



The Power of Technology



-  SWITCHGEAR
-  METERING
-  PROTECTION

# Price List

Effective 19<sup>th</sup> April'2012



## Contactors & Overload Relays

### Salient Features

- Widest Range of 3P & 4P Contactors upto 800A
- 25 Models in just 9 frames
- Capacitor Duty Contactors upto 62 kvar
- Highest Electrical Life upto 2.5 million operations.
- Differential Bimetallic Overload Relays upto 800A
- Site mounted add on accessories
- Safety cover to avoid dust
- Conformity to latest IEC/IS Standards
- Type II Co-ordination
- CE marked & UL Certified

**intelliCONTROL**  
intelligent control



In technical collaboration with

**LSIS**, korea

## Panel Meters & Energy Meters

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Three Phase Panel Mounted Meter  
Dual Source Energy Meter  
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HT-EPF Energy Meter  
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Electronic Energy Meter  
LT-CT Operated Trivector Meter

## Industrial Products

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Load Break Switches  
Switch Fuse Changeover  
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### Switchgear : HPL

Switch Disconnecter Fuse  
Load Break Switch (Isolator)  
HRC Fuse Link, Holders & Bases  
Fuse Holders for British Pattern Fuse Links  
Fuse Base for DIN Type Fuse Links - Type HFB

### Contactor and Overload Relay

### Air Circuit Breaker

*intelliPROTECT* - Range of ACBs

### HPL MCCB

TAB™ Series of MCCBs  
Motor Duty - MD Series of MCCBs  
TAB Basix  
Load Guard Series of MCCBs  
MCCB Distribution Panel  
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## Distribution / Building Products

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### HPL - Protection

Techno Miniature Circuit Breakers (MCB)  
Techno MCB Isolator  
Techno MCB - Changeover Switch  
Residual Current Circuit Breakers  
Rakshak Miniature Circuit Breakers (MCB)  
Rakshak MCB Isolator

### HPL Distribution System

MCB Distribution Boards  
Cable end Box  
Spare Parts for MCB Distribution Board  
Plug & Socket Board  
Metal Clad Industrial Plug & Socket

### HPL - Other Distribution Products

HPL - Fuse Switch Units  
HPL - Switch Fuse Units  
HPL Fuse Units (Kit-Kats) in Porcelain  
HPL - Isolators  
HPL - Changeover Switch  
HPL - Elektra Cam Switches



## DIRIS<sup>®</sup> A40 Multifunction Energy Meters

In 96 x 96 sq mm flush mounted case with six direct access keys & backlit LCD display, accuracy class 1.0



	Model	Item Code Gurgaon	List Price (₹)
DIRIS A40	DIRIS A40 Multifunction Energy Meters 5A or 1A CT input LV or HV networks AC or DC Auxiliary Supply. Measurement : V,I,In,P,Q,S,PF,F, Ea,Er & Es, THD for V & I, and Individual odd harmonics V&I upto row 25	D4048250201	16695
DIRIS A41	DIRIS A41* Multifunction Energy Meters 5A or 1A CT input LV or HV networks AC or DC Auxiliary Supply with CT on neutral. Measurement : V,I,P,Q,S,PF,F, Ea,Er & Es, THD for V & I, and individual odd harmonic V & I upto row 25	D4148250202	32022
Modules for A40 / A41	Pulse Output Module Two configurable pulse output on kWh, kvarh & kVAh.	D4048250090	3276
	Communication Module RS485 link with JBUS / MODBUS protocol, Transmission speed of upto 38,400 bauds	D4048250092	4176
	Analogue Module Two configurable 0/4 - 20 mA analogue outputs	D4048250093	8406
	Control Module 2 input for the pulse / metering or for inputs status. 2 outputs for alarm monitoring or output command. The monitoring function allows upper or lower alarm thresholds to be programmed with time delay	D4048250094	6075
	Memory Module* Storing upto a maximum of 62 days of P+, P-, Q+, Q- with an internal or external synchronisation signal of 5,8,10,15,20,30 & 60 minutes.	D4048250097	12960
	Ethernet Module* Direct Ethernet RJ45 connection with MODBUS/TCP Protocol.	D4048250203	15750
	Ethernet Module with RS 485 gateway JBUS/MODBUS* Direct Ethernet RJ45 connection with input connection of 1 to 247 RS485 JBUS/MODBUS Slaves	D4048250204	32040
	PROFIBUS-DP Module* SUB -D9 link with PROFIBUS DP protocol speed upto 12 Mbauds.	D4048250205	15750
	Temperature Module* Four Temperature indication through 1 Internal & 3 External sensor.	D4048250206	14760
DIRIS A20	DIRIS A20 Multifunction Energy Meters 5A CT input for LV networks AC or DC Auxiliary Supply. Measurement : V,I,In,P,Q,S,PF,F, Ea,Er, THD for V & I.	D2048250200	13950
	DIRIS A20 JBUS/MODBUS Communication Module	D2048250082	3420
COUNTIS	Countis E53 Multifunction Energy Meters 5A CT input for LV networks AC or DC Auxiliary Supply. Measurement : V,I,P,Q,S,PF,F, Ea,Er,Es with RS485 communication.	C5348503011	12420
	Countis E50* Multifunction Energy Meters 5A CT input for LV networks AC Auxiliary Supply. Measurement : V,I,P,Q,S,PF,F, Ea,Er,Es.	C5048503010	10800

