	Carton Qty.	Unit Price (Rs.)
6	VSA6	SFD8500006		168 ■
10	VSA10	SFD8500010		
16	VSA16	SFD8500016		
20	VSA20	SFD8500020		
25	VSA25	SFD8500025		
32	VSA32	SFD8500032		
36	VSA36	SFD8500036		
50	VSA50	SFD8500050		
63	VSA63	SFD8500063		

Size 00

6	VSB6	SFD8310006		262 ■		
8	VSB8	SFD8310008				
10	VSB10	SFD8310010				
16	VSB16	SFD8310016				
20	VSB20	SFD8310020				
25	VSB25	SFD8310025				
32	VSB32	SFD8310032				
36	VSB36	SFD8310036				
50	VSB50	SFD8310050				
63	VSB63	SFD8310063				
80	VSB80	SFD8310080				
100	VSB100	SFD8310100				
125	VSB125	SFD8310125			6	284 ■
160	VSB160	SFD8310160			6	290 ■

Size 1

36	VSF36	SFD8330036		455 ■
50	VSF50	SFD8330050		
63	VSF63	SFD8330063		
80	VSF80	SFD8330080		
100	VSF100	SFD8330100		
125	VSF125	SFD8330125		
160	VSF160	SFD8330160		
200	VSF200	SFD8330200		
250	VSF250	SFD8330250	3	515 ■

Size 2

250	VSK250	SFD8340250	1	660 ■
315	VSK315	SFD8340315		680 ■
355	VSK355	SFD8340355		
400	VSK400	SFD8340400		

Size 3

315	VST315	SFD8350315		975 ■
355	VST355	SFD8350355		
400	VST400	SFD8350400		
500	VST500	SFD8350500		
630	VST630	SFD8350630	1	975 ■

**BS Type Fuselink**

Type SS/NS/ES

Clip-on Fuselinks with Staggered Tags - 415 V AC

Rating Amp	List No.	Code Reference	Carton Qty.	Unit Price (Rs.)
2	SS2	SFA8106002	20	32 ■
4	SS4	SFA8106004		
6	SS6	SFA8106006		
10	SS10	SFA8106010		
16	SS16	SFA8106016		
20	SS20	SFA8106020		
2	NS2	SFA9311002	20	35 ■
4	NS4	SFA9311004		
6	NS6	SFA9311006		
10	NS10	SFA9311010		
16	NS16	SFA9311016		
20	NS20	SFA9311020		
25	NS25	SFA9311025	20	39 ■
32	NS32	SFA9311032	20	48 ■
2	ES2	SFA8121002		
4	ES4	SFA8121004		
6	ES6	SFA8121006		
10	ES10	SFA8121010		
16	ES16	SFA8121016		
20	ES20	SFA8121020		
25	ES25	SFA8121025		
32	ES32	SFA8121032		
36	ES36	SFA8121036		
50	ES50	SFA8121050		
63	ES63	SFA8121063		

**Type EIT**

Fuselink with Offset Tags

(2 hole fixing-Bolted) - 415 V AC

2	EIT2	SFA8120002	20	50
4	EIT4	SFA8120004		
6	EIT6	SFA8120006		
10	EIT10	SFA8120010		
16	EIT16	SFA8120016		
20	EIT20	SFA8120020		
25	EIT25	SFA8120025	20	58
32	EIT32	SFA8120032		63
36	EIT36	SFA8120036		
50	EIT50	SFA8120050		
63	EIT63	SFA8120063		



**Type TS - 415 AC**

Offset Tags (2 hole fixing - Bolted)

Rating Amp	List No.	Code Reference	Carton Qty.	Unit Price (Rs.)
6	TSA6	SFB8316006	20	36 ■
10	TSA10	SFB8316010		
16	TSA16	SFB8316016		
20	TSA20	SFB8316020		
25	TSA25	SFB8316025		
32	TSA32	SFB8316032		
36	TSS36	SFB8323036	20	71 ■
50	TSS50	SFB8323050		
63	TSS63	SFB8323063		
80	TSDS80	SFB8324080		
100	TSDS100	SFB8324100	10	121 ■
125	TSDS125	SFB8324125	10	157 ■
80	TSD80	SFB8328080	10	128 ■
100	TSD100	SFB8328100		
125	TSD125	SFB8328125	10	157 ■
125	TSFP125	SFB8327125	10	192 ■
160	TSFP160	SFB8327160		
200	TSFP200	SFB8327200		

**Type T - 660 V AC**

Offset Tags (2 hole fixing - Bolted)

Rating Amp	List No.	Code Reference	Carton Qty.	Unit Price (Rs.)
6	TIA6	SFB8116006	10	51 ■
10	TIA10	SFB8116010		
16	TIA16	SFB8116016		
20	TIA20	SFB8116020		
25	TIA25	SFB8116025		
32	TIA32	SFB8116032		
36	TIS36	SFB8124036	10	93 ■
50	TIS50	SFB8124050		
63	TIS63	SFB8124063		
80	TCP80	SFB8125080		
100	TCP100	SFB8125100	6	191 ■
125	TFP125	SFB8126125	3	310 ■
160	TFP160	SFB8126160		
200	TFP200	SFB8126200		

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**Central Tags (2 hole fixing - Bolted)**

80	TSDC80	SFB8337080	10	135 ■
100	TSDC100	SFB8337100		
125	TSF125	SFB8340125	10	177 ■
160	TSF160	SFB8340160	10	183 ■
200	TSF200	SFB8340200		
250	TSF250	SFB8340250	10	247 ■
250	TSK250	SFB8345250	10	273 ■
315	TSK315	SFB8345315		
355	TSMS355	SFB8361355		
400	TSMS400	SFB8361400	1	455 ■
450	TSTS450	SFB8366450	1	550 ■
500	TSTS500	SFB8366500	1	595 ■
560	TSL560	SFB8371560		
630	TSL630	SFB8371630	1	910 ■
670	TSL670	SFB8371670	1	1150 ■
710	TSL710	SFB8371710		
750	TSL750	SFB8371750		
800	TSL800	SFB8371800		

**Central Tags (2 hole fixing - Bolted)**

80	TC80	SFB8135080	6	195 ■
80	102TC80	SFB8136080		
100	TC100	SFB8135100		
100	102TC100	SFB8136100		
125	TF125	SFB8140125	3	295 ■
160	TF160	SFB8140160		
200	TF200	SFB8140200		
250	TF250	SFB8141250		
250	TKF250	SFB8145250	1	435 ■
315	TKF315	SFB8145315		

**Central Tags (4 hole fixing - Bolted)**

355	TSM355	SFB8360355	1	715
400	TSM400	SFB8360400		
450	TST450	SFB8365450	1	725
500	TST500	SFB8365500		
560	TSL560	SFB8370560	1	1040 ■
630	TSL630	SFB8370630		
670	TSL670	SFB8370670	1	1260 ■
710	TSL710	SFB8370710		
750	TSL750	SFB8370750		
800	TSL800	SFB8370800		

**Central Tags (4 hole fixing - Bolted)**

355	TM355	SFB8160355	1	935
400	TM400	SFB8160400		
450	TTM450	SFB8165450	1	980 ■
500	TTM500	SFB8165500		
560	TTM560	SFB8165560	1	1295 ■
630	TTM630	SFB8165630		
630	TLM630	SFB8170630	1	1570
670	TLM670	SFB8170670		
710	TLM710	SFB8170710		
750	TLM750	SFB8170750		
800	TLM800	SFB8170800		



**HBC Fuselink for Protection of Semiconductor Devices**

**Type GS Fuselink for Diode Protection**

Rating Volt.	Amp	List No.	Code Reference	Carton Qty.	Unit Price (Rs.)
10	GSA10	SFE8110010G			
15	GSA15	SFE8110015G			
20	GSA20	SFE8110020G			
25	GSA25	SFE8111025G	10	218 ■	
50	GSA50	SFE8111050G			
75	GSA75	SFE8111075G			
100	GSA100	SFE8111100G			
250V AC	150	GS450/150	SFE8120150G	6	385
	200	GS450/200	SFE8120200G	6	495
	250	GS450/250	SFE8120250G	6	750
	300	GS450/300*	SFE8120300G	6	960
	400	GS450/400*	SFE8120400G	6	960
	500	GS450/500*	SFE8120500G	6	960
690V AC	5	GSB5	SFE8130005G	10	130
	10	GSB10	SFE8130010G		
	15	GSB15	SFE8130015G		
	20	GSB20	SFE8130020G		
	25	GSB25	SFE8130025G	10	252
	45	GSB45	SFE8130045G		
	50	GSB50	SFE8130050G		
	75	GSB75	SFE8130075G		
	100	GS1000/100	SFE8131100G	6	475
	150	GS1000/150	SFE8131150G	6	595 ■
	200	GS1000/200	SFE8131200G	6	930
	250	GS1000/250	SFE8131250G	6	1150
	300	GS1000/300*	SFE8131300G	6	1150
	400	GS1000/400*	SFE8131400G	6	1150
	500	GS1000/500	SFE8131500G	6	1150
	800V AC	500	RGS500	SFE8140500	3

**Type GSM Ultra-fast acting multibody Fuselink for Diode & Thyristor Protection**

Rating Volt.	Amp	List No.	Code Reference	Carton Qty.	Unit Price (Rs.)
120	GSMJ120	SFE8340120	1	905	
180	GSMJ180	SFE8340180	1	1375	
240	GSMJ240	SFE8340240	1	1760	
300	GSMJ300	SFE8340300	1	2030	
350	GSMJ350	SFE8340350	1	2700	
400	GSMJ400	SFE8340400	1	3170	
460	GSMJ460	SFE8340460	1	3490	
520	GSMJ520	SFE8340520	1	3820	
580	GSMJ580	SFE8340580	1	4620	
630	GSMJ630	SFE8340630	1	5180	
680	GSMJ680	SFE8340680	1	5500	
800	GSMJ800	SFE8340800	1	7390	
1000	GSMJ1000	SFE8341100	1	9380	
1200	GSMJ1200	SFE8341120	1	10480	
1000V AC	63	GSMK63	SFE8350063	1	450
	120	GSMK120	SFE8350120	1	975
	180	GSMK180	SFE8350180	1	1385
	240	GSMK240	SFE8350240	1	1990
	300	GSMK300	SFE8350300	1	2275
	350	GSMK350	SFE8350350	1	2865
	400	GSMK400	SFE8350400	1	3450
	460	GSMK460	SFE8350460	1	3825
	520	GSMK520	SFE8350520	1	4670
	580	GSMK580	SFE8350580	1	4995
	630	GSMK630	SFE8350630	1	5530
	680	GSMK680	SFE8350680	1	6215
	800	GSMK800	SFE8350800	1	7800
	1000	GSMK1000	SFE8351100	1	10995
	1200	GSMK1200	SFE8351120	1	11995

Note: For special tags please contact our sales office

**Type GSG Fast acting Fuselink for Thyristor Protection**

690V AC	16	GSG1000/16*	SFE8230016G	10	295 ■
	25	GSG1000/25*	SFE8230025G		
	30	GSG1000/30*	SFE8230030G		
	35	GSG1000/35*	SFE8230035G		
	40	GSG1000/40*	SFE8230040G		
	45	GSG1000/45*	SFE8230045G		
	55	GSG1000/55*	SFE8230055G	5	640 ■
	75	GSG1000/75*	SFE8231075G		
	85	GSG1000/85*	SFE8231085G		
	110	GSG1000/110*	SFE8231110G		
	150	GSG1000/150*	SFE8231150G	6	1020 ■
	175	GSG1000/175	SFE8232175G		
	200	GSG1000/200	SFE8232200G		
	235	GSG1000/235	SFE8232235G		
	300	GSG1000/300	SFE8232300G		
	325	GSG1000/325	SFE8232325G		
350	GSG1000/350	SFE8232350G	3	1220 ■	

**Fuselink Trip Indicator**

Volt. / Amp	List No.	Code Reference	Carton Qty.	Unit Price (Rs.)
500/700 V AC*	TI300	SFB9101300	20	147 ■
707/1000 V AC*	TI600	SFB9101600	20	190 ■
800/1200 V AC*	TI1200	SFB9102120	20	285
1414/2000 V AC*	TI2000	SFB9102200	20	315

\*RMS/Peak Voltage

\* GS 450, GS 1000 & GSG 1000 type fuses are also available with Inbuilt trip indicator

Please contact our nearest sales office for product information & price



**Kits for mounting Trip Indicator Fuselink**

Description of Units requiring kits	Trip Indicator	Kit Code Reference	Unit Price (Rs.)
GSA25 to 100A	TI300	SFE9000001	193
GS450/150-500A	TI300	SFE9000002	
GSB25-75A	TI600	SFE9000003	
GSG100/25-150A/785E			
GSG 1000/75-150A	TI600	SFE9000003	
GSG1000/100-500A	TI600	SFE9000004	
GSG1000/175-350A/784E	TI600	SFE9000004	
Micro Switch with one changeover contact and adaptor for fixing trip indicator Fuselinks		SFE9000005	
GSM63A	TI1200	SFE9000011	257
GSMJ120-1200A/954 GSMJ 400-460A/955 GSMJ	TI1200	SFE9000008	
GSMK63A	TI2000	SFE9000011	
GSMK120-1200A/954 GSMK 400-460A/955 GSMK 520-680A	TI2000	SFE9000008	
RGS500A	TI1200	SFE9000010	

**Fuselink for Distribution/Motor Circuit**

Rating	List No.		Code Reference	Carton Qty.	Unit Price (Rs.)
	Volt.	Amp			
7.2kV AC	50	K81SVX50	SFK8230050	1	5840
	63	K81SVX63	SFK8230063	1	5840
	80	K81SVX80	SFK8230080	1	6425
	100	K81SVX100	SFK8230100	1	6750
	125	K81SVX125	SFK8230125	1	7800
	160	K81SVX160	SFK8230160	1	7800
	200	K81SVX200	SFK8230200	1	8800
	250	K81SVX250	SFK8230250	1	10900
	315	K81SRX315	SFK8230315	1	13750
	350	K81SRX350	SFK8230350	1	14700
	400	K82SSX400	SFK8230400	1	24800
	500	K82SSX500	SFK8230500	1	27200
	630	K82SSX630	SFK8230630	1	29500

