

GE
Industrial Solutions

Buy Log - Low Voltage Switchgear

effective from 02 April 2013



GE imagination at work

Solutions that make a difference

At GE - Industrial Solutions, with an expanded focus on customer challenges, we are leading the future of electrification by committing to technologies that will help create cleaner, smarter and more efficient global electrical infrastructure.

We have a lot to offer right from products to services, changing the way people live and work. Our comprehensive

and innovative solutions meet our customers' challenges in Power, Protection & Distribution, addressing diverse segments that include Core & Commercial Infrastructure, OEMs, Utilities or Industries.



Warranty Policy

Products manufactured by us are warranted against defects arising out of manufacturing processes or use of defective raw materials, for a period of 18 months from the date of supply or 12 months from the date of installation whichever 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.

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

Product improvement is a continuous process 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.

Prices mentioned in the buy log are for guidance purposes and the products may be sold at lower prices also. Goods are always sold subject to laws, rules and regulations relating to excise, customs and maximum retail price as applicable at the time of purchase and as printed on the goods.

All government taxes at applicable rates will be charged extra.



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Coordination Chart



New Range of Air Circuit Breakers

- Evolved from Global platform
- Adapted for Indian conditions & usage
- Manufactured in India

Range & Performance

- 630A - 6400A in 3 frame sizes
- Conforms to IEC60947-2/3
- 3P & 4P versions and Fixed & Withdrawable configurations
- Choice of 50kA, 65kA, 85kA & 100kA breaking capacities
- Icu=Ics=Icw=1s across the range
- Suitable for voltages upto 1000VAC and 750VDC



Installation

- Compact foot-print
- No deration upto 50°C
- Liberal termination space to accommodate Aluminium links
- Modular configuration of breaker and accessories
- Control connections accessible from front
- Front-mounted snap-fit accessories
- Accessories & control voltage indication on the front fascia

Protection

- State-of-the-art Micro-processor based Trip units, backed by Rogowski sensors
- Standard large LCD display
- Touch-pad based programming navigation
- 7 Trip units versions offering advanced features viz. Power metering, Power protection and Communication



Draw-Out Version		Fixed Version	
Manual	Electrical	Manual	Electrical
<ul style="list-style-type: none"> • Microprocessor based release GT-SL / S / N / H • Aux Switch 4NO + 4NC (Type 1 AC only) • Safety shutter assembly • Racking handle • Door Sealing frame • Rating Error Preventor 	<ul style="list-style-type: none"> • Spring charging motor (220V AC) • Closing Coil (220V AC) • Shunt release (220V AC) • Microprocessor based release GT-SL / S / N / H • Aux Switch 4NO + 4NC (Type 1 AC only) • Safety shutter assembly • Racking handle • Door Sealing frame • Rating Error Preventor 	<ul style="list-style-type: none"> • Microprocessor based release GT-SL / S / N / H • Aux Switch 4NO + 4NC (Type 1 AC only) • Door Sealing frame 	<ul style="list-style-type: none"> • Spring charging motor (220V AC) • Closing Coil (220V AC) • Shunt release (220V AC) • Microprocessor based release GT-SL / S / N / H • Aux Switch 4NO + 4NC (Type 1 AC only) • Door Sealing frame

EntelliGuard range with Microprocessor based trip units
Draw-Out ACBs (3 Pole and 4 Pole) Icu = Ics = Icw = 50kA for 1 Sec

Rating (A)	Version	LSIG + Current Metering				LSIG + Power Metering* + ZSI			
		3 Pole [#]		4 Pole		3 Pole [#]		4 Pole	
		Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit
630	MDO	ES31W07SDXXX..	151525	ES41W07SDXXX..	193400	ES31W07GFXXX..	169525	ES41W07GFXXX..	211400
	EDO	ES31W07SDNNN..	186525	ES41W07SDNNN..	228400	ES31W07GFNNN..	204525	ES41W07GFNNN..	246400
800	MDO	ES31W08SDXXX..	151525	ES41W08SDXXX..	193400	ES31W08GFXXX..	169525	ES41W08GFXXX..	211400
	EDO	ES31W08SDNNN..	186525	ES41W08SDNNN..	228400	ES31W08GFNNN..	204525	ES41W08GFNNN..	246400
1000	MDO	ES31W10SDXXX..	160100	ES41W10SDXXX..	202150	ES31W10GFXXX..	178100	ES41W10GFXXX..	220150
	EDO	ES31W10SDNNN..	195100	ES41W10SDNNN..	237150	ES31W10GFNNN..	213100	ES41W10GFNNN..	255150
1250	MDO	ES31W13SDXXX..	184375	ES41W13SDXXX..	235850	ES31W13GFXXX..	202375	ES41W13GFXXX..	253850
	EDO	ES31W13SDNNN..	219375	ES41W13SDNNN..	270850	ES31W13GFNNN..	237375	ES41W13GFNNN..	288850
1600	MDO	ES31W16SDXXX..	200000	ES41W16SDXXX..	247100	ES31W16GFXXX..	218000	ES41W16GFXXX..	265100
	EDO	ES31W16SDNNN..	235000	ES41W16SDNNN..	282100	ES31W16GFNNN..	253000	ES41W16GFNNN..	300100
2000	MDO	ES31W20SDXXX..	244700	ES41W20SDXXX..	301250	ES31W20GFXXX..	262700	ES41W20GFXXX..	319250
	EDO	ES31W20SDNNN..	279700	ES41W20SDNNN..	336250	ES31W20GFNNN..	297700	ES41W20GFNNN..	354250
2500	MDO	ES31W25SDXXX..	308250	ES41W25SDXXX..	391700	ES31W25GFXXX..	326250	ES41W25GFXXX..	409700
	EDO	ES31W25SDNNN..	343250	ES41W25SDNNN..	426700	ES31W25GFNNN..	361250	ES41W25GFNNN..	444700
3200	MDO	ES32W32SDXXX..	374975	ES42W32SDXXX..	473675	ES32W32GFXXX..	392975	ES42W32GFXXX..	491675
	EDO	ES32W32SDNNN..	409975	ES42W32SDNNN..	508675	ES32W32GFNNN..	427975	ES42W32GFNNN..	526675
4000	MDO	ES32W40SDXXX..	461700	ES42W40SDXXX..	588875	ES32W40GFXXX..	479700	ES42W40GFXXX..	606875
	EDO	ES32W40SDNNN..	496700	ES42W40SDNNN..	623875	ES32W40GFNNN..	514700	ES42W40GFNNN..	641875

- Please contact nearest sales office for ACBs:
a) Having breaking capacity greater than 50kA
b) Having current rating higher than 4000A.
.. Use code configurator to arrive at final ordering code.

Releases and Accessories

Description	Buy Log per Unit	Description	Buy Log per Unit
Shunt Trip Release	5200	Neutral Rogowski Coil Kit - GT-SL [#]	8000
Undervoltage Release	6600	Neutral Rogowski Coil Kit - GT (S,N,H) [#]	9000
Trip Switch (1NO)	2200	Auxiliary Power Unit	6000
Spring Charging microswitch (1NO)	2200	2 way Cable Interlocking - Type A Frame 1	On request
Ready to Close Contact (1NO)	2200	1 of 3 way Cable Interlocking - Type B Frame 1	On request
Carriage Position Switch	3000	2 of 3 way Cable Interlocking - Type C Frame 1	On request
Indi Key breaker interlock	On request	2 way Cable Interlocking - Type A Frame 2	On request
Castell Key breaker interlock	On request	1 of 3 way Cable Interlocking - Type B Frame 2	On request
Profalux Key breaker interlock	On request	2 of 3 way Cable Interlocking - Type C Frame 2	On request
Ronis Key breaker interlock	On request		
Profalux Key cassette interlock	On request	Notes:	
Ronis Key cassette interlock	On request	1. For other variants in trip unit please contact nearest sales office	
Indi Key cassette interlock	On request	[#] For 3 phase 4 wire system, neutral Rogowski to be ordered separately	
Left hand door interlock	2500	* For Power metering, 3 units of Voltage conditioners are to be ordered separately	
Right hand door interlock	2500		
Mechanical Operation Counter	1800		
Pushbutton Padlock Device	800		
Voltage conditioner (per phase)	8000		
Auxiliary Switch 4NO + 4NC (Type 2 AC/DC) in lieu of Type 1	500		



Spectronic S Air Circuit Breaker

- ACBs with "Static" or "Microprocessor based" protection releases
- Conforms to IEC60947-2/IS13947-2
- Range 800A to 4000A
- High breaking capacities from 55kA to 75kA
- 3 pole and 4 pole versions, withdrawable and fixed type, manual or motorised operation
- Tropicalised to Class I (standard) and Class II (optional)
- Option of static type release LMZ7 or Microprocessor based release RMS7
- Flexible terminal options
- Highest electrical & mechanical endurance



Spectronic S ACB Withdrawable Version

Release Selection

LMZ7

- Standard protection - overload, short circuit
- **Option (Factory fitted)**
 - With Ground fault protection
 - With Distinct fault indicator

RMS7

- Standard protection - overload
- Short circuit & instantaneous
- **Option (Factory fitted)**
 - Earth fault (EF) protection
 - Distinct fault indicator (O/L, S/C & EF)
 - Rating plug

Retrofit Kit for Mpack

- Current rating 400A-4000 A
- Integrity of system is maintained as tested with enclosure
- No need to dismantle busbar
- No modification / fabrication in panel
- Quick and fast Retrofit 2-3 hours time
- Proper discrimination
- All volt-metric releases accessible from front
- Upgrading to microprocessor based releases and communication option



Draw-Out Version		Fixed Version	
Manual	Electrical	Manual	Electrical
<ul style="list-style-type: none"> • Static release LMZ7 or • Microprocessor release RMS7 • Aux Switches with 4NO + 4NC contacts • Door Sealing frame • Racking handle • Rating Error Preventor • Safety shutter assembly 	<ul style="list-style-type: none"> • Static release LMZ7 or • Microprocessor release RMS7 • Aux Switches with 4NO + 4NC contacts • Door Sealing frame • Racking handle • Rating Error Preventor • Safety shutter assembly • Spring charging motor (220V AC) • Closing Coil (220V AC) • Shunt release (220V AC) 	<ul style="list-style-type: none"> • Static release LMZ7 or • Microprocessor release RMS7 • Aux Switches with 4NO + 4NC contacts • Door Sealing frame 	<ul style="list-style-type: none"> • Static release LMZ7 or • Microprocessor release RMS7 • Aux Switches with 4NO + 4NC contacts • Door Sealing frame • Spring charging motor (220V AC) • Closing Coil (220V AC) • Shunt release (220V AC)



S Range Draw-Out ACBs (3 Pole and 4 Pole)

Rating (A)	Version	Static Release LMZ7 (O/L, S/C)#				Microprocessor Release RMS7 (O/L, S/C, E/F)			
		3 Pole		4 Pole		3 Pole		4 Pole	
		Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit
800	MDO	SG08J1XXX.....	133300	SG08J3XXX.....	172900	SG08J1XXX.....	147300	SG08J3XXX.....	186900
	EDO	SG08J1S88.....	168300	SG08J3S88.....	207900	SG08J1S88.....	182300	SG08J3S88.....	221900
1000	MDO	SG10J1XXX.....	143550	SG10J3XXX.....	183800	SG10J1XXX.....	157950	SG10J3XXX.....	197800
	EDO	SG10J1S88.....	178550	SG10J3S88.....	218800	SG10J1S88.....	192550	SG10J3S88.....	232800
1250	MDO	SG13J1XXX.....	160150	SG13J3XXX.....	198300	SG13J1XXX.....	174150	SG13J3XXX.....	212300
	EDO	SG13J1S88.....	195150	SG13J3S88.....	233300	SG13J1S88.....	209150	SG13J3S88.....	247300
1600	MDO	SG16J1XXX.....	175950	SG16J3XXX.....	231750	SG16J1XXX.....	189950	SG16J3XXX.....	245750
	EDO	SG16J1S88.....	210950	SG16J3S88.....	266750	SG16J1S88.....	224590	SG16J3S88.....	280750
2000	MDO	SG20U1XXX.....	222650	SG20U3XXX.....	277200	SG20U1XXX.....	236650	SG20U3XXX.....	291200
	EDO	SG20U1S88.....	257650	SG20U3S88.....	312200	SG20U1S88.....	271650	SG20U3S88.....	326200
2500	MDO	SG25V1XXX.....	269750	SG25V3XXX.....	342750	SG25V1XXX.....	283750	SG25V3XXX.....	356750
	EDO	SG25V1S88.....	304750	SG25V3S88.....	377750	SG25V1S88.....	318750	SG25V3S88.....	391750
3200	MDO	SG32W1XXX.....	*	SG32W3XXX.....	*	SG32W1XXX.....	*	SG32W3XXX.....	*
	EDO	SG32W1S88.....	*	SG32W3S88.....	*	SG32W1S88.....	*	SG32W3S88.....	*
4000	MDO	SG40W1XXX.....	*	SG40W3XXX.....	*	SG40W1XXX.....	*	SG40W3XXX.....	*
	EDO	SG40W1S88.....	*	SG40W3S88.....	*	SG40W1S88.....	*	SG40W3S88.....	*