\* Delivery 6/8 weeks from date of receipt of clear Purchase Order  
For Bulk requirement please check delivery before ordering

## emfis Panel Mounted Multi-Function Energy Meter

3 Lines LCD Display In 96 x 96 sq.mm Flush mounted case, accuracy class 1.0



	Model	Item Code Gurgaon	List Price (₹)
<b>emfis</b> 3 Phase 4 wire	*Basic	NEMFCT2EMFA1	7560
	*Basic with RS 485	NEMFCT2EMFA2	9720
<b>emfis</b> HT 3 Phase 4 wire	*Basic	NEMFCT2EMFB1	8550
	*Basic with RS 485	NEMFCT2EMFB2	10890
<b>emfis</b> vif (Voltage, Current & Frequency)		NEMFVIF00000	3600
<b>emfis</b> vifp (Voltage, Current & Frequency, Power Factor & Power)		NEMFVIFP0000	4950
<b>emfis</b> vifpe (Voltage, Current & Frequency, Power Factor, Power & Energy)		NEMFVIFPE000	6300
	*with RS 485	NEMFVIFPEA20	7380

## Three Phase Panel Mounted Meters



Electronic Energy Meter - LCD Display  
In 96 x 96 sq. mm Flush mounted case class 1.0, 3 x 240V AC supply

Model	Item Code		List Price (₹)
	Gurgaon	Jabli	
-/5A LT-CT operated Programmable upto 6000A primary current	PAMCT2E0005	PAMCT2E00H5	3690
With RS 485	PAMCT2EA005	-	4230



Electronic Energy Meter - Counter Display  
In 96 x 96 sq. mm Flush mounted case class 1.0, 3 x 240V AC supply

Model	Item Code		List Price (₹)
	Gurgaon	Jabli	
-/5A LT-CT operated or direct reading with range 50/5A to 800/5A (Please check range given in catalogue) (Direct reading meters available only from Gurgaon)	PAMCT2M0005	PAMCT2M00H5	3150

## Three Phase Panel Mounted Meters



kWh Meter for HT Applications - Counter Display

Description	Item Code		List Price (₹)
	Gurgaon	Jabli	
kWh Meter for HT application in 96 x 96 sq. mm. Flush mounted case with accuracy class 1.0.	PAMCT2MHT00	-	3600

## Dual Source Plus



LT - CT operated Dual Source PLUS Multi Function Energy Meter in 96 x 96 Sq.mm flush mounted with LCD type display measuring and displaying Energy of 2 Sources in one meter with following options :

Model	Item Code		List Price (₹)
	Gurgaon	Jabli	
Basic Version with 230V ac Mains/ Gen Selection, Energy Accuracy Class 1.0	DUSCT2EMGPC01	-	7290
Basic Version with 230V ac Mains/ Gen Selection with RS485 MODBUS Communication, Energy Accuracy Class 1.0	DUSCT2EMGPC11	-	7740
Basic Version with 230V ac Mains/ Gen Selection with RS485 MODBUS Communication with 2Nos Relay output, Energy Accuracy Class 1.0	DUSCT2EMGPC21	-	8100
Basic Version with 24V dc Mains/ Gen Selection, Energy Accuracy Class 1.0	DUSCT2EMGPD01	-	7290
Basic Version with 24V dc Mains/ Gen Selection with RS485 MODBUS Communication, Energy Accuracy Class 1.0	DUSCT2EMGPD11	-	7740
Basic Version with 24V dc Mains/ Gen Selection with RS485 MODBUS Communication with 2Nos Relay output, Energy Accuracy Class 1.0	DUSCT2EMGPD21	-	8100
Basic Version with 230V ac Mains/ Gen Selection, Energy Accuracy Class 0.5	DUSCT2EMGPC05	-	7740
Basic Version with 230V ac Mains/ Gen Selection with RS485 MODBUS Communication, Energy Accuracy Class 0.5	DUSCT2EMGPC15	-	8190
Basic Version with 230V ac Mains/ Gen Selection with RS485 MODBUS Communication with 2Nos Relay output, Energy Accuracy Class 0.5	DUSCT2EMGPC25	-	8550
Basic Version with 24V dc Mains/ Gen Selection, Energy Accuracy Class 0.5	DUSCT2EMGPD05	-	7740
Basic Version with 24V dc Mains/ Gen Selection with RS485 MODBUS Communication, Energy Accuracy Class 0.5	DUSCT2EMGPD15	-	8190
Basic Version with 24V dc Mains/ Gen Selection with RS485 MODBUS Communication with 2Nos Relay output, Energy Accuracy Class 0.5	DUSCT2EMGPD25	-	8550