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**Type PSC Square Body Semiconductor fuse**



**Ferraz** Fuse  
Marketed by:  
**GE - Consumer & Industrial, India**

Please contact our nearest Sales Office for Product Information & Price

**Type KEBXO Fuselink for Distribution Circuits (for use in Oil)**

Rating	List No.		Code Reference	Carton Qty.	Unit Price (Rs.)
	Volt.	Amp			
12kV AC	5	KEBXO5	SFK8110005	1	2835
	10	KEBXO10	SFK8110010	1	
	16	KEBXO16	SFK8110016	1	
	20	KEBXO20	SFK8110020	1	
	25	KEBXO25	SFK8110025	1	
	36	KEBXO36	SFK8110036	1	
	40	KEBXO40	SFK8110040	1	
	45	KEBXO45	SFK8110045	1	
	50	KEBXO50	SFK8110050	1	
	63	KEBXO63	SFK8110063	1	
	80	KEBXO80	SFK8110080	1	

**High Voltage HBC Fuselink**

**3.6 kV Fuselink for Distribution/Motor Circuit**

Rating	List No.		Code Reference	Carton Qty.	Unit Price (Rs.)	
	Volt.	Amp				
3.6kV AC	5	K3PGX5	SFK8210005	1	2750	
	10	K3PGX10	SFK8210010	1		
	16	K3PGX16	SFK8210016	1		
	20	K3PGX20	SFK8210020	1		
	25	K3PGX25	SFK8210025	1		
	32	K3PGX32	SFK8210032	1		
	40	K3PGX40	SFK8210040	1		
	50	K3PGX50	SFK8210050	1		
	63	K3PGX63	SFK8210063	1		
	80	K3PGX80	SFK8210080	1		
	100	K81PEX100	SFK8220100	1		4720
	160	K81PEX160	SFK8220160	1		5250
	200	K81PEX200	SFK8220200	1		5700
	250	K81PEX250	SFK8220250	1		6450
	315	K81PEX315	SFK8220315	1		7450
	350	K81PEX350	SFK8220350	1		8250
	450	K81PRX450	SFK8220450	1		12400
630	K81PFX630	SFK8220630	1	15900		

**Type KEMXO Fuselink for Distribution Circuit (for use in Oil)**

Rating	List No.		Code Reference	Carton Qty.	Unit Price (Rs.)	
	Volt.	Amp				
12kV AC	5	KEMXO5	SFK9211005	1	3465	
	10	KEMXO10	SFK9211010	1		
	16	KEMXO16	SFK9211016	1		
	20	KEMXO20	SFK9211020	1		
	25	KEMXO25	SFK9211025	1		
	36	KEMXO36	SFK9211036	1		
	40	KEMXO40	SFK9211040	1		
	45	KEMXO45	SFK9211045	1		
	50	KEMXO50	SFK9211050	1		
	63	KEMXO63	SFK9211063	1		
	80	KEMXO80	SFK9211080	1		
	90	KEMXO90	SFK9211090	1		3620
	100	KEMXO100	SFK9211100	1		3935
	120	KEMXO120	SFK9211120	1		4415



## High Voltage HBC Fuselink

### Type H2CAS Fuselink for Distribution Circuit (for use in Air)

Rating Volt.	Amp	List No.	Code Reference	Carton Qty.	Unit Price (Rs.)
6.3	H2CAS6.3	SFK8120006	1		
10	H2CAS10	SFK8120010	1		
16	H2CAS16	SFK8120016	1		
20	H2CAS20	SFK8120020	1		
25	H2CAS25	SFK8120025	1		
31	H2CAS31	SFK8120031	1		
36	H2CAS36	SFK8120036	1		
40	H2CAS40	SFK8120040	1		
45	H2CAS45	SFK8120045	1		
50	H2CAS50	SFK8120050	1		
56	H2CAS56	SFK8120056	1		
63	H2CAS63	SFK8120063	1		
71	H2CAS71	SFK8120071	1		
80	H2CAS80	SFK8120080	1	2660	
90	H2CAS90	SFK8120090	1		
100	H2CAS100	SFK8120100	1		

### Type H3CAS Fuselink for Distribution Circuit (for use in Air)

Rating Volt.	Amp	List No.	Code Reference	Carton Qty.	Unit Price (Rs.)
6.3	H3CAS6.3	SFK8121006	1		
10	H3CAS10	SFK8121010	1		
16	HECAS16	SFK8121016	1		
20	H3CAS20	SFK8121020	1		
25	H3CAS25	SFK8121025	1		
31	H3CAS31	SFK8121031	1		
36	H3CAS36	SFK8121036	1		
40	H3CAS40	SFK8121040	1		
45	H3CAS45	SFK8121045	1		
50	H3CAS50	SFK8121050	1		
56	H3CAS56	SFK8121056	1		
63	H3CAS63	SFK8121063	1		
71	H3CAS71	SFK8121071	1		

### Type VTF Voltage Transformer Fuselink

11 kV AC	VTF11/3A	SFB9103001	1	760 ■
11 kV AC	5XVTF11/3A	SFB9103002	1	820 ■
6.6 kV AC	VTF 6.6/3A	SFB9103005	1	730 ■

## Moulded Fuse Holder and Fuse Base for 415V AC Circuit

### Type SC: Safe Clip

Rating Volt.	Amp	List No.	Code Reference	Connection	Unit Price (Rs.)	Carton Quantity	Associated HBC Fuselink			
							Clip on	Bolted		Blade Contact
415V AC	20	SC20H	SFF8510000	Front	82 ■	10		SS	-	
	20	SC20HD*	SFF8512000	Front	88	10	SS	-	-	-
	32	SC32H*	SFF8511000	Front	100	10	NS	-	-	-
	63	SC63H	SFF8530000	Front	168 ■	10	ES	-	-	-

\*Suitable for DIN rail mounting

### BS type fuse holder - Type NS & SM: Moulded Fuse Holder

415V AC	32	NSH	SFF8111000	Front	90 ■	10	NS (upto 32 A)	-	-	-
		NSP	SFF8111001	Back	95 ■					
		NSB	SFF8111002	Busbar	95 ■					
	32	SM32H	SFF8215000	Front	148 ■	10	-	TIA	TSA	-
		SM32B	SFF8215002	Busbar	162 ■					
	63	SM63H	SFF8220000	Front	185 ■	10	-	TIA	TSS	-
		SM63B	SFF8220002	Busbar	220 ■					
	125	SM125H	SFF8225000	Front	515 ■	5	-	TCP	TSD	-
		SM125B	SFF8225002	Busbar	565 ■					



### DIN Type ISG Fuse Base

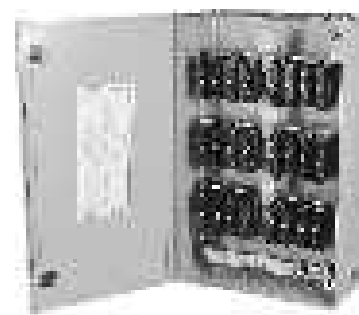
415V AC	160	ISG160	SFF8410000	-	210 ■	3	-	-	-	VSB
	250	ISG250	SFF8431000	1	410 ■	3	-	-	-	VSF
	400	ISG400	SFF8441000	2	655 ■	3	-	-	-	VSK
	630	ISG630	SFF8451000	3	840 ■	3	-	-	-	VST

### DIN Type ISG Fuse Base 3 Pole

500VAC	160	ISG160	SFF8461000	-	525	1	-	-	-	VSB
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### Fuse Distribution Board

- 16A, 32A, 63A, & 100A 3 phase Fuse distribution boards
- 4/8/142 way Dbs for 16/32/63A and 4/6/8 way DB for 100A
- These use HBC fuses and Fuse holders type NS/SM
- Ample cable space
- Dust protection gaskets, safety phase barriers and detachable end plates at the top and bottom are standard features
- Ref Standard IS 2675-1983



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Rating		No. of ways	List No.	Code Reference	Unit Price (excluding Fuselinks) (Rs.)	Associated HBC Fuselinks		
Volt.	Amp					CLIP-ON	Bolted	
						T	TS	
415V AC	16	4	N4TN	SGV8511004	3950	NS	-	-
		8	N8TN	SGV8511008	5950			
		12	N12TN	SGV8511012	8410			
	32	4	SM32TN4	SGV8615004	7650	-	TIA	TSA
		8	SM32TN8	SGV8615008	12325 ■			
		12	SM32TN12	SGV8615012	17500 ■			
	63	4	SM63TN4	SGV8620004	10350	-	TIA, TIS	TSA, TSS
		8	SM63TN8	SGV8620008	16350 ■			
		12	SM63TN12	SGV8620012	22450			
	100	4	SM100TN4	SGV8625004	18375	-	TCP	TSD
		6	SM100TN6	SGV8625006	24000			
		8	SM100TN8	SGV8625008	26400			

## Wall Mounting & Panel Mounting Units

### Wall Mounting Type Combination Fuse Switch Unit

- ◆ Type CH in Cast iron enclosures from 63A to 315A
- ◆ Type CHD in sheet steel enclosures from 400A to 800A
- ◆ Both CH and CHD available in 3 pole & 4 pole versions



### Wall Mounting Type - Switch Fuse Unit

- ◆ Sheet steel clad switch fuse unit Type LP - 32A & 63A TP & N version with SM fuse holders. These units have side operating handles



### Panel Mounting Type

#### Switch Disconnecter Fuse Units / Fuse Switch Disconnecter Units

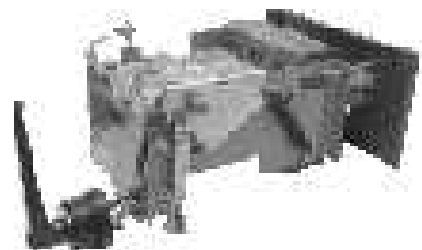
##### Type SP SDFUs

- ◆ Conforms to IS 13947-3-1993
- ◆ Range 32A to 800A, AC23A duty
- ◆ Switch disconnectors and Switch disconnector fuse units available in TPN and 4 pole version
- ◆ Compact dimensions
- ◆ Different configuration to accommodate BS, DIN and clip-on Fuselinks
- ◆ Accessories - Aux switch
- ◆ Door Drive - FD kits Complete with Door Interlock, Defeat and Pad locking facility



##### Type CMM FSDUs

- ◆ Conforms to IS 13947-3-1993
- ◆ 125A to 800A (AC23A) in 2 basic frame sizes
- ◆ Highest current carrying capacity in their class
- ◆ The units have draw-out Fuse Carriage
- ◆ Lowest down time required during fuse failure and maintenance
- ◆ Ideal solution for process industries, where down time is very critical
- ◆ Fixed and Totally Draw out type configuration
- ◆ Robust and sturdy construction - best suited for Indian conditions
- ◆ Only type FSDUs with maintainable contact system
- ◆ Fixed/Moving contacts available as spare



**Wall Mounting Type Combination Fuse Switch Unit**

**Type CH: Cast Iron Enclosure TPN**

Rating		List No.	Code Reference	Unit Price (Rs.) (With type TS Fuselinks)	Associated HBC Fuse-links Bolted Type	
Volt.	Amp				Type T	Type TS
415V AC	63	CH633N(U)	PGH8156102	5500	TIA, TIS	TSA, TSS
	100	CH1003N(U)	PGH8160102	8250	TCP	TSD, TSA
	200	CH2003N(U)	PGH8166102	10900	TC, TF	TSDC, TSF
	315	CH3153N(U)	PGH8170102	14900	TC, TF, TKF	TSDC, TSF, TSK



**Type CH: Four Pole Fuse Switch Units in Cast Iron Enclosure**

Rating		List No.	Code Reference	Unit Price (Rs.) (With type TS Fuselinks)	Associated HBC Fuse-links Bolted Type	
Volt.	Amp				Type T	Type TS
415V AC	100	CH1004P	PGH8160142	10900	TCP	TSD, TSA
	200	CH2004P	PGH8166142	15200	TC, TF	TSDC, TSF
	315	CH3004P	PGH8170142	20700	TC, TF, TKF	TSDC, TSF, TSK

**Type CH: Four Pole Fuse Switch Units in Cast Iron Enclosure**

Rating		List No.	Code Reference	Unit Price (Rs.) (With type TS Fuselinks)	Associated HBC Fuse-links Bolted Type	
Volt.	Amp				Type T	Type TS
415V AC	500	CH5004P	PGH8174142	42400	TTM	TSM, TST
	750	CH7504P	PGH8177142	52400	TTM, TLM	TSM, TST, TSL

**Type CHD: Sheet Steel Enclosure TPN**

Rating		List No.	Code Reference	Unit Price (Rs.) (With type TS Fuselinks)	Associated HBC Fuse-links Bolted Type	
Volt.	Amp				Type T	Type TS
415V AC	400	CHD400	PGH8172102	17600	-	TSMS
	500	CHD500	PGH8174102	27000	-	TSMS, TSTS
	630	CHD630	PGH8176102	29200	-	TSMS, TSTS, TSL
	800	CHD800	PGH8178102	36500	-	TSMS, TSTS, TSL
	800	CHD800*	PGH9101003	24500	-	-



\* Chasis without fuses

**Wall Mounting Type Switch Fuse Units**

**Type LP: TPN Switch Fuse Units in Sheet Steel Enclosure**

Rating		List No.	Code Reference	Unit Price (Rs.) (With type TS Fuselinks)	Associated Fuse-links Bolted Type	
Volt.	Amp				Type T	Type TS
415V AC	32	LP303N	SGG8150202	3100 ■	TIA	TSA
	63	LP603N	SGG8156202	3850 ■	TIA, TIS	TSA, TSS