SP Range of Manually Operated Fixed ACBs

Rating (A)	Version	Static Release LMZ7 (O/L, S/C)#				Microprocessor Release RMS7 (O/L, S/C, E/F)			
		3 Pole		4 Pole		3 Pole		4 Pole	
		Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit
800	Fixed	PG08J4XXX.....	73500	PG08J6XXX.....	96000	PG08J4XXX.....	87500	PG08J6XXX.....	110000
1000		PG10J4XXX.....	77000	PG10J6XXX.....	105000	PG10J4XXX.....	91000	PG10J6XXX.....	119000
1250		PG13J4XXX.....	95000	PG13J6XXX.....	132000	PG13J4XXX.....	109000	PG13J6XXX.....	146000
1600		PG16J4XXX.....	110500	PG16J6XXX.....	141000	PG16J4XXX.....	124500	PG16J6XXX.....	155000
2000		PG20T4XXX.....	125000	PG20T6XXX.....	161000	-	-	-	-
2500		PG25T4XXX.....	184500	PG25T6XXX.....	184500	-	-	-	-

Add Rs. 5200 for LMZ7 with Earth fault

..... Use code configurator to arrive at final ordering code.

Releases and Accessories

Description	Buy Log per Unit
For bus-coupler, reduce from LMZ buy log	6000
Shunt release (110/220/415V AC, 24/110V DC)	3125
Undervoltage releas (220/415V AC)	3700
Castle lock kit (Single letter-19mm or 37mm dia)	2475
Castle lock kit (Double letter - 37mm dia)	3800
Ronnis lock for OFF interlock - or withdrawn / connected position	2475
Microswitch for common fault indication	1675
Distinct fault indication for O/L, S/C, E/F in LMZ7	5500
Distinct fault indication for O/L, S/C in RMS7 release	5500
Distinct fault indication for O/L, S/C, E/F in RMS7 release	6050
Rating plug for RMS7 without earth fault	3800
Rating plug for RMS7 with earth fault	7400

Notes:

- Rear horizontal terminals are standard
- For other terminal options, please contact our nearest sales office
- 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 of horizontal Buy Log terminals and add the of selected terminal option for Buy Log incoming and outgoing separately
- For codes not available in the Buy Log, please contact our nearest sales office
- Local controls (ON/OFF push buttons) interlocking is a standard offering with Spectronic ACB (Pad Lock not supplied)
- While ordering 3 pole breaker, consider one number neutral CT additionally

* Please contact our nearest sales office

**Motor, closing coil, shunt trip release & wiring harness



Record SL

- Range: 16A to 800A
- Breaking capacity - 16, 25, 36kA
- Available in 1P, 3P, 4P
- Line load interchangeability
- Fixed & adjustable overload setting
- Suitable for Isolation
- Universal EFM module for Earthfault protection



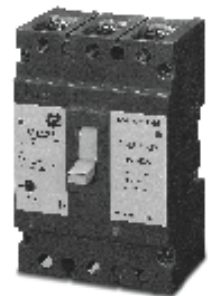
Record Plus

- Conforms to IEC60947-2/IS13947-2
- Double break contact system - exceptional current limiting, low let through energy & high contact life
- Range - 16A to 1600A
- 3 pole and 4 pole versions
- Thermal magnetic & microprocessor based interchangeable trip units
- Maximum rated operational voltage -690V AC
- Load line interchangeability
- 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
- Universal EFM module for Earthfault protection



Spectra

- Conforms to IEC60947-2/IS13947-2
- Spectra TME - 3/4 pole 16A to 125A Breaking capacity - 18kA, 25kA
- Spectra TM - 3/4 pole 16A to 200A Breaking capacity - 25kA, 36kA
- Spectra Plus - Microprocessor release 20A-630A Breaking capacity - 36, 50kA
- Range of internal and external accessories
- Universal EFM module for Earthfault protection



Type LM

- Electronic Release with Adjustable overload, Short circuit and Earth fault
- Conforms to IS13947-2
- Protections: Overload, Short circuit, Earth fault
- 3 pole and 4 pole versions
- Rated operational voltage - 415V AC
- 3 frame sizes from 3.2 to 800A
- Breaking capacities 25, 35, 50, 65kA
- Field fittable accessories:
 - Alarm / auxiliary switches
 - Shunt release
 - UV release
 - Earth fault module
 - Front drive kits
- Universal EFM module for Earthfault protection



Thermal Magnetic Release (Overload setting: Fixed, Short circuit setting: Fixed)

Breaking Capacity	Type	Rating(A)	3Pole		4Pole	
			Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit
16kA	LD	16	LDB35TF016GF	4000	LDB435TF016GF	5500
		20	LDB35TF020GF	4000	LDB435TF020GF	5500
		25	LDB35TF025GF	4000	LDB435TF025GF	5500
		32	LDB35TF032GF	4000	LDB435TF032GF	5500
		40	LDB35TF040GF	4000	LDB435TF040GF	5500
		50	LDB35TF050GF	4000	LDB435TF050GF	5500
		63	LDB35TF063GF	4000	LDB435TF063GF	5500
		80	LDB35TF080GF	4000	LDB435TF080GF	5500
		100*	LDB35TF100GF	4400	LDB435TF100GF	6075
		125*	LDB35TF125GF	6300	LDB435TF125GF	8300
160*	LDB35TF160GF	8100	LDB435TF160GF	10300		
25kA	LD	16	LDE35TF016GF	4250	LDE435TF016GF	5750
		20	LDE35TF020GF	4250	LDE435TF020GF	5750
		25	LDE35TF025GF	4250	LDE435TF025GF	5750
		32	LDE35TF032GF	4250	LDE435TF032GF	5750
		40	LDE35TF040GF	4250	LDE435TF040GF	5750
		50	LDE35TF050GF	4250	LDE435TF050GF	5750
		63	LDE35TF063GF	4250	LDE435TF063GF	5750
		80	LDE35TF080GF	4250	LDE435TF080GF	5750
		100*	LDE35TF100GF	4650	LDE435TF100GF	6325
		125*	LDE35TF125GF	6550	LDE435TF125GF	8550
	160*	LDE35TF160GF	8350	LDE435TF160GF	10550	
	LE	125	LEE35TC125KF	7150	LEE435TC125KF	8950
		160	LEE35TC160KF	8750	LEE435TC160KF	11250
		200*	LEE35TC200KF	11950	LEE435TC200KF	15850
250*		LEE35TC250KF	14050	LEE435TC250KF	19000	
36kA	LJ (O/L, S/C: Adjustable)	500#	LJV35TC500PF	23000	LJV435TC500PF	28050
		630	LJV35TC630PF	25500	LJV435TC630PF	32150
		800	LJV35TC800PF	38500	LJV435TC800PF	46950

Adjustable from 350A-500A ¹Single pole upto 160A available on request *with spreaders, Applicable for 3 pole & 4 pole design only.

Record SL Accessories

Type	Description	LD 160 frame		LE 250 frame		LJ 800 frame	
		Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit
Internal	Aux contact 1CO	LDS11R	850	LES11R	950	LJS11R	1350
	Aux contact 2CO	LDS21R	1050	LES21R	1350	LJS21R	2400
	Bell alarm LD160	LDBA11R	850	LEBA11R	950	-	-
	Shunt release 220V AC	LDSHT6	1100	LESHT6	1350	LJSHT6	1800
	Undervoltage release 220V AC	LDUVR6	1450	LEUVR6	1850	LJUVR6	2200
External	Manual Operator (Extended)	LDNRD	1200	LENRD	1500	LJNRD	5800
	Spreaders 3P, 1 side	LDBSC3	400	LEBSC3	775	LJBSC3P	3950
	Spreaders 4P, 1 side	LDBSC4	575	LEBSC4	925	LJBSC4P	4950
	Phase Separators 3P, 2 sides	LDJP3	95	LEJP3	160	LJJP3	300
	Phase Separators 4p, 2 sides	LDJP4	140	LEJP4	240	LJJP4	400
	Microprocessor based Earth fault module	SGC8302061 (250A)	9200	SGC8302061 (250A)	9200	SGC8308061 (630A)**	11750

** For 800A EFM contact nearest sales office



Thermal Magnetic Release (Overload setting: 0.8 - 1.0xI_r, Short circuit setting: Fixed)

Breaking Capacity	Type	Rating(A)	3Pole		4Pole		
			Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit	
25kA	FDE	16	433649	7300	433697	10200	
		20	433651		433699		
		25	433653		433701		
		32	433655		433703		
		40	433657		433705		
		50	433659		433707		
		63	433661		433709		
		80	433663		433711		
		100	433665		433713		
		125	433667	9350	433715	11900	
		160	433669	11900	433717	15500	
36kA	FDS	16	430161	8650	430224	11400	
		20	430163		430226		
		25	430165		430228		
		32	430167		430230		
		40	430169		430232		
		50	430178		430241		
		63	432952		432964		
		80	432955		432967		
		100	432958		432970		
		125	432961	9650	432973	11750	
			160	433602	13150	433604	14900
		FEV	200	431058	16200	431094	19200
			250	431061	18000	431097	21900
	50kA	FDN	16	430100	10650	430131	13200
20			430101	430132			
25			430102	430133			
32			430103	430134			
40			430104	430135			
50			430105	430136			
63			430106	430137			
80			430630	430752			
100			430633	430755			
125			430636	13650	430758	17400	
			160	433572	16600	433590	20000
		FEN	200	432979	18200	433079	24000
			250	432982	20500	433082	24500



Microprocessor Based Release (Overload setting: adjustable, Short circuit setting: adjustable)

Breaking Capacity	Type	Rating (A)	3Pole		4Pole		Breaking Capacity	Type	Rating (A)	3Pole		4Pole	
			Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit				Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit
MCCB with Microprocessor Release SMR 1 *							MCCB with Microprocessor Release SMR						
50kA	FEN	125	431920	23500	431938	28600	50kA	FK	800	435393	#	435447	#
		160	431706	23500	431793	28600			435450				
		250	431709	27800	431796	36800			435438				
50kA	FGN	400	431455	33400	431536	42000			1600	435387		435441	
		630	431461	36500	431539	47800			800	435288		435339	
MCCB with Microprocessor Release SMR2 *									80kA	FK		1000	
50kA	FGN	400	436156	45000	436160	53000	1250	435279			435330		
		630	436158	47500	434092	56000	1600	435285			435333		

* Rating plug to be ordered separately

Record Plus Accessories

Type	Description	FD frame		FE frame		FG frame		FK frame	
		Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit
Manual Operator	Door mounted rotary handle	SGC9436476	1800	SGC9436493	1900	436506	3500	436519	#
	Rotary handle through door**	436474	1600	436491	1700	436509 ⁽¹⁾	2800	436522	
	Flange	430829	400	430829	400	-	-	-	
Electrical Operator	24V AC/DC	430926	16000	432052	21000	432817	30500	436322*	
	110V AC/DC	430935		432061		432826		436323*	
	220/250V AC/DC	430938		432064		432829		436324*	
External Accessories	3 Pole spreaders	430891	600	432032	1000	431981	2700	-	
	4 Pole spreaders	430892	850	432033	1200	431982	3200	-	
	Phase barrier	430957	700	432085	950	432852	1500	-	
Connection Accessories	Plug-in system 3 Pole	430893	#	432034	#	430944	#	-	
	Plug-in system 4 Pole	430896	#	432037	#	431064	#	-	
	Draw out system 3 pole	-	-	432538	#	432550	#	-	
	Draw out system 4 pole	-	-	432544	#	432556	#	-	
RCD Modules	Universal microprocessor based earth fault module External	SGC8302061 (250A)	9200	SGC8302061 (250A)	9200	SGC8308061 (400A/630A)	11750	⁽²⁾	
Earth Fault Module	Available in 3P/4P upto 690V For details, please contact our nearest sales office								

** Door flange FDFH to be ordered separately to use the door interlock options.
For details on RCD Modules, please contact our nearest sales office.