## Dual Source Energy Meter

LT - CT operated 3 phase 4 wire kWh meter of accuracy class 1.0 with Backlit LCD display for measuring & displaying active energy of 2 sources in one meter size 96 x 96 Sq.mm flush mounted



Model	Item Code		List Price (₹)
	Gurgaon	Jabli	
Dual Source with 24V DC mains/Generator selection	DUSCT2EMGA0	-	4500
with 24V DC mains/Generator selection RS 485	DUSCT2EMGA1	-	4950
Basic Version with 240V Main/Generator selection	DUSCT2EMGB0	-	4500
With 240V ac Main/Generator selection & RS 485	DUSCT2EMGB1	-	4950

## Ebrit : Digital Panel Meter

ëbrit Panel Mounted Voltmeters in 96 x 96 Sq. mm Flush mounted case



Model	Item Code		List Price (₹)
	Gurgaon	Jabli	
Single Phase, Class 1.0	PAMEBRITV11	-	1053
Single Phase, Class 0.5	PAMEBRITV12	-	1305
Three Phase, Class 1.0	PAMEBRITV31	-	1791
Three Phase, Class 0.5	PAMEBRITV32	-	2196

ëbrit Panel Mounted Ammeters in 96 x 96 Sq. mm Flush mounted case



Model	Item Code		List Price (₹)
	Gurgaon	Jabli	
Single Phase, Class 1.0	PAMEBRITA11	-	1116
Single Phase, Class 0.5	PAMEBRITA12	-	1350
Three Phase, Class 1.0	PAMEBRITA31	-	1980
Three Phase, Class 0.5	PAMEBRITA32	-	2394

ëbrit Panel Mounted Frequency meter in 96 x 96 Sq. mm Flush mounted case



Model	Item Code		List Price (₹)
	Gurgaon	Jabli	
Single Phase, Class 0.2	PAMEBRITF13	-	1116

ëbrit Panel Mounted PF meter in 96 x 96 Sq. mm Flush mounted case



Model	Item Code		List Price (₹)
	Gurgaon	Jabli	
Single Phase, Accuracy ±0.01	PAMEBRITP11	-	2250

ëbrit Panel Mounted Kilo Watt meter in 96 x 96 Sq. mm Flush mounted case



Model	Item Code		List Price (₹)
	Gurgaon	Jabli	
Single Phase, Class 1.0	PAMEBRITW11	-	2250
Single Phase, Class 0.5	PAMEBRITW12	-	2430

ëbrit Panel Mounted Power meter in 96 x 96 Sq. mm Flush mounted case with kW or kVA or kVAr Parameter site selectable



Model	Item Code		List Price (₹)
	Gurgaon	Jabli	
Three Phase, Class 1.0	PAMEBRITPM31	-	3690
Three Phase, Class 0.5	PAMEBRITPM32	-	3960

## Power Factor Controller

HPL - PFCR 140 / 120 / 80 / 60



Description	Item Code		List Price (₹)
	Gurgaon	Jabli	
6 Steps, 415 V AC, 50 Hz power supply	PFC06041550	-	8100
8 Steps, 415 V AC, 50 Hz power supply	PFC08041550	-	9000
12 Steps, 415 V AC, 50 Hz power supply	PFC12041550	-	10800
14 Steps, 415 V AC, 50 Hz power supply	PFC14041550	-	12600

## Electronic Energy Meters

Single Phase Electronic Energy Meter in Poly Carbonate or Sheet Steel Body with counter display in class 1.0, 50Hz, 240V, AC



Description	Item Code		List Price (₹)
	Gurgaon	Jabli	
Single phase ISI marked Energy Meter 2.5 A - 10 A	SPPC1110000000OC00	SPPC1110000000OCHO	954
Single phase ISI marked Energy Meter 5 A - 20 A	SPPC1210000000OC00	SPPC1210000000OCHO	954
Single phase ISI marked Energy Meter 5 A - 30 A	SPPC1310000000OC00	SPPC1310000000OCHO	1044
Single phase ISI marked Energy Meter 10 A - 40 A	SPPC1410000000OC00	SPPC1410000000OCHO	1044
Single phase ISI marked Energy Meter 10 A, - 60 A	SPPC1510000000OC00	SPPC1510000000OCHO	1044

Three Phase Electronic Energy Meter in Poly Carbonate Body with counter display in class 1.0, 50Hz, 3 x 240V, AC