**Spares for LP/CH/CHD Units**

Rating	Code No.	TP Moving Contact Assembly			TP Shrouded Base Assembly			
		Code Reference	Unit Price (Rs.)	Code Reference	Unit Price (Rs.)			
415V AC	32	LP303N	SGG9000001	495	SGG9000003	925		
	63	LP603N	SGG9000001	495	SGG9000004	1100		
	63	CH633(U)	PGH9000001	1760	PGH9000012	2025		
	100	CH1003(U)	PGH9000002	2200	PGH9000013	2850		
	200	CH2003(U)	PGH9000003	2750	PGH9000014	4180		
	315	CH3153N(U)	PGH9000004	4500	PGH9000060	5280		
	400	CHD400	PGH9000062	5950	PGH9000063	7250		
	500	CHD500	PGH9000064	9100	PGH9000065	18500		
	630	CHD630	PGH9000066	13400	PGH9000067	19800		
	800	CHD800	PGH9000068	14200	PGH9000069	20900		
				FP Moving Contact Assembly			FP Shrouded Base Assembly	
	100	CH1004P	PGH9000044	3500	PGH9000047	4180		
	200	CH2004P	PGH9100045	4300	PGH9100048	5390		
315	CH3154P	PGH9100046	7500	PGH9100061	8250			



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**Panel Mounting Switch Disconnecter/Switch Disconnecter Fuse Units/  
Fuse Switch Disconnecter Units**

**Type SP Switch Disconnecter TPN**

Rating		List No.	Code Reference (TPN)	Unit Price (Rs.)
Volt.	Amp			
690V AC	32	SP32	BGG8459033	1025
	63	SP63	BGG8461033	1425 ■
415V AC	100	SP100	SGG9100004	3450
	125	SPø3	SGG9100006	3750
	250	SPø5	SGG9100013	6600
	400	SPø7	SGG9100018	10700
	630	SP630	SGG9100020	Price on Request

For other ratings and versions, please contact us



**Type SP Switch Disconnecter Fuse Units**

Rating		List No.	Code Reference (TPN)	Unit Price (Rs.)	Code Reference (4 Pole) Switched Neutral	Unit Price (Rs.)	TPN SDF's in SS Enclosure		Associated HBC Fuselinks
Volt.	Amp						Code Reference	Unit Price (Rs.)	
660V AC	32	SP32 EIT-BS	BGG8359044	1130 ■	4th Pole as Switched Neutral available	4700	BGG8358034	2350	EIT
		SP32NS-Clip-on	BGG8359144	1210			BGG8358134	2450	NS
	63	SP63 EIT-BS	BGG8361044	1650 ■			BGG8360034	2850	EIT
		SP63D - DIN	BGG8361344	1840			BGG8360334	3050	VSA
		SP63 ES-Clip-on	BGG8361144	1760			BGG8360134	2950	ES
NEW 100	SP100-BS	SGG8363044	3650	SGG8363043	4700	SGG8363034	4950	TSDS	
	SP100(D) - DIN	SGG8363344	4100	SGG8363343	4950	SGG8363334	5400	VSBS	
NEW 125	SPø3-BS	SGG8362044	4100	SGG8362043	5300	BGG8362034	5400	TSDS	
	SPø3 (D) - DIN	SGG8362344	4700	SGG8362343	5700	BGG8362134	6000	VSBS	
NEW 160	SP160-BS	SGG8365044	4450	SGG8365043	6150	SGG8365034	5850	TSFP	
	SP160(D) - DIN	SGG8365344	4950	SGG8365343	6650	SGG8365334	6150	VSBS	
415V AC	200	SPø4-BS	SGG8366044	5100 ■	SGG8366043	6200	BGG8364043	6500	TSF
		SPø4 (D) - DIN	SGG8366344	5500	SGG8366343	6700	BGG8364343	6900	VSF
250	SPø5-BS	SGG8368044	6800 ■	SGG8368043	7800	BGG8368034	8400	TSF	
	SPø5 (D) - DIN	SGG8368344	7200	SGG8368343	8400	BGG8368334	8800	VSF	
NEW 315	SP06-BS	SGG8369044	9500	SGG8369043	11000	SGG8369034	11200	TSK	
	SP06 - DIN	SGG8369344	10300	SGG8369343	11950	SGG8372034	12000	VSK	
400	SPø7-BS	SGG8372044	10400 ■	SGG8372043	12200	BGG8372034	12600	TSMS	
	SPø7 (D) - DIN	SGG8372344	11000	SGG8372343	12800	BGG8372334	13200	VSK	
630	SP630-BS	SGG8374044	16000	BGG8374043	17300	NA	NA	TSLS	
	SP630(D) - DIN	SGG8374344	17000	BGG8374343	18600	NA	NA	VST	
800	SP800-BS	SGG8380044	19400	BGG8380043	20500	NA	NA	TSLS	
	SP800(D) - DIN	SGG8380344	20700	BGG8380343	22100	NA	NA	-	

**Note :** Price excluding fuse links.



### Type CMM - TPN Fixed Type FSDU

Rating		List No.	Code Reference	Unit Price (Rs.)	Associated HBC Fuselinks	
Volt.	Amp					
415V AC	125	CMM125	PGM8162000	4850	TC, TF	TSDC, TSF
	200	CMM200	PGM8166000	6500	TC, TF	TSDC, TSF
	250	CMM250	PGM8168000	7650	TC, TF	TSDC, TSF, TSK
	315	CMM315	PGM8170000	9300	-	TSK
	400	CMM400	PGM8172000	12000	-	TSMS
	630	CMM630	PGM8176000	18500	TTM, TLM	TSM, TST, TSL
	800	CMM800	PGM8178000	20500	TTM, TLM	TSM, TST

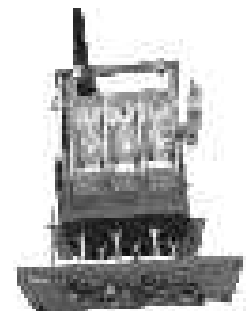
\*Price excluding fuselinks



### TPN Withdrawable Type FSDU

Rating		List No.	Code Reference	Unit Price (Rs.)	Associated HBC Fuselinks	
Volt.	Amp					
415V AC	200	CMM200D	PGM8166400	7200	TC, TF	TSDC, TSF
	250	CMM250D	PGM8168400	8900	TC, TF	TSDC, TSF, TSK
	315	CMM315D	PGM8170400	10800	TC, TF	TSDC, TSF, TSK
	400	CMM400D	PGM8172400	13800	-	TSMS
	630	CMM630D	PGM8176400	21300	TTM, TLM	TSM, TST, TSL
	800	CMM800D	PGM8178400	23700	TSM, TLM	TSM, TST

\*Price excluding fuselinks



### Accessories for SDF Type SP

For SP32/63	Code Reference	Unit Price (Rs.)
Switched Neutral	BGG8900027	385
Auxiliary Kit (1NO+1NC)	BGG8900029	295
Auxiliary Kit (1NO+1NC) only for SP63D	BGG8900041	295
Front Drive Kit for SDF/Switch (Black)	BGG8900031	350
Front Drive for Safety Switches (Red & Yellow)	BGG8900032	385

For SP 100/03/160/04/05/06/07	Code Reference	Unit Price (Rs.)
Auxiliary Contact 1 NO	SGC8308027	165
Auxiliary Contact 1 NC	SGC8308028	165
Phase Barrier kit (SP100/03/160)	SGG8900006	110
Phase Barrier kit (SPø4/5)	-	295
Phase Barrier kit (SPø6/SP07)	-	295
FD Kit for Sp 100/03/160	SGG8900041	460
FD Kit for (Spø4/ø5/ø6/ø7)	SGG8900042	550

\*For product codes please contact our nearest Sales Office

For SP630/800	Code Reference	Unit Price (Rs.)
Switched Neutral	BGG8900035	990
Switch handle with legend plate & gasket	BGG8900036	1100
Tubular shaft	BGG8900037	310
Coupler assembly	BGG8900039	570

All the FD Kits will have Door Interlocking, Defeat & Pad Locking as a standard features

### Spares for CMM Units

Description	Code Reference	Price Per set (Rs.)
<b>Front Drive Kit</b> CMM 125/200/250/315 CMM 400/630/800	PGM0100068 PGM0100069	1100 1420
<b>Moving Contact Carriage</b>		
CMM 125/200	PGM0100033	3500
CMM 250/315	PGM0100034	4500
CMM 400	PMM0100042	8250
CMM 630	PGM0100043	12100
CMM 800	PGM0100044	13200
<b>Caliper Contact Assembly</b> CMM 125/200/250/315 (Each unit requires 6 sets)	PGM0100030	195
Addon 4- pole	PGM8100068	2970



## On Load Changeover Switch - 4 Pole

### Type SPCO

- ◆ Conforms to IS 13947 - 3 - 1993
- ◆ Ratings 63 to 3150A, 4 Pole, 415V, AC23A duty
- ◆ Compact in dimensions
- ◆ High mechanical life
- ◆ LOTO - safety feature allows padlocking and tag fixing
- ◆ Accessories - Auxiliary contacts - upto 2 NO + NC (on request)
- ◆ Extendable shaft - 200mm



Voltage	RATING (A)	List No.	Code	Unit Price Rs.
415V AC	63	SPCO 63	SGG 8601010	3500
	125	SPCO 125	SGG 8601020	6100
	200	SPCO 200	SGG 8601030	7600
	250	SPCO 250	SGG 8601040	11200
	320	SPCO 320	SGG 8601050	11800
	400	SPCO 400	SGG 8601060	16900
	630	SPCO 630	SGG 8601070	19700
	800	SPCO 800	SGG 8601080	28100
	1000	SPCO 1000	SGG 8601090	47500
	1250	SPCO 1250	SGG 8601100	65500
	1600	SPCO 1600	SGG 8601110	95700
	2000	SPCO 2000	SGG 8601120	116000
	2500	SPCO 2500	SGG 8601130	158000
3150	SPCO 3150	SGG 8601140	223000	

## Moulded Case Circuit Breakers

### Type Record Plus

- ◆ Conforms to IEC 60947- 2 / IS 13947-2
- ◆ Double Break contact system - exceptional current limiting, low let thru energy & high contact life
- ◆ Range - 16 to 1600A
- ◆ 3 Pole and 4 Pole versions
- ◆ Thermal Magnetic & Micro Processor based interchangeable trip units
- ◆ Maximum Rated Operational Voltage - 690V AC
- ◆ Load Line interchangeable
- ◆ Suitable for isolation
- ◆ Field fittable accessories:
  - ◆ Alarm / Auxiliary switches ◆ Shunt release
  - ◆ Front Drive kits ◆ UV release
- ◆ Motor Operators, Plug in & Draw out versions, Mechanical Interlocking base plates, ATS Controllers available for complete range



### Type LM

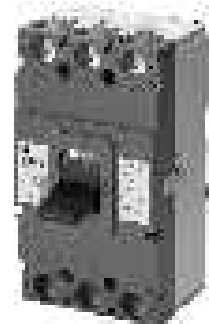
- With continuously adjustable Electronic release
- With Microprocessor release

- ◆ Conforms to - IS13947-2
- ◆ 3 Pole and 4 Pole versions
- ◆ Rated operational voltage - 415V AC
- ◆ 3 frame sizes from 3.2 to 800A
- ◆ 25/35/50/65 KA breaking capacities
- ◆ Field fittable accessories:
  - ◆ Alarm / Auxiliary switches ◆ Shunt release ◆ UV release
  - ◆ Earth Fault module ◆ Front Drive kits



### Type TM 125/200 with adjustable Thermal Magnetic Trip release

- ◆ Conforms to - IS13947-2
- ◆ Rated operational voltage - 415V AC
- ◆ Range, 3 Pole/4 Pole, 16A to 160 A, 415V AC
- ◆ Breaking Capacity 25kA, 36kA
- ◆ Field fittable accessories:
  - ◆ Alarm / Auxiliary switches ◆ Shunt release
  - ◆ Front Drive kits

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**NEW**

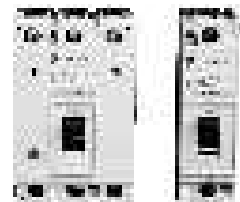
### Type Spectra EZ Thermal Magnetic release\*

- ◆ Conforms to - IS13947-2
- ◆ 10A to 800A, 3 Pole/4 Pole
- ◆ 18kA, 25kA, 36kA, 50kA Breaking Capacity, 415VAC
- ◆ Range of internal external accessories

\*Prices on request

### Type Therm 100 with Thermal Magnetic Trip release

- ◆ Conforms to IS 13947-2
- ◆ Range upto 100A, 10KA, 415V AC
- ◆ 1 Pole and 3 Pole versions
- ◆ For DC application, 15A to 200A, 130V DC, Single Pole version, 5KA



Frame / BC Rel	Cat Ref	Poles	Breaking Capacity Icu	Range	Code	List (Rs.)
FDE 25 kA Thermo Magnetic OL (0.8-1) in SC - Fixed	Thermo Magnetic Release					
	FDE35TC016EF	3	25kA	16A	433649	4800
	FDE35TC020EF	3	25kA	20A	433651	
	FDE35TC025EF	3	25kA	25A	433653	
	FDE35TC032EF	3	25kA	32A	433655	
	FDE35TC040EF	3	25kA	40A	433657	
	FDE35TC050EF	3	25kA	50A	433661	
	FDE35TC063EF	3	25kA	63A	433659	
	FDE35TC080GF	3	25kA	80A	433663	
	FDE35TC0100GF	3	25kA	100A	433665	5800
	FDE35TC0125GF	3	25kA	125A	433667	
	FDE35TC0160GF	3	25kA	160A	433669	7200
	FDE45TC016EF	4	25kA	16A	433697	5700
	FDE45TC020EF	4	25kA	20A	433699	
	FDE45TC025EF	4	25kA	25A	433701	
	FDE45TC032EF	4	25kA	32A	433703	
	FDE45TC040EF	4	25kA	40A	433705	
	FDE45TC050EF	4	25kA	50A	433707	
	FDE45TC063EF	4	25kA	63A	433709	
	FDE45TC080GF	4	25kA	80A	433711	
FDE45TC100GF	4	25kA	100A	433713		
FDE45TC125GF	4	25kA	125A	433715	7100	
FDE45TC160GF	4	25kA	160A	433717	8600	
FDS 36kA Thermo Magnetic OL-(0.8-1) In SC - Fixed	Thermo Magnetic Release					
	FDS35TD016ED	3	36kA	16A	430161	5300
	FDS35TD020ED	3	36kA	20A	430163	
	FDS35TD025ED	3	36kA	25A	430165	
	FDS35TD032ED	3	36kA	32A	430167	
	FDS35TD040ED	3	36kA	40A	430169	
	FDS35TD050ED	3	36kA	50A	430178	
	FDS35TD063ED	3	36kA	63A	432952	
	FDS35TD080GD	3	36kA	80A	432955	
	FDS35TD100GD	3	36kA	100A	432958	6300
	FDS35TD125GD	3	36kA	125A	432961	
	FDS35TD160GD	3	36kA	160A	433602	8100
	FDS45TD016ED	4	36kA	16A	430224	6600
	FDS45TD020ED	4	36kA	20A	430226	
	FDS45TD025ED	4	36kA	25A	430228	
	FDS45TD032ED	4	36kA	32A	430230	
	FDS45TD040ED	4	36kA	40A	430232	
	FDS45TD050ED	4	36kA	50A	430241	
	FDS45TD063ED	4	36kA	63A	432964	
	FDS45TD080GD	4	36kA	80A	432967	
FDS45TD100GD	4	36kA	100A	432970		
FDS45TD125GD	4	36kA	125A	432973	8200	
FDS45TD160GD	4	36kA	160A	433604	9900	