(1) Direct mounted handle

(2) For 800A universal Earth fault module, contact sales office

Contact nearest sales office for details

*Factory fitted only. For field mountable type, contact nearest sales office. DC voltages 110/220V available on request.



Spectra TME & TM

Thermal Magnetic Release (Overload setting: 0.8 - 1.0xI_r, Short circuit setting: Fixed)

Breaking Capacity	Type	Rating(A)	3Pole		4Pole	
			Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit
25kA	TME	16	STE34TME016F	4775	STE44TME016F	6650
		20	STE34TME020F	4775	STE44TME020F	6650
		32	STE34TME032F	4775	STE44TME032F	6650
		40	STE34TME040F	4775	STE44TME040F	6650
		50	STE34TME050F	4775	STE44TME050F	6650
		63	STE34TME063F	4775	STE44TME063F	6650
		80	STE34TME080F	4775	STE44TME080F	6650
		100	STE34TME100F	4775	STE44TME100F	6650
		125	STE34TME125F	6950	STE44TME125F	8600
		TM	16	STE34TM016F	5650	STE44TM016F
	20		STE34TM020F	5650	STE44TM020F	7550
	32		STE34TM032F	5650	STE44TM032F	7550
	40		STE34TM040F	5650	STE44TM040F	7550
	50		STE34TM050F	5650	STE44TM050F	7550
	63		STE34TM063F	5650	STE44TM063F	7550
	80		STE34TM080F	5650	STE44TM080F	7550
	100		STE34TM100F	5650	STE44TM100F	7550
	125		STE34TM125F	8100	STE44TM125F	9550
	160		STE34TM160F	10750	STE44TM160F	13000
	200	STE34TM200F	13500	STE44TM200F	16150	
36kA	TM	16	STS34TM016F	7250	STS44TM016F	8750
		20	STS34TM020F	7250	STS44TM020F	8750
		32	STS34TM032F	7250	STS44TM032F	8750
		40	STS34TM040F	7250	STS44TM040F	8750
		50	STS34TM050F	7250	STS44TM050F	8750
		63	STS34TM063F	7250	STS44TM063F	8750
		80	STS34TM080F	7250	STS44TM080F	8750
		100	STS34TM100F	7250	STS44TM100F	8750
		125	STS34TM125F	8500	STS44TM125F	9550
		160	STS34TM160F	11700	STS44TM160F	12950
		200	STS34TM200F	14050	STS44TM200F	18550

TME & TM Accessories

Type	Description	Spectra TME Accessories		Spectra TM Accessories	
		Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit
Internal	Shunt release 110 - 415V	-	-	STMSR1	950
	Trip alarm contact	STMETA ⁽¹⁾	900	STMTA ⁽¹⁾	950
	Auxiliary contact	STMEAUX ⁽²⁾	900	STMAUX ⁽²⁾	950
	Alarm + Auxiliary switch	-	-	STMALAX*	1700
External	Rotary handle (Door mounted)	STMEROHD	1200	STMROHD	1300
	Phase barriers (Set of 2)	STMPEB1	130	STMPB1	130
	Spreaders (Set of 6)	STMESPRD1	500	STMSPRD1	600
	Spreaders (Set of 8)	STMESPRD2	850	STMSPRD2	800
	Microprocessor based Universal Earth fault module			SGC8302061	9200

Notes:
(1) STMTA4 for 4 pole MCCB * Factory fitted only
(2) STMEAUX2CO aux. contact 2C/0 - Buy Log 1200/-



Spectra Plus 

Microprocessor based release (Overload setting: 0.5-1.0xIn, Short circuit setting: 3-10xIr)

Breaking Capacity	Type	Rating(A)	3Pole		4Pole	
			Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit
36kA	SE	32	SES34AT032E	13400	SES44AT032E	18400
		63	SES34AT063E	13400	SES44AT063E	18400
		100	SES34AT100E	13400	SES44AT100E	18400
		160	SES34AT160E	16800	SES44AT160E	22800
	SF	250	SFS34AT250E	22600	SFS44AT250E	30000
	SG	400	SGS34AT400E	29500	SGS44AT400E	35600
630		SGS34AT630E	32400	SGS44AT630E	43200	
50kA	SE	32	SEN34AT032E	16800	SEN44AT032E	20800
		63	SEN34AT063E	16800	SEN34AT063E	20800
		100	SEN34AT100E	16800	SEN44AT100E	20800
		160	SEN34AT160E	21500	SEN44AT160E	26600
	SF	250	SFN34AT250E	25800	SFN44AT250E	34800
	SG	400	SGN34AT400E	31400	SGN44AT400E	39000
		630	SGN34AT630E	34500	SGN44AT630E	44800

- Spreaders to be ordered additionally

Spectra Plus Accessories

Type	Description	SE 160 Frame		SF 250 Frame		SG 630 Frame	
		Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit
Internal	Auxiliary contact 'S' type 1 changeover	SAAUX1	1470	SAAUX1	1470	SAAUX1	1470
	Auxiliary contact 'S' type 2 changeover	SAAUX2	1925	SAAUX2	1925	SAAUX2	1925
	Shunt 110 AC/DC	SAST1	1925	SAST1	1925	SAST1	1925
	Shunt 220 AC/DC	SAST2		SAST2		SAST2	
	Shunt 24 AC/DC	SAST3		SAST3		SAST3	
	Shunt 48 AC/DC	SAST4		SAST4		SAST4	
	Undervoltage 110 AC/DC	SAUV1	1925	SAUV1	1925	SAUV1	1925
	Undervoltage 220 AC/DC	SAUV2		SAUV2		SAUV2	
	Undervoltage 24 AC/DC	SAUV3		SAUV3		SAUV3	
	Undervoltage 48 AC/DC	SAUV4		SAUV4		SAUV4	
External	Extended handle SE 160/SF250	SAEFROH	1925	SAEFROH	1925	-	-
	Extended handle SG400/600	-	-	-	-	SAEGROH	1925
	3Pole Spreaders	SAESPRD3P	600	SAFSPRD3P	800	SAGSPRD3P	1600
	4Pole Spreaders	SAESPRD4P	850	SAFSPRD4P	1100	SAGSPRD4P	2000
	Microprocessor based Universal Earth fault module	SGC8302061	9200	SGC8302061	9200	SGC8308061	11750



Electronic release (Overload setting: 0.5-1xIn, Short circuit setting: 2-10xlr)

Breaking Capacity	Type	Rating(A)	3Pole		4Pole *	
			Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit
25kA	LM100C	50	SGC8872050	9950	SGC8872041	13250
	LM100C	100	SGC8801050	9950	SGC8801041	13250
	LM125C	125	SGC8890050	11600	SGC8890041	15500
	LM160C	160	SGC8896050	12950	SGC8896041	17350
	LM200C	200	SGC8188070	15950	SGC8802041	21400
35kA	LM100R	50	SGC8872030	10500	SGC8872021	13650
	LM100R	100	SGC8801030	10500	SGC8801021	13650
	LM120R	125	SGC8890030	12250	SGC8890021	16150
	LM160R	160	SGC8896030	13675	SGC8896021	18150
	LM200R	200	SGC8188060	17250	SGC8802021	22750
	LM250R	250	SGC8888090	19000	SGC8882001	26350
50kA	LM100	50	SGC8872010	12550	SGC8872001	14825
	LM100	100	SGC8801010	12550	SGC8801001	14825
	LM125	125	SGC8890010	13950	SGC8890001	21750
	LM200	200	SGC8188050	18750	SGC8802001	25500
	LM250B	250	SGC8188090	21750	SGC8888001	29750
	LM400B	400	SGC8804310	28950	SGC8804001	36250
	LM630B	630	SGC8806200	32450	SGC8806001	42000
	LM630B	800	SGC8808150	41750	SGC8808001	51500

Electronic release (Overload setting: 0.5-1xIn, Short circuit setting: 2-10xlr, Earth fault setting: Adjustable)



Breaking Capacity	Type	Rating(A)	3Pole		4Pole	
			Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit
35kA	LM100R	50	SGC8872033	20500	SGC8872023	24970
	LM100R	100	SGC8801033	21710	SGC8801023	24970
	LM125R	125	SGC8890033	22250	SGC8890023	26150
	LM160R	160	SGC8896033	25175	SGC8896023	29650
	LM200R	200	SGC9102018	28750	SGC8802023	33000
50kA	LM100	50	SGC8872013	22550	SGC8872003	24825
	LM100	100	SGC8801013	22550	SGC8801003	24825
	LM125	125	SGC8890013	23950	SGC8890003	31750
	LM200	200	SGC9102017	30250	SGC8802003	37000
	LM250B	250	SGC9102020	33250	SGC8888003	41250
	LM400B	400	SGC8104121	40950	SGC8804003	48250
	LM630B	630	SGC8806203	44450	SGC8806003	54000
	LM630B	800	SGC8108040	56750	SGC8808003	66500

- Please contact nearest sales office for current ratings below 50kA



Field Fittable Accessories

Frame		100A/125A/160A		200A/250A		400A/630A/800A	
For use with		Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit
Aux/Alarm Contact (1NO)		SGC8308027	500	SGC8308027	500	SGC8308027	500
Aux/Alarm Contact (1NC)		SGC8308028	500	SGC8308028	500	SGC8308028	500
UV Release	240V	Factory fitted	1950	SGC8302044	1950	SGC8308035	1950
	415V			SGC8302053*	1950	SGC8304016*	1950
				SGC8302043	1950	SGC8308034	1950
				SGC8302054*	1950	SGC8304017*	1950
Shunt Trip Release	110 - 415V AC	SGC8301071	1750	SGC8301071	1750	SGC8308039	1750
	110 - 220V DC						
	24 - 48V AC/DC	SGC8301072		SGC8301072		SGC8308040	
Rotary Handle 3 & 4 Pole		SGC8301073	1260	SGC8302055	1400	SGC8308041	1600
UV Electronic #240/415V AC		Factory fitted	1800	-	-	-	-
EFM module for 3 phase 3 wire system (adjustable setting)		SGC8302061	9200	SGC8302061	9200	SGC8308061	11750

Notes:

Electronic UV is not a no volt coil, contact our nearest sales office for technical specifications

*UV release with delay, 200+msec available on request, contact our nearest sales office for details.