Description	Item Code		List Price (₹)
	Gurgaon	Jabli	
Three phase ISI marked Energy Meter 5-20A	TPPC1210000000OC00	TPPC1210000000OCHO	2772
Three phase ISI marked Energy Meter 10-40A	TPPC1410000000OC00	TPPC1410000000OCHO	2862
Three phase ISI marked Energy Meter 10-60A	TPPC1510000000OC00	TPPC1510000000OCHO	2970
Three phase ISI marked Energy Meter -/5A with range 50/5 to 800/5 (Please check range given in catalogue) (Energy meters available only from Gurgaon)	TPPC1810000000OC00	-	2610

## Electronic Energy Meters

Single Phase Electronic Energy Meter in Poly Carbonate body with LCD type display in Class 1.0 Only kWh

Description	Item Code		List Price (₹)
	Gurgaon	Jabli	
Single phase ISI marked Energy Meter 2.5 A - 10 A	SPPL1120010000OC00	SPPL1110000000OCHO	1260
Single phase ISI marked Energy Meter 5 A - 20 A	SPPL1220010000OC00	SPPL1210000000OCHO	1260
Single phase ISI marked Energy Meter 5 A - 30 A	SPPL1320010000OC00	SPPL1310000000OCHO	1350
Single phase ISI marked Energy Meter 10 A - 40 A	SPPL1420010000OC00	SPPL1410000000OCHO	1350
Single phase ISI marked Energy Meter 10 A, - 60 A	SPPL1520010000OC00	SPPL1510000000OCHO	1350

Description	Item Code		List Price (₹)
	Gurgaon	Jabli	
Three phase ISI marked Energy Meter 5-20A	TPPL1210000000OC00	TPPL1210000000OCHO	3150
Three phase ISI marked Energy Meter 10-40A	TPPL1410000000OC00	TPPL1410000000OCHO	3240
Three phase ISI marked Energy Meter 10-60A	TPPL1510000000OC00	TPPL1510000000OCHO	3330
Three phase ISI marked Energy Meter -/5A (CT Operated)	TPPL1810000000OC00	-	3150

" \*Prices and technical details of LCD meters with specification other than the above are available on request"

## LT - CT Operated Trivector Meter

LT - CT operated Trivector Meter in Poly Carbonate Body in class 0.5 accuracy as per IS - 14697



Description	Item Code		List Price (₹)
	Gurgaon	Jabli	
-/5 A LT - CT Operated CT - 05	TLPB2823130000OCA0	-	9900

### Terms & Conditions

- List prices from Gurgaon are inclusive of Excise Duty.
- No Excise Duty gate pass will be provided for dispatches Ex- Jabli.
- For Other Terms & Conditions, refer back page.

**On Load Changeover Switches**

Conforms to IEC 947-3, EN - 60947-3 AC-23A, Front operated  
4 Pole 415V, 50Hz.



Accessories :  
Auxiliary contacts upto 2 NO-2NC on request at extra cost.

Open Execution

Sheet Steel Enclosure

Rating (Amps)	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)
63A	CDC00634PO	4374	CDC00634PE	6057
100A	CDC01004PO	5778	CDC01004PE	7722
125A	C01254PO	8712	C01254PE	11475
160A	C01604PO	9531	C01604PE	12591
200A	C02004PO	11502	C02004PE	14535
250A	C02504PO	16578	C02504PE	20214
320A	C03204PO	17505	C03204PE	21150
400A	C04004PO	25317	C04004PE	30924
630A	C06304PO	30078	C06304PE	35838
800A	C08004PO	45063	C08004PE	53181
1000A	C10004PO	73989	C10004PE	90747
1250A	C12504PO	106263	C12504PE	125478
1600A	C16004PO	146745	C16004PE	167427
2000A	C20004PO	180963	C20004PE	220734
2500A	C25004PO	241047	C25004PE	293661
3150A	C31504PO	329733	C31504PE	386406

**Load Break Switches**

Conforms to IEC 947-3 AC-23A, Front operated 4 Pole 415V, 50Hz.



Open Execution

Sheet Steel Enclosure

Rating (Amps)	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)
63A	L00634PO	2133	L00634PE	2988
125A	L01254PO	4428	L01254PE	6390
200A	L02004PO	6372	L02004PE	8118
250A	L02504PO	8280	L02504PE	10476
320A	L03204PO	8919	L03204PE	11727
400A	L04004PO	12393	L04004PE	15912
630A	L06304PO	14949	L06304PE	19008
800A	L08004PO	20313	L08004PE	25929
1000A	L10004PO	33399	L10004PE	40698
1250A	L12504PO	45657	L12504PE	56232
1600A	L16004PO	61641	L16004PE	74133
2000A	L20004PO	76536	L20004PE	91350
2500A	L25004PO	105561	L25004PE	124596
3150A	L31504PO	141588	L31504PE	168480