Frame / BC Rel	Cat Ref	Poles	Breaking Capacity Icu	Range	Code	List (Rs.)	
FDN 50kA Thermo Magnetic OL-(0.8-1) In SC - Fixed	Thermo Magnetic Release						
	FDN36TD016ED	3	50kA	16A	430100	7500	
	FDN36TD020ED	3	50kA	20A	430101		
	FDN36TD025ED	3	50kA	25A	430102		
	FDN36TD032ED	3	50kA	32A	430103		
	FDN36TD040ED	3	50kA	40A	430104		
	FDN36TD050ED	3	50kA	50A	430105		
	FDN36TD063ED	3	50kA	63A	430106		
	FDN36TD080GD	3	50kA	80A	430630		
	FDN36TD100GD	3	50kA	100A	430633		
	FDN36TD125GD	3	50kA	125A	430636	9000	
	FDN36TD160GD	3	50kA	160A	433572	11500	
	FDN46TD016ED	4	50kA	16A	430131	8800	
	FDN46TD020ED	4	50kA	20A	430132		
	FDN46TD025ED	4	50kA	25A	430133		
	FDN46TD032ED	4	50kA	32A	430134		
	FDN46TD040ED	4	50kA	40A	430135		
	FDN46TD050ED	4	50kA	50A	430136		
	FDN46TD063ED	4	50kA	63A	430137		
	FDN46TD080GD	4	50kA	80A	430752		
FDN46TD100GD	4	50kA	100A	430755			
FDN46TD125GD	4	50kA	125A	430758	11800		
FDN46TD160GD	4	50kA	160A	433590	14800		

Frame / BC Rel	Cat Ref	Poles	Breaking Capacity Icu	Range	Code	List (Rs.)
Manual Operator	FDNRD/5	Extended / Panel or Door Mounted Rotary Handle			436493	1700
	FDNRC/5	Rotary Handle through Door*			436491	1140
	FD FH	Flange			430829	400
Motor Operator	FDEMFD	Motor Mechanism 24V AC/DC			430926	11650
	FDEMFF	Motor Mechanism 48V AC/DC			430929	
	FDEMFH	Motor Mechanism 60V AC/DC			430932	
	FDEMFJ	Motor Mechanism 110V AC/DC			430935	
	FDEMFN	Motor Mechanism 220/250V AC/DC			430938	
	FDEMF8	Motor Mechanism 400/440V AC			430920	
Connection Accessories	FDBSS3	3 Pole Spreader for FD - (set of 3)			430891	375
	FDBSS4	4 Pole Spreader for FD - (set of 4)			430892	520
	FDJP	Phase Barrier FD - (set of 12)			430957	650
	FDDDF3	FD - Plug-in System 3 Pole			430893	6000
	FDDDF4	FD - Plug-in System 4 Pole			430896	8000
RCD Modules	FDQDB3H	RCD Bottom Mounted 3P 220/440V			431078	9800
	FDQDB3M	RCD Bottom Mounted 3P 400/690V			431076	9800
	FDQDB4H	RCD Bottom Mounted 4P 220/440V			431084	10800
	FDQDB4M	RCD Bottom Mounted 4P 400/690V			431080	10800

\* Door Flange FDFH to be ordered separately to use the Door Interlock options



Frame / BC Rel	Cat Ref	Poles	Breaking Capacity Icu	Range	Code	List (Rs.)
Thermo Magnetic Release						
FEV 36kA Thermo Magnetic OL-(0.8-1) In SC-(5-10) Ir	FEV36TA160KF	3	36kA	160A	436798	11200
	FEV36TA200KF	3	36kA	200A	431058	12700
	FEV36TA250KF	3	36kA	250A	431061	13900
	FEV46TA160KF	4	36kA	160A	436817	15100
	FEV46TA200KF	4	36kA	200A	431094	16500
	FEV46TA250KF	4	36kA	250A	431097	17500
FEN 50kA Thermo Magnetic OL-(0.8-1) In SC-(5-10) Ir	FEN36TA100JF	3	50kA	100A	431757	11400
	FEN36TD125KF	3	50kA	125A	432962	12900
	FEN36TD160KF	3	50kA	160A	432976	15600
	FEN36TD200KF	3	50kA	200A	432979	16300
	FEN36TD250KF	3	50kA	250A	432982	17500
	FEN46TA100JF	4	50kA	100A	431955	15800
	FEN46TD125KF	4	50kA	125A	433070	19400
	FEN46TD160KF	4	50kA	160A	433076	19800
	FEN46TD200KF	4	50kA	200A	433079	20800
	FEN46TD250KF	4	50kA	250A	433082	21900
Micro Processor Release SMR 1 W/O Rating Plug						
FEN 50kA Micro Processor	FEN36AA125KGF	3	50kA	125A	431920	18200
	FEN36AA160KJF	3	50kA	160A	431706	18200
	FEN36AA250KKF	3	50kA	250A	431709	20200
	FEN46AA125KGF	4	50kA	125A	431938	24100
	FEN46AA160KJF	4	50kA	160A	431793	24100
	FEN46AA250KKF	4	50kA	250A	431796	27000
Adjustable Rating Plug OL-(0.625-1) In SC-(2-13) Ir	FERJ3G0125	3		FE250-125 Adj Plug 125A	432912	1000
	FERJ3J0160	3		FE250-160 Adj Plug 160A	432195	1000
	FERJ3K0250	3		FE250-250 Adj Plug 250A	432207	1000
	FERJ4G0125	4		FE250-125 Adj Plug 125A	432294	1200
	FERJ4J0160	4		FE250-160 Adj Plug 160A	432297	1200
	FERJ4K0250	4		FE250-250 Adj Plug 250A	432309	1200
Switchable Rating Plug OL-(0.4-1) In SC-(2-13) Ir	FERS3K250	3		Switchable Plug FE250-250A	432327	1200
	FERS4K250	4		Switchable Plug FE250-250A	432378	1600

Manual Operators	FENRD/5		Extended / Panel or Door Mounted Rotary Handle	436493	1900
	FENRC/5		Rotary Handle through Door*	436491	1300
	FDFH		Flange	430829	400

\* Door Flange FDFH to be ordered separately to use the Door Interlock options



Motor Operators	FEEMFD		Motor Mech 24V AC/DC	432052	17300
	FEEMFF		Motor Mech 48AC/DC	432055	
	FEEMFH		Motor Mech 60AC/DC	432058	
	FEEMFJ		Motor Mech 110/130V AC/DC	432061	
	FEEMFN		Motor Mech 220/250V AC/DC	432064	
	FEEMF8		Motor Mech 400/440 V AC	435812	
Connection Accessories	FEBSS3		3 Pole Spreader for FE-(set of 3)	432032	475
	FEBSS4		4 Pole Spreader for FE-(set of 4)	432033	595
	FEJP		Phase Barrier set of 12	432085	900
	FEDDF3		Plug in Unit 3P	432034	6500
	FEDDF4		Plug in Unit 4P	432037	8500
	FEWS3		Draw out system 3P	432168	13000
	FEWS4		Draw out system 4P	432171	15500
RCD Module	FEQDB3MJ	3	160A 220/440V AC-Bottom Mounted	431136	10500
	FEQDB3HJ	3	160A 400/690V AC-Bottom Mounted	431118	10500
	FEQDB3MK	3	250A 220/440V AC-Bottom Mounted	431139	12000
	FEQDB3HK	3	250A 400/690V AC-Bottom Mounted	431124	12000
	FEQDB4MJ	4	160A 220/440V AC-Bottom Mounted	431159	10500
	FEQDB4HJ	4	160A 400/690V AC-Bottom Mounted	431145	10500
	FEQDB4MK	4	250A 220/440V AC-Bottom Mounted	431161	12000
	FEQDB4HK	4	250A 400/690V AC-Bottom Mounted	431151	12000

Frame / BC Rel	Cat Ref	Poles	Breaking Capacity Icu	Range	Code	List (Rs.)
FGN 50kA Micro Processor	Micro Processor Release SMR1 w/o rating plug					
	FGN36AA400LLF	3	50kA	400A	431455	27800
	FGN36AA630NNF	3	50kA	630A	431461	29800
	FGN46AA400LLF	4	50kA	400A	431536	36800
	FGN46AA630NNF	4	50kA	630A	431539	39800
Rating Plug for SMR1						
Adjustable Rating Plug OL-(0.625-1) In SC-(2-13) Ir	FGRJ3LL0400	3		FG400-400 Adj Plug 400A	433151	1000
	FGRJ3NN0630	3		FG630-630 Adj Plug 630A	433157	1000
	FGRJ4LL0400	4		FG400-400 Adj Plug 400A	433187	1200
	FGRJ4NN0630	4		FG630-630 Adj Plug 630A	433193	1200
Switchable Rating Plug OL-(0.4-1) In SC-(2-13) Ir	FGRS3LL0350	3		FG400-400 Sw Plug 350A	435435	1200
	FGRS3NN0500	3		FG630-630 Sw Plug 500A	434512	1200
	FGRS4LL0350	4		FG400-400 Sw Plug 350A	434537	1400
	FGRS4NN0500	4		FG630-630 Sw Plug 500A	434542	1400
FGN 50kA Micro Processor	Micro Processor Release SMR2 w/o rating plug					
	FGN36AV400LLF	3		400A	436156	44000
	FGN36AV630NNF	3		630A	436158	46500
	FGN46AV400LLF	4		400A	436160	52000
	FGN46AV630NNF	4		630A	434092	55000
Rating Plug for SMR2						
Adjustable LT & LTD Rating Plug	FGRL3LL0400	3		FG400 - 400 Adj Plug 400A	434099	1400
	FGRL3NN0630	3		FG630-630 Adj Plug 630A	434100	1400
	FGRL4LL0400	4		FG400-400 Adj Plug 400A	434111	1600
	FGRL4NN0630	4		FG630-630 Adj Plug 630A	434112	1600
Manual Operator	FGNRD/5	Extended / Panel or Door Mounted Rotary Handle			436506	2800
	FGNRF/5	Direct Rotary Handle			436509	1900

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	Description	Code Reference	*Two Letter Suffix for Motor Operator	List (Rs.)
FG MCCB + Motor Operator	MCCB + Motor Operator 24V AC/DC	FG MCCB 6 Digit Code - -*	MD	Add Rs.24000 to the basic price of the MCCB
	MCCB + Motor Operator 48V AC/DC	FG MCCB 6 Digit Code - -*	MF	
	MCCB + Motor Operator 60V AC/DC	FG MCCB 6 Digit Code - -*	MH	
	MCCB + Motor Operator 110V AC/DC	FG MCCB 6 Digit Code - -*	MJ	
	MCCB + Motor Operator 220/250V AC/DC	FG MCCB 6 Digit Code - -*	MN	
	MCCB + Motor Operator 400/440V AC	FG MCCB 6 Digit Code - -*	M8	

Frame / BC Ref	Cat Ref	Rating	Code	List (Rs.)
Connection Accessories	FGBSS3	3 Pole Spreader for FG-(set of 3)	431981	1400
	FGBSS4	4 Pole Spreader for FG-(set of 4)	431982	1800
	FGJP	Phase Separator (set of 12)	432852	1500
	FGDDF3	Plug in Unit 3P	430944	14500
	FGDDF4	Plug in Unit 4P	431064	18000
	FGWS3	Draw out System 3P	432910	24000
	FGWS4	Draw out System 4P	432913	27000
RCD Modules	FGQDB3M	FG RCD 3P 400/630A 220/440V	430860	19000
	FGQDB3H	FG RCD 3P 400/630A 400/690V	430856	19000
	FGQDB4M	FG RCD 4P 400/630A 220/440V	430869	23000
	FGQDB4H	FG RCD 4P 400/630A 400/690V	430865	23000

SMR 2 optional Modules				
Add on Modules SMR 2	FAMECM	External contact module (4 contacts, 1A/400V)	434013	10500
	FAMAM2	Ammeter with 4 digit LCD display	436183	5000
	FAMGAM2	Groundfault Alarm + Modbus communication	436185	8000
	FAMGAS2	Groundfault Alarm + 2 channel load shedding device	436186	6000
	FAMGAT2	Groundfault Alarm + fault type indicators	436187	6000
	FAMGFM2	Groundfault Protection + modbus communication	436188	8000
	FAMGFS2	Groundfault Protection + 2 channel load shedding device	436189	6000
	FAMGFT2	Groundfault Protection + fault type indicators	436190	6000
	FAMSM2	2 Channel load shedding device + Modbus communication	436192	8000
	FAMST2	2 Channel load shedding device + fault type indicators	436197	6000
	FAMMT2	Fault type indicators + Modbus communication	436191	8000