Spectra SP Switch Disconnecter Fuse Units (Excluding Fuse links)

Rating		List No.	Recommended HBC Fuselinks (Type/Size)	Open Execution				TPN SDFs in SS Enclosure	
Volt	Amp (AC23A)			Code Reference (TPN)	Buy Log per Unit	Code Reference* (4P)	Buy Log per Unit	Code Reference	Buy Log per Unit
660V AC	32	SP32 EIT-BS	EIT	SDFBS3PN032	1675	4th Pole Switched Neutral available as accessory	SDFBS3PN032SSE	3675	
		SP32-Clip-on	F1	SDFNS3PN032	1625		SDFNS3PN032SSE	3750	
	63	SP63 EIT-BS	EIT	SDFBS3PN063	2260		SDFBS3PN063SSE	4575	
		SP63D - DIN	C00/000	SDFDIN3PN063	2250		SDFDIN3PN063SSE	4575	
		SP63-Clip-on	F2	SDFNS3PN063	2250		SDFNS3PN063SSE	3950	
415V AC	100	SP100-BS	A2	SDFBS3PN100	4625	SDFBS4P100	6050	SDFBS3PN100SSE	6225
		SP100(D) - DIN	C00/000/00	SDFDIN3PN100	4700	SDFDIN4P100	6050	SDFDIN3PN100SSE	7500
	125	SPO3-BS	A2	SDFBS3PN125	5650	SDFBS4P125	7500	SDFBS3PN125SSE	8950
		SPO3 (D) - DIN	00	SDFDIN3PN125	6375	SDFDIN4P125	7500	SDFDIN3PN125SSE	8975
	160	SP160-BS	A4	SDFBS3PN160	5925	SDFBS4P160	8025	SDFBS3PN160SSE	9550
		SP160(D) - DIN	00	SDFDIN3PN160	6975	SDFDIN4P160	8400	SDFDIN3PN160SSE	9550
	200	SPO4-BS	B3	SDFBS3PN200	7500	SDFBS4P200	9900	SDFBS3PN200SSE	11975
		SPO4 (D) - DIN	1	SDFDIN3PN200	8700	SDFDIN4P200	9900	SDFDIN3PN200SSE	11950
	250	SPO5-BS	B3	SDFBS3PN250	9750	SDFBS4P250	11975	SDFBS3PN250SSE	13975
		SPO5 (D) - DIN	1	SDFDIN3PN250	10450	SDFDIN4P250	11950	SDFDIN3PN250SSE	14150
	315	SPO6-BS	B3	SDFBS3PN315	12625	SDFBS4P315	14300	SDFBS3PN315SSE	17250
		SPO6 - DIN	2	SDFDIN3PN315	15500	SDFDIN4P315	13875	SDFDIN3PN315SSE	17250
	400	SPO7-BS	C3	SDFBS3PN400	14200	SDFBS4P400	17250	SDFBS3PN400SSE	19275
		SPO7 (D) - DIN	2	SDFDIN3PN400	15550	SDFDIN4P400	17150	SDFDIN3PN400SSE	19750

* For 4 Pole switched Neutral

Spectra SP Switch Disconnecter TPN

Rating		List No.	Code Reference (TPN)	Buy Log per Unit
Volt	Amp			
690V AC	32	SP32	SD3PN032	1700
	63	SP63	SD3PN063	2375
415V AC	100	SP100	SD3PN100	5375
	125	SPO3	SD3PN125	5750
	250	SPO5	SD3PN250	9275
	400	SPO7	SD3PN400	13975

Accessories for SDF Type Spectra SP

Description	Code Reference	Buy Log per Unit
FD Kit for 32/63A	SDF63DD	750
FD Kit for 100/03/160/04/05/06/07	SDF07DD	925

Notes:

- For 630A & 800A, please contact us. All buylog excluding fuses.
- Other accessories common for Spectra SP & SP Switches (Please refer next page)



SP Switch Disconnecter Fuse Units (Excluding Fuse links)

Rating		List No.	Recommended HBC Fuselinks (Type/Size)	Open Execution				TPN SDFs in SS Enclosure	
Volt	Amp (AC23A)			Code Reference (TPN)	Buy Log per Unit	Code Reference* (4P)	Buy Log per Unit	Code Reference	Buy Log per Unit
660V AC	32	SP32 EIT-BS	EIT	BGG8359044	1675	4th Pole Switched Neutral available as accessory	BGG8358034	3675	
		SP32-Clip-on	F1	BGG8359144	1625		BGG8358134	3750	
	63	SP63 EIT-BS	EIT	BGG8361044	2260		BGG8360034	4575	
		SP63D - DIN	C00/000	BGG8361344	2250		BGG8360334	4575	
		SP63-Clip-on	F2	BGG8361144	2250		BGG8360134	3950	
415V AC	100	SP100-BS	A2	SGG8363044	4625	SGG8363043	6050	SGG8363034	6225
		SP100(D) - DIN	C00/000/00	SGG8363344	4850	SGG8363343	6050	SGG8363334	7500
	125	SP03-BS	A2	SGG8362044	5650	SGG8362043	7500	BGG8362034	8950
		SP03 (D) - DIN	00	SGG8362344	6375	SGG8362343	7200	BGG8362134	8975
	160	SP160-BS	A4	SGG8365044	5925	SGG8365043	8400	SGG8365034	9550
		SP160(D) - DIN	00	SGG8365344	6975	SGG8365343	8400	SGG8365334	9550
	200	SP04-BS	B3	SGG8366044	7500	SGG8366043	9975	BGG8364043	11975
		SP04 (D) - DIN	1	SGG8366344	8700	SGG8366343	9600	BGG8364343	11950
	250	SP05-BS	B3	SGG8368044	9750	SGG8368043	11975	BGG8368034	13975
		SP05 (D) - DIN	1	SGG8368344	10450	SGG8368343	11950	BGG8368334	14150
	315	SP06-BS	B3	SGG8369044	12625	SGG8369043	13875	SGG8369034	17250
		SP06 - DIN	2	SGG8369344	15500	SGG8369343	14300	SGG8369334	17250
	400	SP07-BS	C3	SGG8372044	14200	SGG8372043	17250	BGG8372034	19275
		SP07 (D) - DIN	2	SGG8372344	15550	SGG8372343	17150	BGG8372334	19750
	630	SP630-BS	C3	SGG8374044	23950	BGG8374043	27225	NA	NA
		SP630(D) - DIN	3	SGG8374344	25150	BGG8374343	27250	NA	NA
	800	SP800-BS	C3	SGG8380044	27400	BGG8380043	30925	NA	NA
		SP800(D) - DIN	-	SGG8380344	27550	BGG8380343	29900	NA	NA

- For other ratings and versions please contact nearest sales office. * For 4 Pole switched Neutral

SP Switch Disconnecter TPN

Rating		List No.	Code Reference (TPN)	Buy Log per Unit
Volt	Amp			
690V AC	32	SP32	BGG8459033	1515
	63	SP63	BGG8461033	2120
415V AC	100	SP100	SGG9100004	4800
	125	SP03	SGG9100006	5750
	250	SP05	SGG9100013	9275
	400	SP07	SGG9100018	13975
	630	SP630	SGG9100020	on request

Accessories for SDF Type SP

For SP 32/63	Code Reference	Buy Log per Unit
Switched neutral	BGG8900027	650
Auxiliary kit (1NO+1NC) (only for SP63D)	BGG8900041	550
Auxiliary kit (1NO+1NC)	BGG8900029	550
FD kit for SDF/Switch (Black)	BGG8900031	750
FD for safety switches (Red & Yellow)	BGG8900032	800
For SP 100/03/160/04/05/06/07	Code Reference	Buy Log per Unit
Auxiliary contact 1 NO	SGC8308027	325
Auxiliary contact 1 NC	SGC8308028	325
Phase barrier kit (SP100/03/160)	SGG8900006	230
Phase barrier kit (SP04/05)DIN	SGG8900012	450
Phase barrier kit (SP04/05)BS	SGG8900013	450
Phase barrier kit (SP06/SP07)	SGG8900007	450
FD kit for SP 100/03/160	SGG8900041	850
FD kit for (SP04/05/06/07)	SGG8900042	900

Accessories for SDF Type SP

For SP 630/800	Code Reference	Buy Log per Unit
Switched neutral	BGG8900035	7100
Switch handle with legend plate & gasket	BGG8900036	3900
Tubular shaft	BGG8900037	950
Coupler assembly	BGG8900039	1400

Notes:

1. All FD kits will have door interlocking, defeat & pad locking as standard features
*For product codes, please contact our nearest sales office



CH: Combination Fuse Switch Unit Cast Iron Enclosure

Rating		Recommended Fuselinks Bolted Type (Type/Size)	TPN			4 Pole		
Voltage	Amp		List No.	Code Reference	Buy Log per Unit	List No.	Code Reference	Buy Log per Unit
415V AC	63	A2	CH633N(U)	PGH8156102	12000	-	-	-
	100	A4 / A2	CH1003N(U)	PGH8160102	18650	CH1004P	PGH8160142	25000
	200	B1 / B3	CH2003N(U)	PGH8166102	25000	CH2004P	PGH8166142	34500
	315	B1 / B3	CH3153N(U)	PGH8170102	34000	CH3004P	PGH8170142	46750

CH: Four Pole Fuse Switch Units in Sheet Steel Enclosure

Rating		List No.	Recommended Fuselinks Bolted Type (Type/Size)	Code Reference	Buy Log per Unit
Voltage	Amp				
415V AC	500	CH5004P	C1 / C2	PGH8174142	96000
	750	CH7504P	C1 / C2 / C3	PGH8177142	120000

CHD: Sheet Steel Enclosure TPN

Rating		List No.	Recommended Fuselinks Bolted Type (Type/Size)	Code Reference	Buy Log per Unit
Voltage	Amp				
415V AC	400	CHD400	C3	PGH8172102	40000
	500	CHD500	C3	PGH8174102	61000
	630	CHD630	C3	PGH8176102	66100
	800	CHD800	C3	PGH8178102	82800
	800	CHD800*	C3	PGH9101003	56000

Spares for CH/CHD Units

Rating		List No.	TP Moving Contact Assembly		TP Shrouded Base Assembly	
Voltage	Amp		Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit
415V AC	63	CH633(U)	PGH9000001	4500	PGH9000012	5000
	100	CH1003(U)	PGH9000002	5600	PGH9000013	7000
	200	CH2003(U)	PGH9000003	6800	PGH9000014	11000
	315	CH3153N(U)	PGH9000004	11100	PGH9000060	13000
	400	CHD400	PGH9000062	14500	PGH9000063	18000
	500	CHD500	PGH9000064	22550	PGH9000065	45500
	630	CHD630	PGH9000066	33050	PGH9000067	48700
	800	CHD800	PGH9000068	35000	PGH9000069	50000
			FP Moving Contact Assembly		FP Shrouded Base Assembly	
	100	CH1004P	PGH9000044	8600	PGH9000047	10500
	200	CH2004P	PGH9100045	8800	PGH9100048	11000
	315	CH3154P	PGH9100046	15500	PGH9000061	20200

* Chasis without fuses.

Notes:

1. Buy Log/Unit (With type TS Fuselinks) except for Spares for LP/CH/CHD Units



TPN Withdrawable Type FSDU

Rating		List No.	Recommended HBC Fuselinks (Type/Size)	Code Reference	Buy Log per Unit*
Volt	Amp				
415V AC	200	CMM200D	B1 / B3	PGM8166400	13200
	250	CMM250D	B1 / B3	PGM8168400	16430
	315	CMM315D	B1 / B3	PGM8170400	20050
	400	CMM400D	C3	PGM8172400	26100
	630	CMM630D	C1 / C2 / C3	PGM8176400	39250
	800	CMM800D	C1 / C2 / C3	PGM8178400	44000

TPN Fixed Type FSDU

Rating		List No.	Recommended HBC Fuselinks (Type/Size)	Code Reference	Buy Log per Unit*
Volt	Amp				
415V AC	125	CMM125	B1 / B3	PGM8162000	9025
	200	CMM200	B1 / B3	PGM8166000	12050
	250	CMM250	B1 / B3	PGM8168000	14500
	315	CMM315	B3	PGM8170000	17500
	400	CMM400	C3	PGM8172000	22175
	630	CMM630	C1 / C2 / C3	PGM8176000	34625
	800	CMM800	C1 / C2 / C3	PGM8178000	38350

On Load Changeover Switch - 4 Pole Type SPCO

- Conforms to IS13947-3-1993
- Ratings 63A to 3150A, 4 pole, 415V AC 23A duty
- Compact in dimensions
- High mechanical life
- LOTO - safety feature allows padlocking and tag fixing
- Accessories - Auxiliary contacts - upto 2NO + 2NC (on request)
- Extendable shaft - 200mm

Rating		List No.	Code Reference	Buy Log per Unit
Volt	Amp			
415V AC	63	SPCO 63	SGG 8601010	5450
	125	SPCO 125	SGG 8601020	10900
	200	SPCO 200	SGG 8601030	14000
	250	SPCO 250	SGG 8601040	20500
	320	SPCO 320	SGG 8601050	21500
	400	SPCO 400	SGG 8601060	31500
	630	SPCO 630	SGG 8601070	37500
	800	SPCO 800	SGG 8601080	56000
	1000	SPCO 1000	SGG 8601090	92000
	1250	SPCO 1250	SGG 8601100	132500
	1600	SPCO 1600	SGG 8601110	183000
	2000	SPCO 2000	SGG 8601120	225000
	2500	SPCO 2500	SGG 8601130	300000
	3150	SPCO 3150	SGG 8601140	410000