**Switch Fuse Changeover**

Conforms to IEC 947-3 AC-23A, Front operated 4 Pole 415V, 50Hz. Suitable for BS or Bolted type HRC fuses

Open Execution

Sheet Steel Enclosure



Rating (Amps)	Item Code	Without Fuses BS Type MRP Unit (₹)	Item Code	With Fuses BS Type MRP Unit (₹)	Item Code	Without Fuses BS Type MRP Unit (₹)	Item Code	With Fuses BS Type MRP Unit (₹)
125 A	F01254POX	11214	F01254POW	12024	F01254PEX	14319	F01254PEW	15111
200 A	F02004POX	20547	F02004POW	21339	F02004PEX	27072	F02004PEW	29403
250 A	F02504POX	20664	F02504POW	21789	F02504PEX	28656	F02504PEW	31464
320 A	F03204POX	21492	F03204POW	22653	F03204PEX	29313	F03204PEW	32139
400 A	F04004POX	30825	F04004POW	33174	F04004PEX	43236	F04004PEW	48033
630 A	F06304POX	35748	F06304POW	38358	F06304PEX	51534	F06304PEW	57159



**By Pass Switch**

Conforms to IS 13947-3 / IEC 947-3. Tested at CPRI for AC 23A duty of utilization.



Open Execution

Sheet Steel Enclosure

Rating Amps	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)
125 A	BP01254PO	13680	BP01254PE	17361
200 A	BP02004PO	17226	BP02004PE	20997
250 A	BP02504PO	24633	BP02504PE	30006
320 A	BP03204PO	25767	BP03204PE	31005
400 A	BP04004PO	39015	BP04004PE	44757
630 A	BP06304PO	44442	BP06304PE	52299
800 A	BP08004PO	61182	BP08004PE	75258
1000 A	BP10004PO	101457	BP10004PE	127260
1250 A	BP12504PO	145008	BP12504PE	171774
1600 A	BP16004PO	200322	BP16004PE	229149

**Motorised Changeover Switch**

Conforms to 13947-3 / IEC 947-3. Suitable for AMF panel / Automatic Transfer Switch



**Basic Unit**

**Digital Programmable Changeover Switch (DPCOS)**

Rating (Amps)	Item Code	MRP Unit (₹)	With Digital Programmable Controller ATyS C30		With Digital Programmable Controller ATyS C30 with Remote interface unit ATySD20	
			Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)
125 A	MC01254POW/O-0	32994	DPC01254POX	on request	DPC01254PO	On request
200 A	MC02004POW/O-0	35145	DPC02004POX	on request	DPC02004PO	on request
250 A	MC02504POW/O-0	43758	DPC02504POX	on request	DPC02504PO	on request
320 A	MC03204POW/O-0	44325	DPC03204POX	on request	DPC03204PO	on request
400 A	MC04004POW/O-0	55773	DPC04004POX	on request	DPC04004PO	on request
630 A	MC06304POW/O-0	60354	DPC06304POX	on request	DPC06304PO	on request
800 A	MC08004POW/O-0	90855	DPC08004POX	on request	DPC08004PO	on request
1000 A	MC10004POW/O-0	116811	DPC10004POX	on request	DPC10004PO	on request
1250 A	MC12504POW/O-0	143937	DPC12504POX	on request	DPC12504PO	on request
1600 A	MC16004POW/O-0	176994	DPC16004POX	on request	DPC16004PO	on request

**Automatic Transfer Switch**

ATyS M - 3s



Basic Unit

With C30

Rating (Amps)	Pole	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)
63	4P	ATS00634POX	31419	ATS00634POC30	47556
80	4P	ATS00804POX	33453	ATS00804POC30	49599
100	4P	ATS01004POX	33552	ATS01004POC30	49788
125	4P	ATS01254POX	37836	ATS01254POC30	54063
160	4P	ATS01604POX	45513	ATS01604POC30	61713

ATyS - 3s



Basic Unit

With C30

Rating (Amps)	Item Code	3P	Item Code	4P	Item Code	3P	Item Code	4P
125	ATS01253POX3S	on request	ATS01254POX3S	48627	ATS01253PO3S	on request	ATS01254PO3S	64863
160	ATS01603POX3S	on request	ATS01604POX3S	56232	ATS01603PO3S	on request	ATS01604PO3S	72450
250	ATS02503POX3S	on request	ATS02504POX3S	70317	ATS02503PO3S	on request	ATS02504PO3S	86454
400	ATS04003POX3S	on request	ATS04004POX3S	86454	ATS04003PO3S	on request	ATS04004PO3S	102690
630	ATS06303POX3S	on request	ATS06304POX3S	113490	ATS06303PO3S	on request	ATS06304PO3S	129726
800	ATS08003POX3S	on request	ATS08004POX3S	160452	ATS08003PO3S	on request	ATS08004PO3S	176688
1000	ATS10003POX3S	on request	ATS10004POX3S	169398	ATS10003PO3S	on request	ATS10004PO3S	185598
1250	ATS12503POX3S	on request	ATS12504POX3S	200574	ATS12503PO3S	on request	ATS12504PO3S	216783
1600	ATS16003POX3S	on request	ATS16004POX3S	263034	ATS16003PO3S	on request	ATS16004PO3S	279243