### Accessories Common to FD / FE / FG

Aux. / Alarm Contact	FAS10R	Aux. switch right mounted 1NO	430837	425
	FAS01R	Aux. switch right mounted 1NC	430831	
	FAS10L	Aux. switch left mounted 1NO	430834	
	FAS01L	Aux. switch left mounted 1NC	430828	
	FABAT10	Bell alarm trip unit (FD) / Bell alarm electronic trip unit (FE/FG) / Bell alarm RCD Device (FD/FE/FG) 1NO	430818	
	FABAT01	Bell alarm trip unit (FD) / Bell alarm electronic trip unit (FE/FG) / Bell alarm RCD Device (FD/FE/FG) 1NC	430815	
	FEBAT10	Bell alarm Thermal Magnetic trip unit (FE only) 1NO	430970	
	FEBAT01	Bell alarm Thermal Magnetic trip unit (FE only) 1NC	430969	
	FDBAM11	Bell alarm Mechanism - 1C / O contact (1NO + 1NC) - FD only (not for FDC & FDE)	430880	
	FABAM10	Bell alarm Mechanism (FE/FG) - 1NO	432003	
	FABAM01	Bell alarm Mechanism (FE/FG) - 1NC	432000	
Shunt Release	FASHTB	Shunt Release 12V DC	430840	1400
	FASHTD	Shunt Release 24V AC/DC	430843	
	FASHTF	Shunt Release 48V AC/DC	430846	
	FASHTJ	Shunt Release 110/130V AC/DC	430849	
	FASHTN	Shunt Release 220/240V AC 250V DC	430852	
	FASHTU	Shunt Release 400/480V AC	430855	
UV Release	FAUVRD	Under Voltage Release 24V AC/DC	430861	1925
	FAUVRF	Under Voltage Release 48V AC/DC	430864	
	FAUVRJ	Under Voltage Release 110/130V AC/DC	430867	
	FAUVRN	Under Voltage Release 220/240V AC 250V DC	430870	
	FAUVRU	Under Voltage Release 400/480V AC	430873	



Cat Ref	Poles	Breaking Capacity Icu	Description	Code	List (Rs.)
Thermo Magnetic Release					
FKN36NT630PF	3	50kA	630A	435444	
FKN36NT800PF	3	50kA	800A	435336	
FKN36NT100SF	3	50kA	1000A	435550	
FKN36NT125SF	3	50kA	1250A	435551	
Micro Processor Release SMR					
FKN36NE800PPF	3	50kA	800A	435393	
FKN36NE100SQF	3	50kA	1000A	435396	
FKN36NE125SSF	3	50kA	1250A	435384	
FKN36NE160TTF	3	50kA	1600A	435387	
FKN46NE800PPF	4	50kA	800A	435447	
FKN46NE100SQF	4	50kA	1000A	435450	
FKN46NE125SSF	4	50kA	1250A	435438	
FKN46NE160TTF	4	50kA	1600A	435441	
Thermo Magnetic Release					
FKH36NT630PF	3	80kA	630A	435426	
FKH36NT800PF	3	80kA	800A	435318	
FKH36NT100SF	3	80kA	1000A	435553	
FKH36NT125SF	3	80kA	1250A	435554	
Micro Processor Release SMR					
FKH36NE100SQF	3	80kA	800A	435288	
FKH36NE125SSF	3	80kA	1000A	435276	
FKH36NE160TTF	3	80kA	1250A	435279	
FKH36NE800PPF	3	80kA	1600A	435285	
FKH46NE800PPF	4	80kA	800A	435339	
FKH46NE100SQF	4	80kA	1000A	435342	
FKH46NE125SSF	4	80kA	1250A	435330	
FKH46NE160TTF	4	80kA	1600A	435333	
FNEMFD			Motor Mechanism 24V AC/DC	435683	
FNEMFF			Motor Mechanism 48V AC/DC	435680	
FNEMFJ			Motor Mechanism 110V AC/DC	435686	
FNEMFN			Motor Mechanism 230V AC/DC	436324	
FNNRD			Ext. Rotary Handle	436519	
FNNRF			Direct Rotary Handle	435739	
FNPFM			Aux. Disconnects	435758	
FNBA11R			Bell alarm contact right mounted CO	435761	
FNS11R			Aux. switch right mounted CO	436401	
FNSHT8			Shunt Release 380/440V AC/DC	435692	
FNSHTD			Shunt Release 24V AC/DC	435693	
FNSHTF			Shunt Release 48V AC/DC	435694	
FNSHTJ			Shunt Release 110/130V AC/DC	435695	
FNSHTN			Shunt Release 220/240V AC 250V DC	435696	
FNUVD6			Delayed Under Voltage Release 230V AC	435697	
FNUVR1			Under Voltage Release 24 V AC	435698	
FNUVR6			Under Voltage Release 230 V AC	435699	
FNUVR8			Under Voltage Release 400 V AC	435700	
FNUVRD			Under Voltage Release 24 V DC	435701	
FNUVRF			Under Voltage Release 48 V DC	435702	
FNBS3P			Spreader for FK08 - FK12 3P	435708	
FNBS3R			Spreader for FK16 3P	435710	
FNBS4P			Spreader for FK08 - FK12 4P	435711	
FNBS4R			Spreader for FK16 4P	435712	
FNJP			Phase Barrier FK	435722	

Price on Request



## LM Moulded Case Circuit Breaker - 3 Pole and 4 Pole

(With continuously adjustable Electronic release) O/L (Ir): 0.5-1 In, S/C: 2-10 Ir

Breaking Capacity	Rating	Type	3 Pole		4 Pole*	
Ics (KA)	(A)		Code Reference	Unit Price (Rs.)	Code Reference	Unit Price (Rs.)
25	3.2	LM100C	SGC8848050	5500	SGC8848041	8500
25	6.3	LM100C	SGC8854050	5500	SGC8854041	8500
25	12.5	LM100C	SGC8860050	5500	SGC8860041	8500
25	25	LM100C	SGC8866050	5500	SGC8866041	8500
25	50	LM100C	SGC8872050	5500	SGC8872041	8500
25	100	LM100C	SGC8801050	5500	SGC8801041	8500
25	125	LM125C	SGC8890050	6200	SGC8890041	9500
25	160	LM160C	SGC8896050	7600	SGC8896041	10700
25	200	LM200C	SGC8188070	8700	SGC8802041	12500
35	3.2	LM100R	SGC8848030	7100	SGC8848021	9700
35	6.3	LM100R	SGC8854030	7100	SGC8854021	9700
35	12.5	LM100R	SGC8860030	7100	SGC8860021	9700
35	25	LM100R	SGC8866030	7100	SGC8866021	9700
35	50	LM100R	SGC8872030	7100	SGC8872021	9700
35	100	LM100R	SGC8801030	7100	SGC8801021	9700
35	125	LM125R	SGC8890030	8200	SGC8890021	12100
35	160	LM160R	SGC8896030	8900	SGC8896021	13000
35	200	LM200R	SGC8188060	11900	SGC8802021	16800
35	250	LM250R	SGC8888090	15100	SGC8882001	19000
35	400	LM400R	SGC8804060	17900	SGC8804021	26000
50	3.2	LM100	SGC8848010	9050	SGC8848001	11150
50	6.3	LM100	SGC8854010	9050	SGC8854001	11150
50	12.5	LM100	SGC8860010	9050	SGC8860001	11150
50	25	LM100	SGC8866010	9050	SGC8866001	11150
50	50	LM100	SGC8872010	9050	SGC8872001	11150
50	100	LM100	SGC8801010	9050	SGC8801001	11150
50	125	LM125	SGC8890010	10300	SGC8890001	17200
50	200	LM200	SGC8188050	14500	SGC8802001	22700
50	250	LM250B	SGC8188090	16000	SGC8888001	23200
50	400	LM400B	SGC8804310	20000	SGC8804001	28000
50	630	LM630B	SGC8806200	23900	SGC8806001	32000
50	800	LM800B	SGC8808150	26000	SGC8808001	42000

### LM Pro MCCBs - With Microprocessor Release

(with O/L Short circuit, Instantaneous, Earth fault, Distinct fault indication & Trip history)

50	400	LM400B	SGC8804320	32000	SGC8804005	43000
50	630	LM630B	SGC8806210	37000	SGC8806005	46000
50	800	LM800B	SGC8808160	42000	SGC8808005	55000

\* 4 Pole MCCB's - Neutral 100% rated



Accessories for LM MCCB (3 Pole and 4 Pole) - Field Fittable

Field Fittable Accessories

Frame	Rotary Controls		EFM (Adj. Setting)
	3 & 4 Pole		
	Code reference	Unit Price (Rs.)	3 Phase, 3 Wire systems only
DD160	SGC8301073	840 ■	5650
DD250	SGC8302055	940	6300
DD800	SGC8308041	1200 ■	6500

Accessories for LM MCCB (3 Pole and 4 Pole) - Field Fittable

For use with Frame	Aux/Alarm Contact (1NO)		Aux/Alarm Contact (1NC)		UV Release			Shunt Trip Release		
	Code Ref.	Unit Price (Rs.)	Code Ref.	Unit Price (Rs.)	Voltage (AC)	Code ref.	Unit Price (Rs.)	Voltage	Code Ref.	Unit Price (Rs.)
100A/125A/160A	SGC8308027	160	SGC8308028	160	240V 415V	Factory fitted	1050	110-415V AC 110-220V DC	SGC8301071	680 ■
								24-48V AC/DC	SGC8301072	
200A/250A	SGC8308027	160	SGC8308028	160	240V 415V	SGC8302044 SGC8302053* SGC8302043 SGC8302054*	1050 1150 1150 1150	110-415V AC 110-220V DC	SGC8301071	1050 ■
						SGC8308035 SGC8304016* SGC8308034 SGC8304017*	1050 1150 1250 1475	24-48V AC/DC	SGC8301072 SGC8308039 SGC8308040	

\* UV release with delay, 200 + msec available on request, contact our nearest Sales Office for delivery

Factory Fitted Accessories for LM MCCB

Frame	UV Electronic #240/415V AC	EF ♦ (Adj. Setting) 3 Ph, 4 Wire A 3Ph, 3 Wire Systems
	Unit Price (Rs.)	Unit Price (Rs.)
100/125/160A	705	5650
200/250A	NA	6300
400/630/800A	NA	6500

Therm 100 MCCB

Breaking Capacity (kA)	Rating Amp.	Type	Unit Price (Rs.)
10	16,20,32,40,50,63,80 & 100	Therm100-TP	2100
	20,36,40,50,63,80 & 100	Therm100-SP	950

Note: # The Electronic UV is not a no volt coil, contact our nearest sales office for technical specifications.

♦External CBCT has tapping of 20%, 30% and 40% In

TM 125/ 200 (160A), 3 Pole/4Pole Front Adjustable Trip Unit

Breaking Capacity (KA)	Rating	3 Pole	4 Pole
		Unit Price (Rs.)	Unit Price (Rs.)
25	16,20,32,40,50,63,80,100	4000	5300
	125	5050	6300
	160	6900	7600
36	16,20,32,40,50,63,80,100	5050	6300
	125	5250	6600
	160	7300	8900

NEW

TM 125/ 200 - Accessories

Description	Unit Price (Rs.)
Shunt Release, 110 - 415 V AC	750
Trip alarm Contact	450
Auxiliary Contact	450
Rotary Handle (mccb Mntg)	780
Rotary Handle (Door Mntg)	800
Phase Barriers (Set of 2)	95
Extension Terminals (Set of 3)	350
Extension Terminals (Set of 4)	480



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## MPACT MPRO Air Circuit Breaker

- ◆ Conforms to IEC 60947 Part II
- ◆ Full certification to ASTA / LOVAG / KEMA
- ◆ Ratings 800 - 4,000A (5000 to 6300A on request)
- ◆ Compacted into 2 frame sizes (5000 to 6300A in frame 3)
- ◆ True RMS sensing, micro processor based protection releases
- ◆ 50 / 65 / 80 kA performance
- ◆ Built-in safety features offered as standard
- ◆ Field Fittable accessories
- ◆ Rear or front access connections
- ◆ Common dimensions for ease of installation
- ◆ Minimal clearance achieved reducing cubicle size
- ◆ Unique earth fault protection (unrestricted & restricted)
- ◆ Compatibility for simple upgrades



**Prices available on request**

## Spectronic S Air Circuit Breaker

- ◆ New generation ACBs with most modern design with "Static" or "Microprocessor based" protection releases ensuring total discrimination
- ◆ Conforms to IEC60947-2/IS13947-2. Type tested at CPRI for IS13947-2
- ◆ Range 800A to 4000A
- ◆ High breaking capacities from 55KA to 90KA
- ◆ 3 pole and 4 pole versions, Withdrawable and fixed type, Manual or Motor operation
- ◆ Tropicalised to Class I (standard) and Class II (optional)
- ◆ Static release LMZ - 7 with O/L, S/C, & E/F protection
- ◆ Microprocessor based protection release - RMS 7, RMS 9D (communication compatible)
- ◆ Flexible terminal options
- ◆ Highest electrical & mechanical endurance
- ◆ Most user friendly for handling



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**Release Selection**

**LMZ7**

- ◆ Standard Protection - Overload, Short Circuit

Option (Factory Fitted)

- ◆ With Earth Fault Protection
- ◆ With Distinct fault indicator

**RMS 7**

- ◆ Standard Protection - Overload, Short Circuit & Instantaneous

Option (Site Fittable)

- ◆ Earth Fault (EF) Protection
- ◆ Distinct fault indicator (O/L, S/C & EF)
- ◆ Rating plug

**RMS9**

- ◆ Standard Protection - Overload, Short Circuit, Instantaneous & Earth Fault
- ◆ Communication port

Options (Site Fittable)

- ◆ Rating plug
- ◆ Voltage Conditioner (set of 3) - for all voltage based parameters including power measurement
- ◆ Zone selective interlock
- ◆ Modbus concentrator

**Spectronic S ACB Withdrawable Version**

Schedule 'A' lists prices of Air Circuit Breaker with the following accessories IMS	Schedule 'B' lists prices of Air Circuit Breaker with the following accessories MWS
1 Independent manual spring closing mechanism	1 Motor-Wound spring charged closing with motor
1 Static release LMZ-7 with 4 Cts	1 Closing Coil
or	1 Shunt Trip Release
1 Microprocessor ( $\mu$ P) release RMS 7 with 3* Cts of standard ratings	1 Static release LMZ 7 with 4 CTs
or	or
1 Auxiliary Switches with 4NO + 4NC contacts	1 Microprocessor ( $\mu$ P) release RMS 7 with 3* Cts of standard ratings
4 Blocks of 6-Way sliding type LT disconnectors	1 Auxiliary Switch with 4 NO + 4 NC contacts
1 Rating Error prevention plug	4 Blocks of 6-Way sliding type LT disconnectors
1 Racking Handle	1 Rating Error prevention plug
1 Set of Safety Shutters	1 Racking Handle
	1 Set of Safety Shutter