Spares for CMM Units

Description	Code Reference	Buy Log per Unit
Front drive kit CMM		
CMM125	PGM0100070	3500
CMM200	PGM0100071	3500
CMM250	PGM0100072	3500
CMM315	PGM0100073	3500
CMM400	PGM0100074	4150
CMM630	PGM0100075	4150
CMM800	PGM0100076	4750
Moving Contact Carriage		
CMM125	PGM0100033	8225
CMM200	PGM0100035	8225
CMM250	PGM0100034	10725
CMM315	PGM0100036	10725
CMM400	PGM0100042	18250
CMM630	PGM0100043	26250
CMM800	PGM0100044	29450
Caliper Contact Assembly (Each unit requires 6 sets)		
CMM125	PGM0100077	875
CMM200	PGM0100078	875
CMM250	PGM0100079	875
CMM315	PGM0100080	875
CMM400	PGM0100081	875
CMM630	PGM0100082	1600
CMM800	PGM0100083	1600
Addon 4-pole	PGM8100068	6755

*Buy Log excluding fuselinks



Surion MPCB

3Ø Motor Rating (KW)	Rated Current (A)	Standard Performance		High Performance	
		Rocker Lever Mechanism	Buy Log per unit	Rotary Lever Mechanism	Buy Log per unit
0.02	0.16	GPS1BSAA	2400	GPS1BHAA	3100
0.06	0.25	GPS1BSAB	2400	GPS1BHAB	3100
0.09	0.4	GPS1BSAC	2400	GPS1BHAC	3100
0.12/0.18	0.63	GPS1BSAD	2800	GPS1BHAD	3200
0.25	1	GPS1BSAE	2800	GPS1BHAE	3300
0.37/0.55	1.6	GPS1BSAF	2800	GPS1BHAF	3400
0.75	2.5	GPS1BSAG	2800	GPS1BHAG	3500
1.5	4	GPS1BSAH	2800	GPS1BHAH	3500
2.2	6.3	GPS1BSAJ	2800	GPS1BHAJ	3500
3/4	10	GPS1BSAK	2900	GPS1BHAK	3700
5.5	13	GPS1BSAL	3250	GPS1BHAL	4050
7.5	16	GPS1BSAM	3575	GPS1BHAM	4250
10	20	GPS1BSAN	3950	GPS1BHAN	4500
11	25	GPS1BSAP	4250	GPS1BHAP	4850
15	32	GPS1BSAR	7550	GPS1BHAR	7550

3Ø Motor Rating (KW)	Rated Current (A)	Standard Performance		High Performance	
		Rotary Lever Mechanism	Buy Log per Unit	Rotary Lever Mechanism	Buy Log per Unit
3/4	10	GPS2BSAK	4600	GPS2BHAK	6500
5.5	13	GPS2BSAL	4600	GPS2BHAL	6500
7.5	16	GPS2BSAM	4600	GPS2BHAM	6500
10	20	GPS2BSAN	5100	GPS2BHAN	8050
11	25	GPS2BSAP	6350	GPS2BHAP	8050
15	32	GPS2BSAR	7750	GPS2BHAR	8350
18.5	40	GPS2BSAS	8600	GPS2BHAS	9350
22	50	GPS2BSAT	10200	GPS2BHAT	11250
30	63	GPS2BSAU	11650	GPS2BHAU	12450

Curve - X

3Ø Motor Rating (KW)	Rated Current (A)	Standard Performance (35kA)		High Performance (50kA)	
		Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit
22	50	GPS3BSAT	17350	GPS3BHAT	20725
37	100	GPS3BSAV	17350	GPS3BHAV	20725
55	200	GPS3BSAW	28325	GPS3BHAW	29125
110	400	GPS3BSAX	34725	GPS3BHAX	36950

Accessories GPS1 & GPS2

Description	Code Reference	Buy Log per Unit
Door drive operator IP55 (GPS1 H)	GPA1HAB	1350
Door drive operator IP55 (GPS2)	GPA2HAB	1350
Front auxiliary block 1NO/1NC	GPAC10FBA	600
Side contact block left 1NO+1NC	GPACXLLA	630
Side contact block right 1NO+1NC	GPACXLRA	630
Alarm contact block frontal 1NO	GPALXFRA	630
Side aux. cont. block alarm + aux.	GPADXYYLL*	800
Shunt trip (right)	GPASLRAA*	1500
Undervoltage relay (right)	GPAULRAA*	1500

Notes:

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 AC, N-220V AC, W-415 to 440V AC
XX & YY contact combination, 10-NO, 01-NC, 20-2NO

MPCB Breaking Capacity Chart

Series	3Ø Motor Rating (KW)	Icu (kA)	Ics (kA)
GPS1BS	0.02 - 4	100	100
	5.5	50	38
	7.5 - 15	25	19
GPS1BH	0.02 - 5.5	100	100
	7.5 - 15	50	38
GPS2BS	4	100	100
	5.5	50	38
	7.5 - 30	25	19
GPS2BH	4 - 5.5	100	100
	7.5 - 30	50	38



Auxiliary Contactors AC Control

	Contacts Arrangement	Code Reference	Buy Log per Unit
AC Control	Series M (Mini) - AC1 rating: 16A		
	4NO	MCRA040AT ♦	1125
	3NO+1NC	MCRA031AT ♦	1125
	2NO+2NC	MCRA022AT ♦	1125
	1NO+3NC	MCRA013AT ♦	1125
	4NC	MCRA004AT ♦	1125
	Series RL- AC1 rating: 20A		
	4NO	RL4RA040T ♦	1050
	3NO+1NC	RL4RA031T ♦	1050
	2NO+2NC	RL4RA022T ♦	1050
	4NC	RL4RA004T ♦	1050

Auxiliary Contactors DC Control

	Contacts Arrangement	Code Reference	Buy Log per Unit
DC Control	Series M (Mini) - AC1 rating: 16A		
	4NO	MCRC040AT ♦	1650
	3NO+1NC	MCRC031AT ♦	1650
	2NO+2NC	MCRC022AT ♦	1650
	Series RL- AC1 rating: 20A		
	4NO	RL4RD040T ♦	1590
	3NO+1NC	RL4RD031T ♦	1590
	2NO+2NC	RL4RD022T ♦	1590
	4NC	RL4RD004T ♦	1590

Power Contactors 3 Pole AC Control

Motor Rating at 415V, 50Hz	AC-3 Operational current at 415V	AC1 Rating	Aux. Contact Arrangement		Code Reference	Buy Log per Unit
			NO	NC		
KW	Amps	Amps				
Series CL						
4	9	25	1	0	CL00A310T ♦	1000
4	9	25	0	1	CL00A301T ♦	1000
5.5	12	25	1	0	CL01A310T ♦	1050
5.5	12	25	0	1	CL01A301T ♦	1050
7.5	18	32	1	0	CL02A310T ♦	1195
7.5	18	32	0	1	CL02A301T ♦	1195
11	25	45	1	0	CL25A310T ♦	2500
11	25	45	0	1	CL25A301T ♦	2500
16	32	60	1	0	CL04A310M ♦	3050
16	32	60	0	1	CL04A301M ♦	3050
22	40	60	1	1	CL45A311M ♦	4750
25	50	90	1	1	CL06A311M ♦	6000
37	65	110	1	1	CL07A311M ♦	7750
45	80	110	1	1	CL08A311M ♦	10000
50	95	140	1	1	CL09A311M ♦	11800
55	105	140	1	1	CL10A311M ♦	14650
65	125	160	1	1	CL12A311M ♦	19250
70	130	200	1	1	CL13A311M ♦	19750
Series CK						
80	150	250	1	1	CK75CA311 ♦	20050
100	185	250	1	1	CK08CA311 ♦	25500
125	205	315	1	1	CK85BA311 ♦	27750
132	250	315	1	1	CK09BE311 ♦	31500
160	309	450	1	1	CK95BE311 ♦	39500
230	420	600	1	1	CK10CE311 ♦	49500
315	550	700	1	1	CK11CE311 ♦	73750
400	700	1000	1	1	CK12BE311 ♦	129750
450	825	1250	1	1	CK13BA311 ♦	215500

Note: Pls refer Pg # 28 for Type-2 co-ordination chart

Power Contactors 3 Pole DC Control

Motor Rating at 415V, 50Hz	AC-3 Operational current at 415V	Aux. Contact Arrangement	Code Reference	Buy Log per Unit	
					NO
KW	Amps				
Series CL					
4	9	1	0	CL00D310T ♦	1500
5.5	12	1	0	CL01D310T ♦	1650
7.5	18	1	0	CL02D310T ♦	1900
11	25	1	0	CL25D310T ♦	2950
12	25	1	0	CL03D310M ♦	4810
16	32	1	0	CL04D310M ♦	5500
22	40	1	1	CL45D311M ♦	6500
25	50	1	1	CL06E311M ♦	10000
37	65	1	1	CL07E311M ♦	10650
45	80	1	1	CL08E311M ♦	12500
50	95	1	1	CL09E311M ♦	14500
55	105	1	1	CL10E311M ♦	16800
Series CK					
80	150	1	1	CK75CE311 ♦	27500
100	185	1	1	CK08CE311 ♦	28500
125	205	1	1	CK85BE311 ♦	30500
132	250	1	1	CK09BE311 ♦	31500
160	309	1	1	CK95BE311 ♦	39500
230	420	1	1	CK10CE311 ♦	49500
315	550	1	1	CK11CE311 ♦	73750
400	700	1	1	CK12BE311 ♦	129750

Table 1. Coil Voltage - AC/DC

♦	D	G	J	N	U	W*
AC50Hz	24	48	110	220/230	380	415
DC	24	48	110	220	-	-

*Note: In case of electronic coil module, please suffix 'U' for 380 / 415V

Table 2. Wide band Coil Voltage - AC

♦	1	2	3	5	7	13	8
AC50/60Hz	24	42	110V	220	240V	400V	440V

Notes:

- To complete the ordering code reference replace the symbol (♦) with the code corresponding to the voltage, given in table 1 & 2
- For other coil voltages, please contact our nearest sales office
- LB1AJ is replaced by LB1A3
- LB1AD is replaced by LB1A1



Power Contactors 4 Pole AC Control

AC1 Rating at 415V	Admissible Power AC1	Aux. Contact Arrangement		Code Reference	Buy Log per Unit
		NO	NC		
Amps	KW				
Series CL					
25	18	0	0	CL01A400T♦	1275
32	23	0	0	CL02A400T♦	1400
40	25	0	0	GCL25A400T♦	2250
45	32	0	0	CL03A400M♦	3500
60	43	0	0	CL04A400M♦	4950
90	64	0	0	CL05A400M♦	8025
110	79	0	0	CL07A400M♦	10050
140	100	0	0	CL09A400M♦	14500
160	110	0	0	CL12A400M♦	15300
200	143	0	0	CL13A400M♦	17400
Series CK					
200	143	1	1	CK07BA411♦	20800
325	233	1	1	CK08BA411♦	35050
400	287	1	1	CK09BE411♦	46050
500	359	1	1	CK95BE411♦	55000
600	431	1	1	CK10CE411♦	71000
700	503	1	1	CK11CE411♦	78500
1000	719	1	1	CK12BE411♦	115000
1250	898	1	1	CK13BA411♦	262500

With 2 NO + 2 NC Main Contact

AC1 Rating at 415V	Admissible Power AC3	Main Contact Arrangement		Code Reference	Buy Log per Unit
		NO	NC		
Amps	KW				
Series CL					
25	5.5	2	2	CL01AB00T♦	1650
32	7.5	2	2	CL02AB00T♦	2150
45	12	2	2	CL03AB00M♦	5000
60	16	2	2	CL04AB00M♦	7250
90	22	2	2	CL05AB00M♦	11150
110	37	2	2	CL07AB00M♦	12500
110	45	2	2	CL08AB00M♦	13150