**Automatic Transfer Switch**

ATyS - 3e

Rating (Amps)	Item Code	3P	Item Code	4P	Item Code	3P	Item Code	4P
2000	ATYS-3E20003P	on request	ATYS-3E20004P	<b>331110</b>	ATYS-3E20003P+C30	on request	ATYS-3E20004P+C30	<b>347319</b>
2500	ATYS-3E25003P	on request	ATYS-3E25004P	<b>365967</b>	ATYS-3E25003P+C30	on request	ATYS-3E25004P+C30	<b>382167</b>
3200	ATYS-3E32003P	on request	ATYS-3E32004P	<b>470511</b>	ATYS-3E32003P+C30	on request	ATYS-3E32004P+C30	<b>486738</b>

Note - ATyS M 6S, ATyS M 6E, ATyS 6E - Prices on request

**SIRCO M & MV**



Rating (Amps)	3 Pole Item Code	MRP Unit (₹)	4 Pole Item Code	MRP Unit (₹)
16	SMMV00163PO	<b>711</b>	SMMV00164PO	<b>1044</b>
20	SMMV00203PO	<b>783</b>	SMMV00204PO	<b>1143</b>
25	SMMV00253PO	<b>864</b>	SMMV00254PO	<b>1242</b>
32	SMMV00323PO	<b>945</b>	SMMV00324PO	<b>1260</b>
40	SMMV00403PO	<b>1008</b>	SMMV00404PO	<b>1440</b>
63	SMMV00633PO	<b>1449</b>	SMMV00634PO	<b>1629</b>
80	SMMV00803PO	<b>1782</b>	SMMV00804PO	<b>2412</b>
100	SMMV01003PO	<b>3474</b>	SMMV01004PO	<b>4095</b>
125	SMMV01253PO	<b>4464</b>	SMMV01254PO	<b>5076</b>

1) All models are provided with a direct handle.      2) 4 Poles models are provided as a 3 poles + an additional pole.

**Earth Leakage relays**



Resys M20

Sensitivity	Time Delay	Aux Supply	Reference	Item Code	MRP Unit (₹)
30 mA	0 s	115/230 Vac	4941 4723G	ELRM200030MA0S	<b>8748</b>
300 mA	0 s	115/230 Vac	4941 5723G	ELRM200300MA0S	<b>8748</b>
300 mA	60 ms	115/230 Vac	4941 6723G	ELRM200300MA60MS	<b>8748</b>



Resys M40

Sensitivity	Time Delay	Aux Supply	Reference	Item Code	MRP Unit (₹)
30 mA	0 s	115/230 Vac	4941 2723G	ELRM400030MA0S	<b>10395</b>
300 mA	0 s	400 Vac	4941 2740G	ELRM400300MA0S	<b>10395</b>
300 mA	60 ms	12... 125 Vdc	4941 2602G	ELRM400300MA60MS	<b>10395</b>



Resys P40

Sensitivity	Time Delay	Aux Supply	Reference	Item Code	MRP Unit (₹)
30 mA	0 s	115 Vac	4942 2711G	ELRP400030MA0S	<b>14553</b>
300 mA	0 s	230 Vac	4942 2723G	ELRP400300MA0S	<b>14553</b>
300 mA	60 ms	2... 125 Vdc	4942 2602G	ELRP400300MA60MS	<b>14553</b>



Resys Toroid W series

Type	Diameter	Reference	Item Code	MRP Unit (₹)
WO-S15	15 MM	4793 2001G	ELRWO-S15	<b>5760</b>
W1-S35	35 MM	4793 2003G	ELRWO-S35	<b>7101</b>
W2-S70	70 MM	4793 2007G	ELRWO-S70	<b>8028</b>
W3-S105	105 MM	4793 2010G	ELRWO-S105	<b>15597</b>
W4-S140	140 MM	4793 2014G	ELRWO-S140	<b>24543</b>
W5-S210	210 MM	4793 2020G	ELRWO-S210	<b>38898</b>

**Switch Disconnecter Fuse**

Open Execution (QSA - Series)

Conforms to IS - 13947 - Part I & III / IEC - 947 Part I & III, AC - 23A, 415V, 50 Hz

Suitable for HRC fuse Ref : IS 13703

without HRC Fuses (DIN/BS type)