\* If RMS 7 is ordered with EF module the ACB is supplied with 4 CTS. 4 Pole ACB is supplied with 4 CTS. 4th CT for Neutral

**Spectronic SP ACB Fixed Version (IMS)**

- Fixed version with rear horizontal terminals
- Two basic frame sizes covering from 800 to 1600A in frame 1 & 2000 and 2500A in frame 2 (Height & Depth remains same through out the range)
- Breaking Capacities from 55 - 60KA
- 3-pole and 4-pole configuration
- Field fittable accessories like under voltage and shunt trip release
- Manually operated
- Accurate protection with static / micro processor based protection releases (LMZ7/RM7)



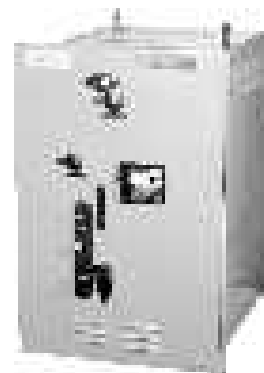
**M - Pact Air Circuit Breaker**

- ◆ Conforms to IS 13947-2-1993
- ◆ Cassette mounted horizontal draw out type ACB fitted with fully interlocked cassette door automatic safety shutters, mechanical ON/OFF indicators
- ◆ Cassette mounted ACB ensures validity of short circuit tests
- ◆ Cassette finished to light grey, shade 631 of IS 5
- ◆ Two types of static trip release (LMZ 2 & CTZM 71 with highly flexible over current/short circuit and earth fault trip characteristics)
- ◆ 3 basic frame sizes for rating from 630A to 4000A
- ◆ 4 pole version available upto 2500A
- ◆ Service/Test/Isolated position with position indicators
- ◆ Provision for castell lock
- ◆ More than three decades of proven performance across various industries



### M-Pact Withdrawable Version

Schedule 'A' lists price of Air Circuit Breakers with the following accessories: IMS	Schedule 'B' lists price of Air Circuit Breakers with the following accessories: MWS
<ul style="list-style-type: none"> <li>1 Independent manual spring closing mechanism</li> <li>1 Static trip release LMZ2 for over current/short circuit/EF release complete with 4 CTS of standard rating</li> <li>1 Auxiliary switch with 4 NO and 4 NC contacts</li> <li>3 Sets of 6-way sliding type LT disconnecter</li> <li>1 Operating handle</li> <li>1 Set of Safety shutters</li> </ul>	<ul style="list-style-type: none"> <li>1 Motor-wound spring charged closing mechanism with motor</li> <li>1 Spring release coil (closing coil)</li> <li>1 Shunt trip release</li> <li>1 Static trip release LMZ2 for over current/short circuit/EF release complete with 4 CTs of Standard rating</li> <li>1 Auxiliary switch with 4 NO and 4 NC contact</li> <li>3 Sets of 6-ways sliding LT disconnecter</li> <li>1 Spring charging handle</li> <li>1 Racking handle</li> <li>1 Set of Safety shutters</li> </ul>



### Unepact Air Circuit Breaker

- ◆ Compact ACB design for switchboard construction for shallow depth panel (500mm) (Height & Depth common throughout the range)
- ◆ 2 basic frame sizes for 800A to 2500A rating
- ◆ 50KA Breaking Capacity
- ◆ 3 pole and 4 pole versions
- ◆ Manually operated
- ◆ Uniform door cut-out
- ◆ Flexible static trip release type RW2
- ◆ Provision for castell lock
- ◆ Fixed/Drawout version

Fixed	Withdrawable
Schedule 'A' lists price of Air Circuit Breakers with the following accessories:	Schedule 'B' lists price of Air Circuit Breakers with the following accessories:
<ul style="list-style-type: none"> <li>1 Independent manual spring closing mechanism</li> <li>1 Static trip release RW2 with over current/short circuit/EF protection complete with 4CTs of standard rating</li> <li>1 Auxiliary switch with 3 NO and 3 NC contacts</li> <li>1 Operating handle</li> </ul>	<ul style="list-style-type: none"> <li>1 Independent manual spring closing mechanism</li> <li>1 Static RW2 over current/short circuit/EF release complete with 4 CTs of standard rating</li> <li>1 Auxiliary switch with 6 NO and 6 NC contacts</li> <li>4 Sets of 6-way plug &amp; socket type LT disconnecter</li> <li>1 Racking handle</li> <li>1 Set of Safety shutters</li> </ul>



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**Spectronics S Range 3Pole Draw-Out ACBs**

Rating (Amps)	Static Release LMZ7 (O/L,S/C)		Static Release LMZ7 (O/L,S/C,EF)		Microprocessor Release RMS7 (O/L,S/C)		Microprocessor Release RMS7 (O/L,S/C,E/F)	
	IMS Schedule A	MWS ScheduleB	IMS Schedule A	MWS ScheduleB	IMS Schedule A	MWS ScheduleB	IMS Schedule A	MWS ScheduleB
800	85000	115000	88000	118000	96000	126000	99000	129000
1000	90000	120000	93000	123000	101000	131000	104000	134000
1250	112000	142000	115000	145000	123000	153000	126000	156000
1600	124000	154000	127000	157000	135000	165000	138000	168000
2000	150000	180000	153000	183000	161000	191000	164000	194000
2500	176000	206000	179000	209000	187000	217000	190000	220000
3200	232000	262000	235000	265000	243000	273000	246000	276000
4000	292000	322000	295000	325000	303000	333000	306000	336000

**Spectronics S Range 4Pole Draw-Out ACBs**

Rating (Amps)	Static Release LMZ7 (O/L,S/C)		Static Release LMZ7 (O/L,S/C,EF)		Microprocessor Release RMS7 (O/L,S/C)		Microprocessor Release RMS7 (O/L,S/C,E/F)	
	IMS Schedule A	MWS ScheduleB	IMS Schedule A	MWS ScheduleB	IMS Schedule A	MWS ScheduleB	IMS Schedule A	MWS ScheduleB
800	109000	149000	112000	152000	120000	160000	123000	163000
1000	116000	156000	119000	159000	127000	167000	130000	170000
1250	144000	184000	147000	187000	155000	195000	158000	198000
1600	159000	199000	162000	202000	170000	210000	173000	213000
2000	193500	233500	196500	236500	204500	244500	207500	247500
2500	227000	257000	230000	260000	238000	268000	241000	271000
3200	284000	314000	287000	317000	295000	325000	298000	328000
4000	357000	387000	360000	390000	368000	398000	371000	401000

**Spectronics SP\* Range Fixed ACBs (IMS)**

Rating (Amps)	Static Release LMZ7(O/L,S/C)		Static Release LMZ7(O/L,S/C,E/F)	
	3Pole	4Pole	3Pole	4Pole
800	48000	67000	51000	70000
1000	50000	72000	53000	75000
1250	71000	94000	74000	97000
1600	73000	99000	76000	102000
2000	86000	119000	89000	122000
2500	99000	136000	102000	139000

\*SP range with micro processor based release on request

**Releases and accessories**

Description	Unit price (Rs.)
RMS9D with current parameters and communication	on request
RMS9D with current,voltage, power parameters and communication*	on request
Reduction for LMZ release	5500
Shunt Release	2000
Undervoltage Release	2500
Castle Lock Kit (Single Letter)	1650
Castle Lock Kit (Single Letter - 37mm dia)	1650
Castle Lock Kit (Double Letter)	2800
Ronnis Lock for OFF interlock	1650
Ronnis Lock for Withdrawn/ Connected position	1650
Auxilliary Contact 1NO_1NC	650
6Way LT Disconnects Block Fixed/ Moving	1100
3Way LT Disconnects Block Fixed/ Moving	550
Microswitch for common fault indication	900

\*For complete details, please refer to our catalogue

**Standard Spares**

Distinct fault indication for O/L,S/C in RMS7 release	4300
Distinct fault indication for O/L,S/C,E/F in RMS7 release	4700
Rating Plug for RMS7 without earth fault	2800
Rating Plug for RMS7 with earth fault	5800
Motor for MWS Mechanism(V)#	29500
Closing Coil(V)#	5500
IMS to MWS Conversion Kit**	40000

\*\*Motor,Closing Coil, Shunt Trip Release & MWS wiring harness)

**#Voltage Ratings**

Shunt Trip Release	110/220/415V AC	24/110V DC
Undervoltage Release	220/415V AC	
Closing Coil	110/220 AC	24/110/220V DC
Motor Mechanism	110/220 AC	24/110/220V DC

**Flexible Terminal Option**

Rating (Amps)	Price of each Terminal (Rs.)		
	Rear Horizontal	Rear Vertical	Front
800/1000	770	940	Price on request
1000/1250	770	940	
1600	770	940	
2000	1760	2100	
2500	2100	2530	
3200	2750	4400	
4000	3100	4950	

**Note:**

- Rear horizontal terminals are standard
- For other terminal options, deduct the price of horizontal terminals and add corresponding price of other terminal option
- 3 pole ACB requires '6' nos of terminals and 4 poles ACB requires '8' nos of terminals for incoming and outgoing
- In case of combination of terminals, deduct the price of horizontal terminals and add the prices of selected terminal option for incoming and outgoing separately
- For codes not available in the price list please contact our nearest sales office
- Local controls (ON/OFF Push Buttons) Interlocking is a standard offering with Spectronic ACB (Pad Lock not supplied)
- For 5000/6300A ACBs please contact us



## Air Circuit Breaker

### M-Pact ACBs with Static Release LMZ2

Frame Size	Rating (Amps)	3 - Pole Unit Price (Rs.)		4 - Pole Unit Price (Rs.)	
		IMS Schedule A	MWS Schedule B	IMS Schedule A	MWS Schedule B
M610	800	97250	128700	111000	167000
	1000	101750	135000	126500	171000
M16	1250	124300	157500	158500	199100
	1600	136400	165500	181000	209000
M20	2000	165000	192500	207500	244500
M25	2500	191500	210600	242000	275500
M3032	3200	248600	268000	-	-
M40	4000	301000	315700	-	-

Release Selection	Unit Price (Rs.)
Reduction for LMZ2 releases	6200
Addition for CTZM71 releases	28500

#### Accessories - M Pact

Code	Description	Unit Price (Rs.)
ST	Shunt trip (assembly with coil)#	3950
IUV	415 V AC instantaneous Under Voltage release (assembly with coil)#	3950
CC	Spring Release Coil (Closing Coil)#	4200
LTM	LT Disconnects - Moving	1200
LTF	LT Disconnects - Fixed	1200
INT	Mechanical interlock with key (Castell Lock)	2000
MS	Micro switch for auto trip indication	1450
EF-1	Earthfault indication	1100
LOD	Lock-out device for pera with Micro Switch (Common Fault Indicator set)	2000

#### # Voltage Rating

Shunt trip Release	110/250/415V AC	30/48/110/220V DC
Under Voltage Release	230/440V AC	
Motor Mechanism	110/250V AC	110/250V DC
Closing Coil	110/250V AC	110/250V DC

### Unepact Air Circuit Breakers - 3 Pole

Type	Rating (Amps)	Release Type	Fixed Type Schedule A	Manual Drawout Schedule B
USP 800	800	Static (RW2)	42000	73000
USP 1000	1000	Static (RW2)	43000	75000
USP 1250	1250	Static (RW2)	67000	95000
USP 1600	1600	Static (RW2)	69000	104000
USP 2000	2000	Static (RW2)	83000	126000
USP 2500	2500	Static (RW2)	92000	147000

#### Accessories - Unepact

Description	Price each (Rs.)
Shunt Trip Release#	2000
Under Voltage Release#	2000
LT Disconnects Fixed (LTM Socket)	1100
LT Disconnects Moving (LTF Plug)	1100
Common Fault Indicator O/L & S/C)	1650
'Ronnis' Lock (Mechanical Lock) / 'Castell Lock	1650
Reduction for Static Trip Release (RW2)	6500

### Unepact Air Circuit Breakers - 4 Pole

Type	Rating (Amps)	Release Type	Fixed Type Schedule A	Manual Drawout Schedule B
USP 800	800	Static (RW2)	59000	98000
USP 1000	1000	Static (RW2)	64000	106000
USP 1250	1250	Static (RW2)	89000	125000
USP 1600	1600	Static (RW2)	95000	142000
USP 2000	2000	Static (RW2)	106000	166000
USP 2500	2500	Static (RW2)	122000	201000

#### # Voltage Rating

Shunt trip Release	250/415V AC	24/110/220/250V DC
Under Voltage Release	220/415V AC	

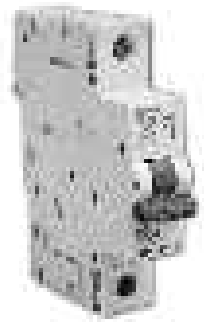
For codes and prices of spares, please refer to our Spare Parts Price List or contact our nearest sales office



## Miniature Circuit Breaker

### Safe - trip MCB

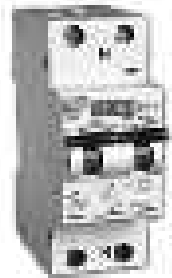
- Ref. Standards - IS 8828 / IEC 898
- 0.5-63A in SP, DP, TP, FP pole configuration
- 10kA breaking capacity for entire range
- Current Limiting - Class 3
- Tripping Curves: B,C, & D for application specific selection
- Wide range of Field Fittable accessories - Auxiliary Contacts, Shunt Trip U/V coil, Padlock



## Residual Current Circuit Breaker

### Safe - trip RCCB & RCBO RCCB

- Type AC - General Application
- Type A - For Harmonic Rich Environment
- 6 - 63A, 2 pole & 4 pole, 240V/415V AC • Sensitivity.. 30mA, 100mA, 300mA
- Can be used as Main Switch / Isolator