Capacitor Switching Contactors

Ith Current at 415V	Rating at 415V AC	Aux. Contact Arrangement		Code Reference	Buy Log per Unit
		NO	NC		
Amps	kVAR				
Series CSC - 3 Pole, AC Control					
25	13	1	1	CSC12A311♦	2650
32	17	1	1	CSC16A311♦	3450
45	21	2	1	CSC20A321♦	3950
45	26	2	1	CSC25A321♦	4200
60	31	2	1	CSC30A321♦	8450
90	47	1	1	CSC45A311♦	11850
110	57	1	1	CSC55A311♦	12950
140	73	1	1	CSC70A311♦	16950

Overload Relays Thermal

Series	For use with	Setting Range (A)	Code Reference	Buy Log per Unit
RT1	CL00 to CL45	0.16 - 0.26	RT1B	1350
		0.25 - 0.41	RT1C	1350
		0.4 - 0.65	RT1D	1350
		0.65 - 1.1	RT1F	1350
		1 - 1.5	RT1G	1350
		1.3 - 1.9	RT1H	1350
		1.8 - 2.7	RT1J	1350
		2.5 - 4	RT1K	1350
		4 - 6.3	RT1L	1350
		5.5 - 8.5	RT1M	1350
		8 - 12	RT1N	1350
		10 - 16	RT1P	1600
		14.5 - 18	RT1S	2350
		17.5 - 22	RT1T	2350
		21 - 26	RT1U	2350
		25 - 32	RT1V	2500
30 - 40	RT1W	2500		
RT2	CL06 to CL13	11.5 - 15	RT2A	3500
		14.5 - 19	RT2B	3500
		18.5 - 25	RT2C	3500
		24 - 32	RT2D	3500
		30 - 43	RT2E	3500
		42 - 55	RT2G	3500
		54 - 65	RT2H	4300
		64 - 82	RT2J	4300
		78 - 97	RT2L	4300
		90 - 110	RT2M	4300
RT3	CK75, CK08	55 - 80	RT3B	6500
		63 - 90	RT3C	6500
		90 - 120	RT3D	6500
		110 - 140	RT3E	6500
		140 - 190	RT3F	6500
RT4	CK85, CK09, CK95	120 - 190	RT4N	9050
		175 - 280	RT4P	9050
		200 - 310	RT4R	9050
RT5	CK10 to CK12	120 - 190	RT5A	10000
		175 - 280	RT5B	10000
		250 - 400	RT5C	11600
		315 - 500	RT5D	11600
		430 - 700	RT5E	11600

Electronic

Series	For use with	Setting Range (A)	Code Reference	Buy Log per Unit	
RE	CL00, CL45 (Sold in pack of 5)	0.1 - 0.5	RE1D	5000	
		0.4 - 2	RE1H	5000	
		1 - 5	RE1K	5000	
		1.6 - 8	RE1M	5000	
		6.4 - 32	RE1S	5000	
	CL05, CL10	9 - 45	RE1W	5000	
		15 - 75	RE2H	7500	
		22 - 110	RE2M	7500	
		CK75 CK08	30 - 150	RE3E	10650

Notes:
 1. To complete the ordering code reference replace the symbol (♦) with the code corresponding to the voltage given in table 1 & 2
 2. For other coil voltages, please contact our nearest sales office



For Series M Contactors

Instantaneous Auxiliary Contact Block (Front Mounted)

For use with	Number of Contacts	Contact Arrangement		Code Reference	Buy Log per Unit
		NO	NC		
	2	2	0	MARN220AT	440
MCRA	2	1	1	MARN211AT	440
MCRC	2	0	2	MARN202AT	440
MCOA	4	4	0	MARN440AT	510
MC1A	4	3	1	MARN431AT	510
MCOC	4	2	2	MARN422AT	510
MC1C	4	1	3	MARN413AT	510
	4	0	4	MARN404AT	510

Transient Voltage Suppressor Block

For use with	Control Circuit	Type	Ue	Code Reference	Buy Log per Unit
MCRA, MCOC, MC1A	AC	R/C	12V to 60V	MPOAAE1	530
			110V to 240V	MPOAAE2	530
MCRA, MCOC, MC1C	DC	Varistor	6V to 250V DC	MPOCAE3♦	530

Electronic Timer Module

For use with	Control Circuit	Type	Time	Code Reference	Buy Log per Unit
MCR, MCO, MC.	24-250V AC/DC	Delayed ON	0.5-60s	MREBC10AC2	2250
		Delayed OFF	0.2-24s	MREBE20AC2	2875

For RL/CL/CK Contactors

Mechanical Interlock

For use with	Mounting	Code Reference	Buy Log per Unit
RL4R, CL00-CL13	Side	BELA	460
	Side	BELA02*	1150
CK07-CK12B	Side	BEKH	2400
CK75C-CK95B	Vertical	BEKVS	9085
CK10, CK11, CK13	Vertical	BEKVA	9800
CK13	Vertical	BEKV	18975
Kit comprising mechanical interlock and contactor joining parts			
MCR, MCO, MC1	Direct / Front	MMHO	460

* Also with in-built 2NC contacts for Electrical Interlock
 Maximum number of auxiliary contacts is:
 6 for Series M
 4 for RL4R, CL00 to CL25
 6 for CL04, CL45
 8 for CL06, CL10
 CK contactors always provided with one aux contact block BCLL11

For RL/CL/CK Contactors

Instantaneous and Timed Auxiliary Contact Block

For use with	Mounting	Type	Contact Arrangement		Code Reference	Buy Log per Unit
			NO	NC		
RL4R, CL00-CL13	Front	Instantaneous	1	0	BCLF10	125
		Instantaneous	0	1	BCLF01	125
		Make early	1	0	BCLF10G ⁽³⁾	240
		Break late	0	1	BCLF01G ⁽³⁾	240
RL4R, CL00-CL13	Side ⁽¹⁾	Instantaneous	1	1	BCLL11	460
		Instantaneous	2	0	BCLL20	460
CK75-CK13	Side ⁽²⁾	Instantaneous	1	1	BRL11	460
		Instantaneous	2	0	BRL20	460

Transient Voltage Suppressor Block

For use with	Control Circuit	Type	Ue	Code Reference	Buy Log per Unit
RL4R, CL00-CL45	AC	R/C	12V to 48V	BSLR2G	530
			50V to 127V	BSLR2K	530
			130V to 250V	BSLR2R	530
RL4R, CL00-CL13	AC/DC	Varistor	24V to 48V	BSLV3G	550
			50V to 127V	BSLV3K	550
			130V to 250V	BSLV3R	550
			277V to 500V	BSLV3U	550

Electronic Timer Module

For use with	Control Circuit	Type	Time	Code Reference	Buy Log per Unit
RL4R, CL00-CL13	24-250V AC/DC	Delayed ON	0.1..2s	BETL02C	2900
			1.5..45s	BETL45C	2900
		Delayed OFF	0.1..2s	BETL02D	2900
			1..60s	BETL45D	2900

Mechanical Latch Blocks

For use with	Code Reference	Buy Log per Unit
RL4R, CL00-CL13	RMLF ♦	2500

Pneumatic Timer Block

For use with	Mounting	Type	Contact Arrangement		Time	Code Reference	Buy Log per Unit
			NO	NC			
RL4R, CL00-CL13	Frontal	Delayed ON	1	1	0.1..30s	BTLF30C	1950
			1	1	1..60s	BTLF60C	
	Frontal	Delayed OFF	1	1	0.1..30s	BTLF30D	
			1	1	1..60s	BTLF60D	

1. First side mounted block
 2. Second side mounted block
 3. BCLF10G and BCLF01G are 'Make Before' (NO) and 'Break After' (NC) auxiliary contacts
Notes:
 To complete the ordering code ref. replace the symbol (♦) by the code corresponding to the voltage, given in table 1 & 2



For Overload Relays

Description	Code Reference	Buy Log per Unit
Separate mounting base for RT1 Relays	RTXP	400
Separate mounting base for RT2 Relays	RT2XP	600
Setting range cover protection for RT range	RTX3	300
Remote reset kit for RT range (cable length 0.5 mtr.)	RTXS	1725
Remote reset kit for RT range (cable length 1 mtr.)	RTXSL	2645
Remote electrical reset kit for RT range	RTXRRB	2200
Separate mounting kit for RE1	RE1XP	435
Separate mounting kit for RE2	RE2XP	900

Electronic Timers

Description	Code Reference	Buy Log per Unit
Star Delta Timers		
0 - 30 secs, 230V AC, 2 C/O	HSDT2CON	1405
0 - 30 secs, 415V AC, 2 C/O	HSDT2COW	1405
On Delay Timer		
Multirange/Multivoltage timer, 2 C/O-3Secs/ 30Secs 3 mins/30 mins, 24V to 240V AC/DC	HODT2COZ	1645

Spare Contact kits

For use with	No. of Sets (1)	TYPE	Code Reference	Buy Log per Unit
CL00	3	NO	V31200B	550
CL01	3	NO	V31201B	680
CL02	3	NO	V31202B	760
CL25	3	NO	V31225B	830
CL04	3	NO	V31204B	1270
CL45	3	NO	V31245B	2970
CL06	3	NO	V31206B	3450
CL07	3	NO	V31207B	4260
CL08	3	NO	V31208B	5640
CL09	3	NO	V31209B	7020
CL10	3	NO	V31210B	7940
CL12	3	NO	V41200B	9085
CL13	3	NO	V41201B	10470
CK07B	1	NO	V1107BA	3450
CK75C	1	NO	V1175CA	3800
CK08C	1	NO	V1108CA	4310
CK08B	1	NO	V1108BA	4770
CK85B	1	NO	V1185BA	4950
CK09B	1	NO	V1109BA	5980
CK95B	1	NO	V1195BA	7070
CK10C	1	NO	V1110CE	9370
CK11C	1	NO	V1111CE	11440
CK12B	1	NO	V1112BA	20360
CK13B	1	NO	V1113BA	30360

Spare Coils – AC, DC & AC/DC

For use with	Control Circuit	TYPE	Code Reference	Buy Log per Unit
MCRA (Mini)	AC	Coil	MBOA ♦	565
RL4R, CL00A - CL25A CSC12A - CSC25A	AC	Coil	LB1A ♦	620
CL03A - CL45A, CSC30A	AC	Coil	LB3A ♦	1500
CL06A - CL13A, CSC45A - CSC70A	AC	Coil	LB4A ♦	2070
CK75CA3 - CK08CA3	AC	Coil	C12168 ♦	3500
CK85BA3, CK07BA4	AC	Coil	C04255 ♦	3795
CK08BA4	AC	Coil	C04787 ♦	4775
CK13BA3	AC	Coil	C08998 ♦	40825
MCRC, MCOC, MC1C	DC	Coil	MB0C ♦	825
RL4RD, CL00D - CL25D	DC	Coil	LB1D ♦	1320
CL03D - CL45D	DC	Coil	LB3D ♦	2360
CL06 - CL10	DC	Coil	LB4E ♦	4950
CK75CE3, CK08CE3	AC/DC Module	Coil	KB4E ♦	3500
		Electronic	KM4E ♦	6325
CK85BE3, CK09BE3, CK95BE3	AC/DC Module	Coil	KB5E ♦	6325
		Electronic	KM5E ♦	7940
CK10CE3, CK11CE3, CK10CE4, CK11CE4	AC/DC Module	Coil	KB7E ♦	9660
		Electronic	KM7E ♦	7940
CK12BE3, CK09BE4, CK95BE4	AC/DC Module	Coil	KB6E ♦	11960
		Electronic	KM6E ♦	7940

Notes:

- One set consists of 2 fixed contacts, one moving contact and accessory parts
- To complete the ordering code reference replace the symbol (♦) by the code corresponding to the voltage, given in table 1, 2 & 3
- 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
- LB1AJ is replaced by LB1A3
- LB1AD is replaced by LB1A1



Miniature Circuit Breakers - Guardline

Configuration	Rating	Buy Log per Unit
SP 'B' Curve	6A-32A	204
	40A	430
SP 'C' Curve	0.5A-4A	310
	6A-32A	204
DP 'C' Curve	40A	430
	0.5A-4A	820
	6A - 32A	605
TP 'C' Curve	40A	965
	0.5A - 4A	1290
	6A - 32A	970
	40A	1485