Rating Amps	Size DIN	Type BS	Rating	TPN Item Code	MRP Unit (₹)	FP Item Code	MRP Unit (₹)
32 A	00	LK TSA	32	FS032A-TPN DIN/BS	1476	FS032A- DIN/BS	2025
63 A	00	LK TSS	63	FS063A-TPN DIN/BS	2088	FS063A- DIN/BS	2448
125 A	00	LK TFS	125	FS125A-TPN DIN/BS	5049	FS125A- DIN/BS	6345
160 A	1	LK TFS	160	FS160A-TPN DIN/BS	5967	FS160A- DIN/BS	7200
200 A	1	LK TFS	200	FS200A-TPN DIN/BS	6885	FS200A- DIN/BS	8244
250 A	1-2	LK TSK	250	FS250A-TPN DIN/BS	8388	FS250A- DIN/BS	9792
315 A	2	LK TSK	315	FS315A-TPN DIN/BS	10656	FS315A- DIN/BS	12798
400 A	2	LK TSMS	315-400	FS400A-TPN DIN/BS	12816	FS400A- DIN/BS	14994
630 A	3	LK TTM	425-630	FS630A-TPN DIN/BS	22302	FS630A- DIN/BS	23796
800 A	-	-	750-800	FS800A-TPN DIN/BS	26316	FS800A- DIN/BS	28332

Note : While ordering, please mention DIN / BS whichever type is required.

Fitted with 3Nos. HRC Fuses (DIN Type)



Rating Amps	Size DIN	Rating	TPN Item Code	MRP Unit (₹)	FP Item Code	MRP Unit (₹)
32 A	00	32	FS032A-TPNFDIN	2214	FS032A-FDIN	2925
63 A	00	63	FS063A-TPNFDIN	2952	FS063A-FDIN	3483
125 A	00	125	FS125A-TPNFDIN	6003	FS125A-FDIN	7173
160 A	1	160	FS160A-TPNFDIN	7182	FS160A-FDIN	8928
200 A	1	200	FS200A-TPNFDIN	8748	FS200A-FDIN	10368
250 A	1-2	250	FS250A-TPNFDIN	10134	FS250A-FDIN	11547
315 A	2	315	FS315A-TPNFDIN	12852	FS315A-FDIN	14436
400 A	2	315-400	FS400A-TPNFDIN	15318	FS400A-FDIN	16479
630 A	3	425-630	FS630A-TPNFDIN	25533	FS630A-FDIN	27405
800 A	-	750-800	FS800A-TPNFDIN	-----	FS800A-FDIN	-----

Fitted with 3Nos. HRC Fuses (BS Type)



Rating Amps	Type BS	Rating	TPN Item Code	MRP Unit (₹)	FP Item Code	MRP Unit (₹)
32 A	LK TSA	32	FS032A-TPN FBS	1710	FS032A- FBS	2268
63 A	LK TSS	63	FS063A-TPN FBS	2331	FS063A- FBS	2790
125 A	LK TFS	125	FS125A-TPN FBS	5652	FS125A- FBS	6867
160 A	LK TFS	160	FS160A-TPN FBS	6768	FS160A- FBS	8361
200 A	LK TFS	200	FS200A-TPN FBS	8118	FS200A- FBS	9603
250 A	LK TSK	250	FS250A-TPN FBS	8955	FS250A- FBS	10701
315 A	LK TSK	315	FS315A-TPN FBS	11889	FS315A- FBS	13716
400 A	LK TSMS	315-400	FS400A-TPN FBS	15246	FS400A- FBS	16911
630 A	LK TTM	425-630	FS630A-TPN FBS	26937	FS630A- FBS	29646
800 A	-----	750-800	FS800A-TPN FBS	-----	FS800A- FBS	-----

**Sheet Steel Enclosure**

Suitable for HRC fuse Ref : IS 13703

without HRC Fuses (DIN / BS type)

Rating Amps	Size DIN	Type BS	Rating	TPN Item Code	MRP Unit (₹)	FP Item Code	MRP Unit (₹)
32 A	00	LKTSA	32	FS032A-TPN DIN/BS E	2817	FS030A- DIN/BS E	3213
63 A	00	LKTSS	63	FS063A-TPN DIN/BS E	3573	FS063A- DIN/BS E	3843
125 A	00	LKTSA	125	FS125A-TPN DIN/BS E	6921	FS125A- DIN/BS E	7983
160 A	1	LKTSA	160	FS160A-TPN DIN/BS E	8001	FS160A- DIN/BS E	9099
200 A	1	LKTSA	200	FS200A-TPN DIN/BS E	9603	FS200A- DIN/BS E	12006
250 A	1-2	LKTSA	250	FS250A-TPN DIN/BS E	10818	FS250A- DIN/BS E	12780
315 A	2	LKTSA	315	FS315A-TPN DIN/BS E	13383	FS315A- DIN/BS E	15840
400 A	2	LKTSA	315-400	FS400A-TPN DIN/BS E	15651	FS400A- DIN/BS E	17685
630 A	3	LKTSA	425-630	FS630A-TPN DIN/BS E	26532	FS630A- DIN/BS E	28485
800 A	3	-----	750-800	FS800A-TPN DIN/BS E	30474	FS800A- DIN/BS E	31869



Note : While ordering, please mention DIN / BS whichever type is required.