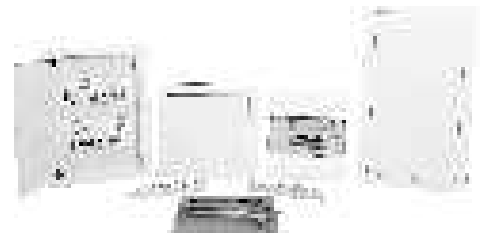


### RCBO - RCCB with Overload Protection

- 6 - 63A in 2 pole and 4 pole Sensitivity.. 30mA, 300mA C Curve
- Breaking Capacity - 10kA Approved

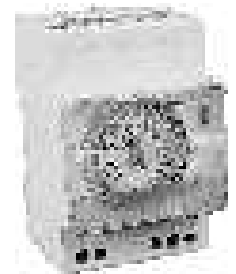
## MCB Distribution Boards

- Wide range designed to suit every application & ambience.
- Liberal wiring space
- **Safeline Range Sheet Steel DBS**  
SPN & TPN DB in 4,8,12 way in Single door & Double door configuration
- **Phase Segregated Compartmentalized DBs**  
Single door & Double door. **4,6,8 & 12 ways**
- **Plug & Socket Distribution Boards**  
20 A SPN Plug & Socket DB  
30 A SPN Plug & Socket DB



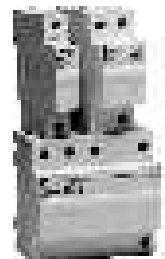
## Time Switches

- Auto switching device operating on real time
- Wide range of switches for Day, Week, Day+Week, Year program
- Synchronous, Quartz & Digital type with min switching time of 1sec.
- Profile matching with MCBs, DIN channel mounting, can be fitted in any DB
- Easily programmable



## Comfort Functions

- Wide range of DIN channel mounting products
- Profile matching with MCBs, can be fitted in any DB
  - Modular switches 16-32A • Push-buttons 16A • Mains disconnect switch 32-100A • Modular switches 63-80-100A • Day-night contactors • Modular contactors • Impulse switches • Modular relays • Light sensitivity switch
  - Staircase lighting time switch • Time relays • Bell transformers • Socket-outlets
  - Measurement device - Analogue and digital • Net analyser • Hour counters
  - Surge arresters • Thermostats • Tariff time switches



Miniature Circuit Breakers - Series G 2000

MCBs		Unit Price (Rs.)	
Configuration	Rating	'B' Curve	'C' Curve
SP	0.5A-4A	-	235
	6A-32A	160 ■	170 ■
	40A	325	335
	50A,63A	335	350
DP	0.5A - 4A	-	640
	6A - 32A	460 ■	480 ■
	40A	745	765
	50A, 63A	760	785
TP	0.5A - 4A	-	995
	6A - 32A	735	780
	40A	1130	1170
	50A, 63A	1150	1195
FP	0.5A - 4A	-	1250
	6A - 32A	995	1020
	40A	1450	1500
	50A, 63A	1485	1530

**Ordering Code**

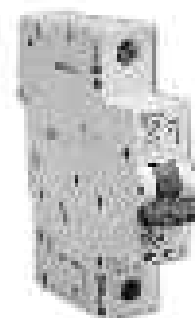
while ordering please specify the code as below.

PGE83

1-C Curve, 5-B Curve ———— Current Rating (0.5-5, 1 - 1, 2 - 2...63 - 63)

No. of Poles (1 - SP, 2 - DP, 3 - TP, 4 - FP)

Example: 4P, 25A, C Curve Code: PGE83144025



Isolators

Configuration	Rating	Code Reference	MRP. (Rs.)
SP	32A	PGE8521032	170
	40A	PGE8521040	210
	63A	PGE8521063	230
DP	32A	PGE8522032	270
	40A	PGE8522040	280
	63A	PGE8522063	360
TP	32A	PGE8523032	440
	40A	PGE8523040	490
	63A	PGE8523063	570
FP	32A	PGE8524032	500
	40A	PGE8524040	630
	63A	PGE8524063	690
	80A	PGE8524080	745
	100A	PGE8524100	840

Accessories		Unit Price (Rs.)
Auxiliary Switch (1c/o)	672567	490
Shunt trip, 110 - 415V AC/110 - 125V DC	PGV8537002	1375
Shunt trip, 24-60 V AC/ 24-48V DC	PGV8537003	1375
Undervoltage, 240V AC	PGV8537007	1320
Pad lock bracket	PGV8537004	130

Residual Current Circuit Breaker - RCCB (AC Series)

Rating	Poles		Sensitivity (mA)	Code Reference	MRP. (Rs.)
	Volt.	Amps			
240V/415V AC	25	4	30	SGE8124025	2340
	40	4	30	SGE8124040	2360 ■
	63	4	30	SGE8124063	2780 ■
	25	4	100	SGE8134025	2440
	40	4	100	SGE8134040	2500 ■
	63	4	100	SGE8134063	2890 ■
	25	4	300	SGE8144025	2440 ■
	40	4	300	SGE8144040	2500 ■
	63	4	300	SGE8144063	2890 ■
240V AC	25	2	30	662950	1785 ■
	40	2	30	662951	2105 ■
	63	2	30	662952	2420 ■
	25	2	100	662953	1860 ■
	40	2	100	662954	2190 ■
	63	2	100	662955	2520
	25	2	300	662960	1860
	40	2	300	662961	2190
	63	2	300	662962	2520

**NEW**

Type A Suitable for harmonic rich environment available against request



## Residual Current Circuit Breaker with Over Load & Short Circuit

### Protection - RCBO (RCD+MCB)

Rating		Poles	Sensitivity (mA)	Code Reference	MRP. (Rs.)
Volt.	Amps				
240V AC	6	2	30	609962	2020
	10	2	30	609963	2020
	16	2	30	609965	2020
	20	2	30	609966	2020
	25	2	30	609967	2020
	32	2	30	609968	2220
	40	2	30	609969	2590
	6	2	300	609980	2475
	10	2	300	609981	2475
	16	2	300	609983	2475
	20	2	300	609984	2475
	25	2	300	609985	2475
	32	2	300	609986	2475
	40	2	300	609987	2765



### Addon RCDs

Description	Code Reference	MRP. (Rs.)
32A 30mA 2P 2 Mod	607536	1550
32A 100mA 2P 2 Mod	607537	1590
32A 300mA 2P 2Mod	607538	1590
63A 30mA 2P 2Mod	607542	1890
63A 100mA 2P 2Mod	607543	1960
63A 300mA 2P 2Mod	607544	1960
32A 30mA 4P 2Mod	607722	1755
32A 100mA 4P 2Mod	607723	1920
32A 300mA 4P 2Mod	607724	1920
63A 30mA 4P 4Mod	607734	1945
63A 100mA 4P 4Mod	607735	2105
63A 300mA 4P 4Mod	607736	2105

\* 2P/4P MCB and 2P/4P Addon RCD to be coupled together for a 2P/4P RCBO

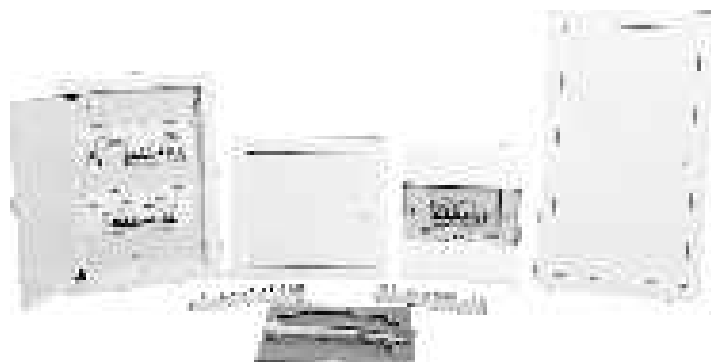
### Distribution Boards

#### Sheet Steel (Safe Line - Single Door)

Configuration	MRP. (Rs.)
SPN 4 Way	600
SPN 8 Way	700
SPN 12 Way	850
TPN 4 Way	1300
TPN 8 Way	1900
TPN 12 Way	2850

#### Sheet Steel (Safe Line - Double Door)

Configuration	MRP. (Rs.)
SPN 4 Way	800
SPN 8 Way	1000
SPN 12 Way	1200
TPN 4 Way	1675
TPN 8 Way	2450
TPN 12 Way	3650



Phase Segregated Sheet Steel DBs. (Single Door)	
Configuration	MRP. (Rs.)
4 Way	3400
6 Way	3700
8 Way	4000
12 Way	4600

Phase Segregated Sheet Steel DBs. (Double Door)	
Configuration	MRP. (Rs.)
4 Way	4100
6 Way	4600
8 Way	5050
12 Way	6100

## Plug &amp; Socket DB

Configuration	MRP. (Rs.)
P & S SPN 20A	700
P & S TPN 30A	1600

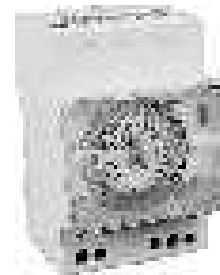
## Note:

# The DB's Prices are inclusive of Neutral &amp; Earth Bar

/ The DB Price are inclusive of Phase &amp; Neutral busbar &amp; Earth bar

## Time Switches

Description	Model	Code Reference	Unit Price (Rs.)
<b>Electro - Mechanical - Classic</b>			
Day program W/o reserve 30min	Talento 111	666112	2030
Day program with reserve 15min	72*72 CLS72Q41D	666178	2080
Day program with reserve 30min	Talento 211	666104	2350
Week program with reserve 3 hrs	Talento 271	666109	2350
1 Day. 1Week program with reserve 30min/3hrs	Talento 202	666108	4060
2 Day program with reserve 30min/30min	Talento 212	666103	3440
<b>Digital - Galax</b>			
Day / Week program with reserve 30min	Talento 371	666188	4160
Day / Week program with reserve 30min	Talento 371mini	666187	6760
Day / Week program with reserve (2c/o)	Talento 372	666190	7800



## Surgeguard - Surge Arresters

Code Reference	Description	$I_{max}$	$U_p$ (L-PE)	$U_n$	Unit Price Rs.
<b>CLASS 2 - Single Pole Plug-in- Plug &amp; Base</b>					
666545	SP Plug in type surge arrester, 20S2	20kA	960V	230V	2300
666546	SP Plug in type surge arrester, 20S4	20kA	150V	400V	2515
666547	SP Plug in type surge arrester, 45S2	45kA	1000V	230V	3000
666548	SP Plug in type surge arrester, 45S4	45kA	2100V	400V	2880
666549	SP Plug in type surge arrester, 65S2	65kA	1200V	230V	5760
666551	SP Plug in type surge arrester, 65S4	65kA	1950V	400V	3930
666537	SP Plug in type surge arrester, with 1C/O, 45C2	45kA	1000V	230V	3455
666539	SP Plug in type surge arrester, with 1C/O, 45C4	45kA	2100V	400V	3510
666542	SP Plug in type surge arrester, with 1C/O, 65C2	65kA	1200V	230V	4925
666544	SP Plug in type surge arrester, with 1C/O, 65C4	65kA	1950V	400V	5135
<b>CLASS 2 - Multi Pole monoblock</b>					
666525	DP (1+N) monoblock Surge arrester, 20S2	20kA	960V	230V	3685
666526	FP (3+N) monoblock Surge arrester, 20S4	20kA	960V	400V	4600
666527	DP (1+N) monoblock Surge arrester, 45S2	45kA	1000V	230V	4715
666529	FP (3+N) monoblock Surge arrester, 45S4	45kA	1000V	400V	7225
666530	FP (3+N) monoblock Surge arrester, with 1C/O, 45C4	45kA	1000V	400V	9430
666533	FP (3+N) monoblock Surge arrester, with 1C/O, 80C4	80kA	1200V	400V	13300
<b>CLASS 2 - Replacement module (Cartridge only)</b>					
666534	Cartridge for 666545	20kA	960V	230V	1650
666535	Cartridge for 666546	20kA	150V	230V	1840
666536	Cartridge for 666547	45kA	1000V	230V	1990
666538	Cartridge for 666548 & 666539	45kA	2100V	400V	1990
666541	Cartridge for 666542 & 666549	65kA	1200V	230V	3245
666543	Cartridge for 666544 & 666551	65kA	1950V	400V	3430
666524	Sine Wave Tracker	-	-	-	5240
666532	Decoupling coil 40A	-	-	-	4400



## Overhead Busbars and Plug In Box

### Overhead Busbars (OHBB)

- Type RR overhead busbar units offer highly flexible power distribution system to meet complex shop layouts
- 200A to 400A OHBB, standard units of 3658mm and 2440mm long respectively
- Busbars are supported by fire retardant phenolic moulds
- Complete safety with fully shrouded plug in points at specific intervals
- Extended range of 200A to 800A in Copper & 630A to 800A in Aluminium OHBB also available on request

### Plug in Box

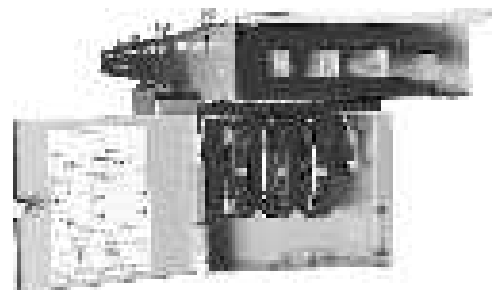
- For direct plugging into OHBB
- 32A, 63A and 100A TPN/TP plug in Boxes with HBC Fuselinks for flexibility in power distribution (with MCCB/provision for MCB, on request)
- Contacts reinforced by spring steel strips for proper contact with busbars
- Two earth pins located at the ends engage first in the special earth bushes before the main contacts make

### Tap Off Box

- Available in 63A to 630A with SDFUs/MCCBs. Contact our nearest sales office for detailed information

### Incomer Housing with MCCB

- Available in 400A and 630A as standard design. Contact our nearest sales office for detailed information



**NEW**

## WavePro™ Series Busway

### (OHBBs & Rising Mains)

#### Busways

- Highly flexible solution for complex power distribution requirements of medium to large size commercial buildings and industries.
- Compact design, sandwich construction. KEMA certified, conforms to IEC standards
- Housing made up of galvanized sheet steel. Available in plug-in & feeder versions
- Range: 400 - 5000A, 3P4W, 3P5W, IP40 - IP65 configurations. Short Circuit ratings from 36 KA - 100KA (for various ratings)
- Standard Length of the Busway is 2.8mts. Non standard sections on request
- Standard Length plug-in Busway can be provided with upto 8 plugs per length (8 plugs standard offering)