For 'D' curve and DC MCBs, please contact us

Ordering Code

While ordering please specify the code as below

GL _ _ _ _

Curve* (B, C) Current Rating
(0.5A-00, 1A-01, 2A-02, 40A-40)

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

Example: 3P, 25A, C Curve Code: GLCTP25

* 'B' curve available in SP configuration 6A - 40A only

Isolators

Current Rating	Poles	Code Reference	Buy Log per Unit
40	Double pole	GLISDP40	380
63	Double pole	GLISDP63	490
40	Triple pole	GLISTP40	640
63	Triple pole	GLISTP63	740
40	Four pole	GLISFP40	840
63	Four pole	GLISFP63	900

Plug & Socket Distribution Boards

Description	Code Reference	Buy Log per Unit
20A SPN	SLRMS0S20Y	1080
32A TPN	SLRMS0T32Y	2400
63A TPN with provision for 3Pole MCB	SLRMS0363Y	8600
20A SPN with provision for 2 Pole RCCB	SLRMS0220Y	1600
32A TPN with provision for 4 Pole RCCB	SLRMS0432Y	2400

Residual Current Circuit Breaker - Safetrip

Rating	Rating		Poles	Sensitivity (mA)	Code Reference	Buy Log per Unit
	Volt	Amp				
240V AC	25	2	2	30		2250
	40	2	2	30		2650
	63	2	2	30		3050
	25	2	2	100		2300
	40	2	2	100		2725
	63	2	2	100		3175
	25	2	2	300		2350
	40	2	2	300		2800
	63	2	2	300		3250
240V/415V AC	25	4	4	30	SGE8124025	2850
	40	4	4	30	SGE8124040	3025
	63	4	4	30	SGE8124063	3500
	25	4	4	100	SGE8134025	3125
	40	4	4	100	SGE8134040	3200
	63	4	4	100	SGE8134063	3650
	25	4	4	300	SGE8144025	3150
	40	4	4	300	SGE8144040	3225
	63	4	4	300	SGE8144063	3675

All 2 pole RCCBs are in 4 module size

Enclosures

Description	Code Reference	Buy Log per Unit
1 Way Enclosure	SLEMS0001Y	275
2 Way Enclosure	SLEMS0002Y	350
3 Way Enclosure	SLEMS0003Y	375
4 Way Enclosure	SLEMS0004Y	375
6 Way Enclosure	SLEMS0006Y	475
8 Way Enclosure	SLEMS0008Y	500

Blanking Plate

Description	Code Reference	Buy Log per Unit
1 Way blanking plate	SLMBP0001X	13



Safeline

SPN Distribution Boards

Description	Single Door		Double Door		Acrylic Door	
	Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit
4 Way	SLSMS0204Y	800	SLSMD0204Y	1130	-	-
6 Way	SLSMS0206Y	870	SLSMD0206Y	1200	SLSMA0206Y	1420
8 Way	SLSMS0208Y	970	SLSMD0208Y	1350	SLSMA0208Y	1550
10 Way	SLSMS0210Y	1030	SLSMD0210Y	1420	SLSMA0210Y	1730
12 Way	SLSMS0212Y	1140	SLSMD0212Y	1600	SLSMA0212Y	1940
14 Way	SLSMS0214Y	1290	SLSMD0214Y	1840	SLSMA0214Y	2150
16 Way	SLSMS0216Y	1520	SLSMD0216Y	1970	SLSMA0216Y	2520
18 Way	SLSMS0218Y	1760	SLSMD0218Y	2520	SLSMA0218Y	2890

TPN Distribution Boards with 8 Module Incomer

Description	Single Door		Double Door		Acrylic Door	
	Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit
4 Way	SLTMS0804Y	1940	SLTMD0804Y	2630	SLTMA0804Y	3050
6 Way	SLTMS0806Y	2470	SLTMD0806Y	3230	SLTMA0806Y	3730
8 Way	SLTMS0808Y	2840	SLTMD0808Y	3890	SLTMA0808Y	4460
12 Way	SLTMS0812Y	4200	SLTMD0812Y	5670	SLTMA0812Y	6830

Per Phase Isolation Distribution Boards - Horizontal Type

With four neutral links, one earth link, excluding bus bars and interconnections

Description	Single Door		Double Door	
	Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit
6 Way (8+4+2)	SLHMS0806Y	4350	SLHMD0806Y	4860
8 Way (8+6+2)	SLHMS0808Y	5400	SLHMD0808Y	5930
12 Way (8+10+2)	SLHMS0812Y	6250	SLHMD0812Y	6930
16 Way (8+14+2)	SLHMS0816Y	7250	SLHMD0816Y	9350

Per Phase Isolation Distribution Boards - Vertical Type (Tier)

With four neutral links, one earth link, excluding bus bars and interconnections

Description	Double Door		Acrylic Door	
	Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit
8 Way (3 Rowx8+1 Rowx8)	SLIMD0808Y	5400	SLIMA0808Y	5675
10 Way (3 Rowx10+1 Rowx8)	SLIMD0810Y	5850	SLIMA0810Y	6250
12 Way (3 Rowx12+1 Rowx8)	SLIMD0812Y	7300	SLIMA0812Y	7500
14 Way (3 Rowx14+1 Rowx8)	SLIMD0814Y	8700	SLIMA0814Y	8925
16 Way (3 Rowx16+1 Rowx8)	SLIMD0816Y	10150	SLIMA0816Y	10350



TPN Vertical Distribution Boards with 4 Pole MCCB Incomer

Description	Double Door - 125A MCCB	
	Code Reference	Buy Log per Unit
4 Way	SLVMDM04Y	7560
6 Way	SLVMDM06Y	8610
8 Way	SLVMDM08Y	9400
12 Way	SLVMDM12Y	12390

Spectra TME MCCBs upto 125A only. Higher ratings available on request.

TPN Vertical Distribution Boards with MCB Incomer

Description	Single Door		Double Door	
	Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit
4 Way provision for 4Pole MCB/RCCB	SLVMS0804Y	5500	SLVMD0804Y	6700
6 Way provision for 4Pole MCB/RCCB	SLVMS0806Y	6100	SLVMD0806Y	7550
8 Way provision for 4Pole MCB/RCCB	SLVMS0808Y	6900	SLVMD0808Y	8200
12 Way provision for 4Pole MCB/RCCB	SLVMS0812Y	9650	SLVMD0812Y	10700

Phase Segregated Distribution Boards with 8 Module Incomer

Description	Single Door		Double Door	
	Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit
4 Way	SLCMS0804Y	5725	SLCMD0804Y	6400
6 Way	SLCMS0806Y	6350	SLCMD0806Y	7100
8 Way	SLCMS0808Y	6775	SLCMD0808Y	8025
12 Way	SLCMS0812Y	7825	SLCMD0812Y	10100

Manual Phase selector Distribution Boards with 3 Piano Switches and provision for 3 nos. Phase Selector Switches

Description	Single Door		Double Door	
	Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit
4 Way	SLXMS0804Y	5450	SLXMD0804Y	5750
6 Way	SLXMS0806Y	6050	SLXMD0806Y	6825
8 Way	SLXMS0808Y	6500	SLXMD0808Y	7375
12 Way	SLXMS0812Y	7900	SLXMD0812Y	8500

Universal Distribution Boards

Description	Double Door		Acrylic Door	
	Code Reference	Buy Log per Unit	Code Reference	Buy Log per Unit
14 Module x 2 tier	SLFMD0214Y	4050	SLFMA0214Y	4500
14 Module x 3 tier	SLFMD0314Y	4400	SLFMA0314Y	5200
14 Module x 4 tier	SLFMD0414Y	4650	SLFMA0414Y	5300

For the following Comfort Function products please contact your nearest sales office

- Switches & push buttons - Aster
- Indication lamp - Aster
- Contactors - Contax
- Relays - Contax R
- Impulse switches - Pulsar S
- Staircase switches - Pulsar TS
- Time relays - Pulsar T
- Analogue time switches - Classic
- Digital time switches - Galax
- Time switches - 72x72 Classic and Galax
- Light sensitive switches - Galax LSS
- Transformers - Series T
- Measurement instruments - Series MT
- Priority and sequence phase relays - Series PR
- Surge arresters - Surge guard



MV Circuit Breaker - SecoVac

Overview

- Rated current 630A – 1250A @ 12kV
- Conformance to IEC 62271-100
- Rated short circuit breaking capacity: 26.3kA, 31.5kA
- Power frequency with stand voltage: 42kV
- Mechanical life: 10,000 / 20,000 operations
- Suitable for Indoor application



Salient Features

- **Power frequency withstand : 42kV**
 - Robust design
 - Higher reliability & durability
- **Enclosed pole construction**
 - Better Creepage distance
 - Reliable for harsh & dusty environments
- **Mechanical life 20,000 operations**
 - Higher system operating life
- **Tulip contacts in breaker**
 - Ensures proper contact compared to conventional flat type contact
 - Convenient to connect
 - Wider contact area

Sandwich Busways – WavePro LT

Overview

- Current rating Al: 250A-4000A; Cu:250A-5000A*
- Type tested as per IEC 60439-1&2
- Rated Operating voltage (Ui): 690VAC
- Rated Insulation voltage (Ue): 1000V
- Low watt loss & Temperature rise within the limits specified in standards
- Available versions:
 - 3L + 50% Housing ground
 - 3L + 100% N + 50% Housing ground
 - 3L + 200% N + 50% Housing ground
 - 3L + 100% N + 50% Internal ground
 - 3L + 200% N + 50% Internal ground
- Degree of Protection: IP40, IP54 & IP65
- Suitable for indoor application. For outdoor, IP65 version with canopy to be used
- Range of accessories: Joints, Elbows, Tee elbows, Offset elbows, Transposition, Expansions, Reducer, Plug in boxes, Adaptor boxes, End cover etc..
- Housing made of extruded Aluminium with zero fixed losses

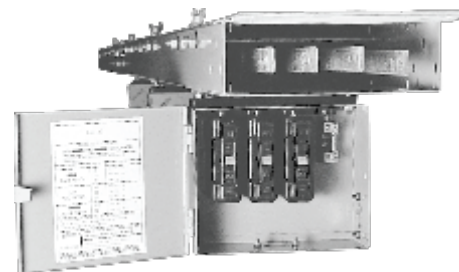
*6300A available on request.



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 plug in boxes with HBC fuse links 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. Please contact our nearest sales office for detailed information

Incomer Housing with MCCB

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

TPN Plug-in Box

Rating		List No.	Recommended HBC Fuselinks (Type/Size)	Code Reference	Buy Log per Unit
Volt	Amp				
415V AC	32	RRF303N-4	A2	PGT8215000	4330
	63	RRF603N-4	A2	PGT8220000	5175
	100	RRF1003N-4	A4	PGT8225000	8665

Notes:

1. Plug-in boxes with provision for MCBs available on request
2. Tap- Off boxes with SDFUs, MCCBs, and feed units / Incomer housings are available on request

Type 2 coordination with MPCBs - DOL 415V (50kA)

Motor Rating KW/HP	Line Current @ 415V (A)	Surion MPC		Contactor	
		Type	Rating (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	GPS2BHAR	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 with MPCBs - Star Delta 415V (50kA)

Motor Rating KW/HP	Line Current @ 415V (A)	Line Current @ 415V (A)	Surion MPC		Contactor	
			Type	Rating (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

Notes: GPS3

1. The MPCB will trip only on short-circuits and on overloads, it gives a trip signal to the contactor through a NC from contactor in-built relay
2. The MPCB also gives the trip signal through NC contact from the in-built relay to the contactor for protection against single phasing and phase reversal



Authorized Service Franchisee

North

Delhi

Delhi ACB Service Centre
House No. 156, Amit Chand Khan,
Giri Nagar, Kalkaji,
New Delhi - 110019
Mr. Abdul Rab, Mr. Tauseef Ahmed,
Mr. Rais - 9811129159, 9811385247
9971187436, (O) 011-26479210
(R) 011-26440233
Email: Ahmedtauseef.acb@indiatimes.com

Super Electrical Company
NE - 98, Vishnu Garden, Street #3,
Near Village Kyala, New Delhi - 110018
Mr. Kuldeep - 9810111244
011-25980653/25983395
Email: superelectricalco@yahoo.co.in

Master Engineering Services
20/7, Chhoti Subzi Mandi, Janakpuri,
New Delhi - 110058.
Mr. Bhushan - 9811262378
011-25513334/25513335
Email: master_engservices@yahoo.com

Gurgaon

P.C. Customer Service Centre
Shop No. - 08, 2nd Floor, Kamla palace,
Near Federal Bank, Gurgaon,
Haryana - 122001
Mr. P. C. Prakash - 0124-4063870/
9810957870, Email:
pccustomerservicecentre@yahoo.com/
pcprakashpc@yahoo.com

Kanpur

Nanda Electrical Enterprises
122/1, B-5, Sarojini Nagar,
Kanpur-208012
Mr. Nanda - 9935543215/0512-2215309
Fax: 05122215970,
Email: knpnanda@sancharnet.in/
knpnanda@gmail.com

Ludhiana

GTB Engineers
2584, Street no. 1, B/S Bharat
Petroleum, Gill Road, Janta Nagar,
Ludhiana, Punjab - 141003
Mr. Dhir Singh Saran, Mr. Satvinder Singh
9855623213/0161-5017511
Email: gtb_engineers@rediffmail.com

Bhilwara

Dynamic Elecpower Pvt. Ltd.
G-68, Rico Industrial Area, Biliya,
Bhilwara - 311001
Mr. Sanjeev Lodha, Mr. R.K Tilak
01482-260067/01482-260142/
9414115151/9413356066
Email: dynamic.elecpower@gmail.com/
skl.dynamic@gmail.com

Haryana

M/s. Vaishno Enterprises
Shop No: 288, 1st floor, Haripur, Sector 4,
Panchkulla, Haryana - 134112
Mr. Rajeev Vaid
9810216819/9876782438
Email: vaishno.entpr@yahoo.com/
rajeev.vaid@aol.com

East

Kolkata

Allied Engineering
53B/1A, Gorchha Road Kolkata - 700019
Mr. Achintya Kr. Ghosh
033-24617468/9831270508/9433795088
Email: achintaghosh@yahoo.co.in

Edison Services
P-162, Oxy Town, Biren Roy Road (W),
Kolkata - 700061
Mr. Jayanta Sankar Dasgupta
033-23646514/ 9433241310/
09883076133
Email: edisonservices2k@gmail.com/
dasguptajs@gmail.com

Durgapur

Real Control
Dr. Zakirul Hussain Avenue,
Durgapur-713206
Mr. Malay Mondal/Sukanta Mondal
0343-2557395/09434010569/
09434051823
Email: malaymondaldgp@gmail.com

Orissa

Pooja Sales Corporation
A32/210, 2nd Floor, 1st Lane Simlipada,
Angul, Orissa - 759122
Mr. Vikash Agarwal
06764-233940/9437069957
Email: pspl_vk@rediffmail.com

IDEAS & Installation
Ground Floor, Plot No. - 16, Sector A,
Zone B, Mancheswar Industrial Estate,
Bhubaneswar - 10
Mr. Nihar Panda/Tapas Panda
9861040136/09861683408
Email: nihar_ic@yahoo.com

Assam

Raj Electricals
G. S. Road, Bangagarh,
Guwahati-781005
Mr. Sushil Rajbangshi
0361-2527847/9864034140
Email: sushilrajbangshi@sify.com

Chhattisgarh

Techno Enterprises
6B, Nandini Road, Power, Bilhail,
Chhatisgarh - 490011
Mr. RP Maheswari, Mr. Shakat Maheswari
9329100861/9329022810/9425292997
/0771-2233795/0788-2223689
Email: technoent2001@gmail.com

Jamshedpur

M/s. Alcalab Pvt. Ltd
311-316, Ashiana Trade Center,
Adityapur, Jamshedpur - 831013
Mr. Jatinder Singh Dugal
9204650603/0657-6531124
Email: alcalab@jsr.com

Jharkhand

M/s. Green Star
Shop No.51, Sanjay Sadbhawna Market,
Tinplate, Jamshedur,
Jharkhand - 831003
Mr. Jitendra Kumar Rikhi
9801242535/9234191048
Email: greenstar444@gmail.com

West

Mumbai

M/s. Konkani Electric Corporation (N.M.)
Plot No. 60, Sector - 23, CIDCO Industrial
Estate, Turbhe, Navi Mumbai - 400705
Mr. J. K. Shah/Mr. Nimit Shah
022-27832501/9323381796/
Fax: 022-27832165
Email: konkanelec@rediffmail.com

P-N-P Engineering Corporation
130, Sarita, Prabhat Indl. Estate, Next to
Toll Naka, Western Exp. Highway,
Dahisar (East), Mumbai - 400068
Mr. Jigar P. Parikh
022-32507962/ 28969245/9769445632
Email: pnpengg@rediffmail.com

Vapi

M/s. VIJ Electricals & Services
208, Deepmala Co-housing society,
Hariya park, Vapi Silvassa Road, Vapi
(West) - 396 191
Mr. Pramod Patil - 9824113302
Email: vijelectrical@yahoo.com

Nagpur

M/s. Ravi Engineering Services
Ravi Engineering Services, Plot no. W-22,
Hingna Industrial Area, MIDC,
Nagpur - 440016
Mr. Ravi Patil - 9422807882
Email: resrp2004@yahoo.co.in

Pune

M/s. Desh Electricals & Mktg.
No. 3 & 4, 1st floor, Saptasungi
Apartments, 1511 B, Sadashiv Peth,
Pune - 411030
Mr. P. G. Deshpande
020-24465843 (T/F) /9822751788
Email: deshelect@gmail.com

Indore

M/s. Technocom Marketing
A15, Block-3, New Siyaganj,
Indore-452006
Mr. Mahesh Aggarwal
0731-2548955/2541428/4000034/
9425055626/9826052721
Email: techno_com@airtelmail.in/
maheshtechnocom@gmail.com

Ahmedabad

M/s. Power Sales & Services
31, Modi Estate, Opp. Samrat Nagar,
Isanpur, Ahmedabad - 382443
Mr. Paresh Gajipara
079-2573 6912/9825013055/
9825054732
Email: powersales_2004@sify.com

Nasik

Guru Engineering & Contractors
Row House No 186, DGP Nagar no-3,
ITI-Ambad Link Road Nasik 422010
Mr. Somnath Ramkrushna Patil
9850201266/0253-2372933
Email: srpatilnsk@yahoo.co.in

Vadodara

Shanti Engineers
129, Mahajan Society, B/H, Convert
School Fatehgunj, Vadodara - 390002
Mr. Pradi N. Jariwala (Owner) /
Mr. Ganesh N. Borse - 0265-2791442/
9725027022/9913484048
Email: Shantiengg@indiatimes.com

South

Chennai

M/s. Chennai Engineering Services
No.16, 3rd Main Road, CIT Nagar,
Nandanam, Chennai - 600035
Mr. Krishnamoorthy/Mr. Maran
(044) 24310503/24361140
9841045610 Email:
chennaiengineering@hotmail.com

Cochin

M/s. General Enterprises
5/292, 'Anjiliyil', Pishari Kovil Road, Eroor,
P.O. Tripunithura, Kochi - 682306
Mr. Jaikumar/Mr. Ashokan
0484 3042884/4033425/9447077580
Email: generalenterprises@hotmail.com

Hyderabad

M/s. Techno Serve Electricals
H. No. - 25-23/63, Talla Basthi, East
Anadbagh, Malkajgiri,
Hyderabad- 500047
Mr. K. Srinivas
Telefax: (040) 27248142/9849240771
Email: techno_s@rediffmail.com

Coimbatore

M/s. Chennai Engineering Services
11/25, Bharathi Nagar, 1st street,
S.M. Palayam Road, G.N. Mills,
Coimbatore- 641029
Mr. Krishnamoorthy/Mr. Maran
(044) 24310503/24361140
Fax: 24361140/9843081773
Email:
chennaiengineering@hotmail.com

Madurai

M/s. Madurai Engineers
Plot No. 230, P.P.Chavadi,
Madurai- 625016
Mr. Rajkumar (0452) 2349500/
9994950101 Email:
maduraiengineers@rediffmail.com

Visakhapatnam

M/s. Techno Serve Electricals
#27-3-98, Near Kanithi Road,
Srinagar Colony, Gajuwaka,
Visakhapatnam- 530026
Mr. Phani Krishan
Telefax - (040) 2728142/9849254623
Email: techno_k@rediffmail.com

Bangalore

M/s. Power Solutions
870, 14th Cross, II Stage, 10th Main
Road, Indiranagar, Bangalore - 560038
Mr. N. Suresh (080) 25254652/
9900269919 Email:
powersolutionbangalore@gmail.com

M/s. S. D. Electricals

#15/2, Hegganahalli, Main Road,
Opposite I O Petrol Bunk,
Near Mohan Theatre, Sunkadakatte,
Bangalore - 560091.
M. Srinivaskumar
9972104618/9620193477
Email: srinivas_ceblr@yahoo.co.in

Visakhapatnam

Bharat Technical Services
DN # 4-46-2/1, Main Road, Near
Padmanabha Apts., Pedawaltair,
Visakhapatnam - 530017
Mr. B. Y. Reddy
9849072528/0891-6595703
Email: btsreddy@yahoo.com



REGIONAL OFFICES

BRANCH OFFICES

NORTH

Gurgaon

GE India Industrial Pvt. Ltd.
5th Floor, Building No.7A
DLF Cyber City, DLF Phase-III
Sector 25 A, Gurgaon
Haryana - 122002
Ph: (0124) 4808000
Fax: (0124) 4226911 / 4226912

Chandigarh

GE India Industrial Pvt. Ltd.
SCO No. 72 & 73, First Floor
Sector 8/C, Madhya Marg
Chandigarh-160008
Ph: (0172) 3982908-10
Fax: (0172) 3982905

SOUTH

Bangalore

GE India Industrial Pvt. Ltd.
Plot No. 42/1 & 45/14
Electronic City - Phase II
Bangalore - 560100
Ph: (080) 41114000
Fax: (080) 41434199

Chennai

GE India Industrial Pvt. Ltd.
No. 12, 20 & 29, South Phase
Thiru Vika Industrial Estate
Ekkaduthangal, Guindy
Chennai-600032
Ph: (044) 49680000
Fax: (044) 42630292

Coimbatore

GE India Industrial Pvt. Ltd.
No.36/6 & 7, 1st Floor
Ashirwad Building
D.B.Road, R.S. Puram
Coimbatore-641002
Ph: (0422) 4393520 / 4393529

Cochin

GE India Industrial Pvt. Ltd.
Mayur Business Center & Motel
Chittur Road, Pullepadi Junction
Cochin-682035
Ph: (0484) 2364139
Fax: (0484) 4031400

Hyderabad

GE India Industrial Pvt. Ltd.
5th Floor, Ashoka Janardhan
Chambers, 1-10-72, SP Road
Begumpet, Secunderabad-500016.
Ph: (040) 27543162, 66311264
Fax: (040) 66339272

WEST

Mumbai

GE India Industrial Pvt. Ltd.
361/362, Solitaire Corporate Park
M. Vasanji Road, Chakala
Andheri (E), Mumbai-400093
Ph: (022) 40101610
Fax: (022) 40101611

Pune

GE Money Financial Services Limited
Shop No. 405-410, 4th Floor
City Point, Dhole Patil Road
Pune-411001
Ph: (020) 41266999
Fax: (020) 41266109

EAST

Kolkata

GE India Industrial Pvt. Ltd.
Horizon Building, 4th Floor
57, Chowringhee Road
Kolkata-700071
Ph: (033) 40034056
Fax: (033) 40034071

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HO & Works:

GE India Industrial Pvt. Ltd.
Plot No. 42/1 & 45/14
Electronic City - Phase II
Bangalore - 560100
HO- Ph: (080) 41114000
Fax: (080) 41434199

Works - Ph: (080) 41113000
Fax: (080) 285288469/55

Customer Care:

18001024343

Email:

gecustomer.care@ge.com



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