#### Busway Plugs

- Available with MCCBs / Switches - with rotary handle or crank handle (metal handle on the sides)
- Both the versions offer interlock, preventing the opening of the door when the device is "ON", preventing pulling out of the plug when the device is "ON"
- Three basic frame sizes, 125A (16 - 125A), 250A (160 - 250A), 630A (320 - 630A)

#### Busway Fittings

- Complete range of accessories to suit site conditions
- Elbows (Right, Left, Up, Down), Tees, Cable Tap Boxes (End, Center), Expansion Lengths, End Boxes Etc.,

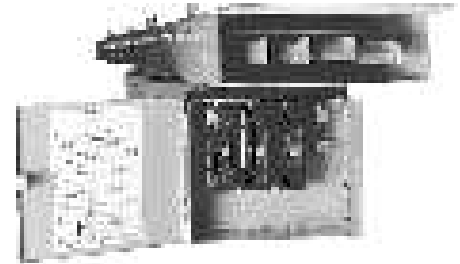


**Overhead Busbar**

Rating	Material	Unit Price (Rs.)
200A	Aluminium	Prices available on request
400A	Aluminium	
630A	Aluminium	
800A	Aluminium	
200A	Copper	
400A	Copper	
630A	Copper	
800A	Copper	

**Blank end Covers**

Rating	Code Reference	Unit Price (Rs.)
200A	GGT0100007	Prices available on request
400A	GGT0100008	



**Plug in Box**

Rating		Con-figuration	List No.	Code Reference	Unit Price (excluding Fuselinks) (Rs.)	Associated HBC Fuselinks	
Volt	Amp					Bolted	
						T	TS
415 V AC	32	TP	RRF303-3	PGT8215030	1850	TIA	TSA
		TPN	RRF303N-4	PGT8215000	2100		
	63	TP	RRF603-3	PGT8220030	2150	TIA, TIS	TSA, TSS
		TPN	RRF603N-4	PGT8220000	2400		
	100	TP	RRF1003-3	PGT8225030	5150	TCP	TSD
		TPN	RRF1003N-4	PGT8225000	5400		

**Note:** Plug in boxes with MCCBs available on request  
 Plug in boxes with provision for MCBs available on request  
 Tap Off Boxes with SDFUs, MCCBs, End Fead Units / Incomer Housings available on request



**NEW**

**WavePro™ Series Busway**

**Overhead Busbar / Rising Mains**

Description	Unit Price (Rs.)
100 - 5000A Cu Busbar System (Plug in & Feeder configurations)	Prices available on request
Plug in Boxes with MCCB/SFUs	
Accessories: Elbows, Tees, Offsets, End Tap Boxes, Center Tap Boxes etc.	



## Capacitors

- Three types - MPP, APP and Mixed Dielectric • Explosion proof safe design
- Long Life • Low Watt loss

### Type MPP (Metallized Poly Propylene) - 3Ø, 50Hz

KVAR	MPP 415 V Code Reference	Unit Price (Rs.)	MPP 440 V Code Reference	Unit Price (Rs.)
1	MPP011	360	MPP012	315
2	MPP021	620	MPP022	570
3	MPP031	920	MPP032	920
4	MPP041	1220	MPP042	1200
5	MPP051	1525	MPP052	1490
6	MPP061	1795	MPP062	1730
7.5	MPP071	2175	MPP072	2080
8	MPP081	2310	MPP082	2215
10	MPP101	2735	MPP102	2640
12.5	MPP121	3405	MPP122	3275
15	MPP151	4100	MPP152	3930
20	MPP201	5465	MPP202	5230
25	MPP251	6830	MPP252	6545

### Type MPP - Heavy Duty (Metallized Poly Propylene) - 3Ø, 50Hz

KVAR	415 V Code Reference	Unit Price (Rs.)	440 V Code Reference	Unit Price (Rs.)
5	MPPH051	1920	MPPH052	1865
7.5	MPPH071	3445	MPPH072	3340
10	MPPH101	3615	MPPH102	3510
12.5	MPPH121	4280	MPPH122	4170
15	MPPH151	5150	MPPH152	4990
20	MPPH201	6875	MPPH202	6650
25	MPPH251	8600	MPPH252	8320

### Type GeCap - Cylindrical (Metallized Poly Propylene) - 3Ø, 50Hz

KVAR	415 V Code Reference	Unit Price (Rs.)	440 V Code Reference	Unit Price (Rs.)
5	MPPC051	1380	MPPC052	1315
7.5	MPPC071	1960	MPPC072	1890
10	MPPC101	2440	MPPC102	2390
12.5	MPPC121	3215	MPPC122	3080
15	MPPC151	3690	MPPC152	3570
20	MPPC201	4920	MPPC202	4755
25	MPPC251	6100	MPPC252	5950

Banking charges includes - Busbars/links with heat shrink colour coded sleeves, base mounting frame. Terminal chamber cover, Earthing terminal and cable entry undrilled gland plate

#### Banking Charges

Al	Rs.40/- per KVAR
Cu	Rs.50/- per KVAR

Note: Capacitor in other Voltages, KVAR & frequency available on request



**Type APP (Film Foil) - 3Ø, 50Hz**

KVAR	APP 415 V Code Reference	Unit Price (Rs.)	APP 440 V Code Reference	Unit Price (Rs.)
5	APP051	2885	APP052	2765
7.5	APP071	4340	APP072	4100
8	APP081	4615	APP082	4375
10	APP101	5575	APP102	5335
12.5	APP121	6980	APP122	6660
15	APP151	8300	APP152	8010
20	APP201	11050	APP202	10690
25	APP251	13850	APP252	13340
30	APP301	16600	APP302	16170



**Type MD (Mixed Dielectric) - 3Ø, 50Hz**

KVAR	MXD 415V Code Reference	Price per Unit (Rs.)	MXD 440V Code Reference	Price per Unit (Rs.)
7.5	MXD071	5410	MXD072	5220
8	MXD081	5760	MXD082	5550
10	MXD101	6900	MXD102	6830
12.5	MXD121	8765	MXD122	8500
15	MXD151	10520	MXD152	10220
20	MXD201	14020	MXD202	13650
25	MXD251	17535	MXD252	17050

**Ge-Povar APFC Relay**

Model	No. of Stages	Code Reference	Price per Unit
PC06	6	PC0610	14400
PC08	8	PC0810	17500
PA12	12	PA1210	23100
PA14	14	PA1410	25700





# Authorised Service Franchisee

## NORTH

### Delhi

Delhi ACB Service Centre,  
House No: 156, Amit Chand Khan,  
Giri Nagar, Kalkaji,  
New Delhi - 110019.  
Contact Person: Mr. MD. Abdul, 9811129159 /  
Mr. Tauseef, 9811385247  
Tel: (11) 26479210  
Email ID: [tauseef.acb@indiatimes.com](mailto:tauseef.acb@indiatimes.com)

SUPER Electrical Co,  
NE- 98, Vishnu Garden,  
New Delhi 110018  
Contact Person: Mr. Kuldeep Ram, 9810111244  
Tel: (11) 25980653, 25983395

Master Engineering Services,  
12, Community Centre,  
DDA Shopping Complex,  
Karampura, New Delhi - 110015  
Contact Person: Mr. Bhushan, 9811262378  
Mr. Maharana, 9873252378  
Mr. Jagdish, 9250562173  
Mr. Sanjeev, 9871789746  
Mr. Ramesh, 9818315216

### GURGAON

P.C. Customer Service Centre,  
Shop No:12, Kamla Place,  
Near Federal Bank,  
Gurgaon, Haryana.  
Contact Person: Prakash, 9810957870  
Ritesh, 9911192930  
Tel: (124) 5063870  
Email ID [pcprakashpc@yahoo.com](mailto:pcprakashpc@yahoo.com)

### LUDHIANA

Kedar Nath Enterprises,  
Post Box No: 722,  
Near Sherpur Bypass,  
Opp. P.S. Property Dealers,  
Daba Road, Ludhiana, Punjab  
Contact Person: Mr.Prem Sayal, 9814015893  
Tel: (161) 5087175

### JAIPUR

Surya Engineers,  
G-3, Usha Plaza,  
MI Road, Jaipur  
Contact Person: Pankaj, 9829050499 /  
Mahesh, 9414259755, 9352760172  
Tel: (141) 5114148, 2371266  
Fax : (141) 2371148  
Email ID: [surya.electric@yahoo.co.in](mailto:surya.electric@yahoo.co.in)

### KANPUR

Nanda Electrical Enterprises,  
122/1, B-5, Kabari Market,  
Sarajini Nagar, Kanpur.  
Contact Person: T.S. Nanda, 9935543215, 9935543206  
Tel: (512) 2215309, 2241967  
Fax: (512) 2215970  
Email ID: [knpnanda@sancharnet.in](mailto:knpnanda@sancharnet.in)

### SONEBHADRA

Tripati Industrial Agencies,  
Auri More, Bina Road,  
P.O.Anpara, Dist, Sonbhadra - 231225  
Contact Person: S.K.Govil, 9838007979  
Tel: (5446) 272231, 272281

### BHILWARA

Dynamic Elecpower P.Ltd,  
G-68, RICO Ind.Area Biliya,  
Bhilwara-311001  
Contact Person: Sanjeev, 9414115151  
Lodha Tilak, 9413356066  
Tel: (1482) 260067, 260547, 260142  
Email ID: [sonlodha@sancharnet.in](mailto:sonlodha@sancharnet.in)

### FARIDABAD

Vaishno Enterprises, 121 001  
Contact Person : Rajeev, 9810216819,  
Tel: (129) 2421660  
Email ID: [vaishno.entpr@yahoo.com](mailto:vaishno.entpr@yahoo.com)

## EAST

### Assam

M/s Raj Electricals  
G.S Road, Bangagarh  
Guwahati - 781005  
Tel: (0361) 527847

### Bhubaneswar

M/s. Pooja Sales Corporation  
A32/210, 2<sup>nd</sup> Floor, 1<sup>st</sup> Lane,  
Simlipada, Angul  
Orissa - 759122  
Tel: (06764) 233940

### Chhatisgarh

M/s Techno Enterprises  
6A, Farista Complex  
GE Road Raipur  
Chhatisgarh - 492001  
Tel: (0771) 2226970

### Durgapur

M/s Real Control  
Dr.Zakirul Hussain Avenue  
Durgapur - 713206  
Tel: (0343) 2557395

### Jharkhand

M/s Integrated Control Systems  
3<sup>rd</sup> Floor, Flat b, Crystal Palace  
313, Bhalubasa Road  
Janshedpur - 831009  
Jharkhand  
Tel: (0657) 2430755/5533248

### Kolkata

M/s Allied Engineering  
Vidya Sagar Auditorium  
P- 85/3 CIT Road, Paddapurkar  
Room no.209, 2<sup>nd</sup> Floor  
Kolkata  
Tel: (033) 22161266

M/s Pascon Engineers  
16, Mangoe Lane, 1<sup>st</sup> Floor  
Room No.9  
Kolkata - 700001  
Tel: (033) 22487047

## WEST

### Ahmedabad

M/s Power Sales & Services  
31, Modi Estate, Opp Samrat Nagar,  
Isanpur, Ahmedabad - 382 443  
Tel: (079) 25736912

### Baroda

M/s. E3 Engineers  
13, Bhagyoday complex, Near Krishna  
Theatre, Jay Ratna Char Rasta,  
R V Desai Road, Baroda - 1  
Tel: (0265) 2417018

### M/s Arpan Electricals

E 185, Sataynarayan Township,  
Apar Company Road,  
Opp. Arburda Cold Storage,  
Chhani Jakat Naka, Baroda - 2  
Mob: 9825058923

### Indore

M/s. Technocom Marketing  
A15, Block-3, New Siyagang,  
Indore - 452 006  
Tel: (0731) 453062/63/64/65  
(0731) 2548955

### Mumbai

M/s. Bipinkumar Electricals Corpn.  
14,Tavawala Building, 36, Pathak Wadi,  
Lohar Chawal, Mumbai - 400 002  
Tel: (022) 2282185 / 22081684

M/s. Konkan Electricals Corpn.  
Plot 60, Sector 23, Cidco Indl.Estate,  
Turbhe, Navi Mumbai - 400 705  
Tel: (022) 27832165 / 27832501

M/s. Saraswat Engineering Service  
Shop No.6, Vanrai, Opp. Nirlon  
Western Express Highway,  
Mumbai - 65  
Tel: (022) 26856228 / 26856029

### Nagpur

M/s. Ravi Engineering Services.  
78, Shilpa Nagar, Nartendra Nagar Extn.  
Somalwada, Nagpur - 440 015  
Mob: 9422807882

### Pune

M/s. Desh Electricals & Marketing  
No 3&4, 1<sup>st</sup> Floor, Saptashrungi Apts.  
1511b, Sadashivpeth, Pune - 411 030  
Tel: (020) 24465843 / 24021871

### Vapi

M/s. Vij Electricals Engrs. Ltd.  
22, Nataraj Complex,  
Opp. Mahavir Nagar,  
Gidc, Nh No. 8, Vapi (E) - 396195  
Mob: 9824113302

## SOUTH

### Bangalore

M/s. K Dhandapani & Co. Ltd.,  
26, IV Cross, N R Road.  
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### Chennai

M/s. Chennai Engineering Services  
No. 16, 3<sup>rd</sup> Main Road, CIT Nagar  
Nandanam  
Chennai - 600 035.  
Tel. (044) 24310503 / 24361140

### Cochin

M/s. General Enterprises  
5/292, 'Anjiliyil', Pishari Kovil Road,  
Eroor P O., Tripunithura  
Kochi - 682 306.  
Tel: (0484) 2775805

### Coimbatore

M/s. Chennai Engineering Services  
No. 103, 2<sup>nd</sup> Street,  
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### Hyderabad

M/s. Gayatri Services  
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Adaikmet, Plot No. 16  
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