Suitable for HRC fuse Ref : IS 13703

Fitted with 3Nos. HRC Fuses (DIN Type)

Rating Amps	Size DIN	Rating	TPN Item Code	MRP Unit (₹)	FP Item Code	MRP Unit (₹)
32 A	00	32	FS032A-TPNFDINE	3537	FS032A-FDINE	4005
63 A	00	63	FS063A-TPNFDINE	4284	FS063A-FDINE	4581
125 A	00	125	FS125A-TPNFDINE	8028	FS125A-FDINE	8550
160 A	1	160	FS160A-TPNFDINE	9216	FS160A-FDINE	10890
200 A	1	200	FS200A-TPNFDINE	11430	FS200A-FDINE	13221
250 A	1-2	250	FS250A-TPNFDINE	12609	FS250A-FDINE	14193
315 A	2	315	FS315A-TPNFDINE	15291	FS315A-FDINE	17433
400 A	2	315-400	FS400A-TPNFDINE	17073	FS400A-FDINE	19350
630 A	3	425-630	FS630A-TPNFDINE	28863	FS630A-FDINE	32652
800 A	3	750-800	FS800A-TPNFDINE		FS800A-FDINE	

Suitable for HRC fuse Ref : IS 13703

Fitted with 3Nos. HRC Fuses (BS Type)

Rating Amps	Type BS	Rating	TPN Item Code	MRP Unit (₹)	FP Item Code	MRP Unit (₹)
32 A	LKTSA	32	FS032A-TPN FBSE	2889	FS032A- FBSE	3465
63 A	LKTSS	63	FS063A-TPN FBSE	3708	FS063A- FBSE	4203
125 A	LKTSA	125	FS125A-TPN FBSE	7632	FS125A- FBSE	8280
160 A	LKTSA	160	FS160A-TPN FBSE	9054	FS160A- FBSE	10269
200 A	LKTSA	200	FS200A-TPN FBSE	10548	FS200A- FBSE	12456
250 A	LKTSA	250	FS250A-TPN FBSE	11601	FS250A- FBSE	13401
315 A	LKTSA	315	FS315A-TPN FBSE	15165	FS315A- FBSE	17829
400 A	LKTSA	315-400	FS400A-TPN FBSE	18369	FS400A- FBSE	19287
630 A	LKTSA	425-630	FS630A-TPN FBSE	30501	FS630A- FBSE	34407
800 A	-----	750-800	FS800A-TPN FBSE		FS800A- FBSE	



**Load Break Switch (Isolators)**

QA SERIES



Rating Amps	Item Code	Open Execution			Sheet Steel Enclosure			
		TPN	FP	MRP Unit (₹)	TPN	FP	MRP Unit (₹)	MRP Unit (₹)
32 A	LBLKTPNOP0032	1350	LBLKFPOP0032	2178	LBLKTPNSE0032	2934	LBLKFPSE0032	3501
63 A	LBLKTPNOP0063	1683	LBLKFPOP0063	2412	LBLKTPNSE0063	3276	LBLKFPSE0063	3852
125 A	LBLKTPNOP0125	4194	LBLKFPOP0125	5067	LBLKTPNSE0125	5697	LBLKFPSE0125	6750
160 A	LBLKTPNOP0160	4734	LBLKFPOP0160	5508	LBLKTPNSE0160	6480	LBLKFPSE0160	7389
200 A	LBLKTPNOP0200	6183	LBLKFPOP0200	7794	LBLKTPNSE0200	8064	LBLKFPSE0200	9270
250 A	LBLKTPNOP0250	6984	LBLKFPOP0250	8253	LBLKTPNSE0250	8937	LBLKFPSE0250	10080
315 A	LBLKTPNOP0315	9054	LBLKFPOP0315	10305	LBLKTPNSE0315	11115	LBLKFPSE0315	12600
400 A	LBLKTPNOP0400	12600	LBLKFPOP0400	13293	LBLKTPNSE0400	14328	LBLKFPSE0400	16047
630 A	LBLKTPNOP0630	17280	LBLKFPOP0630	17838	LBLKTPNSE0630	20907	LBLKFPSE0630	22599
800 A	LBLKTPNOP0800	20043	LBLKFPOP0800	21186	LBLKTPNSE0800	23373	LBLKFPSE0800	25686
1000 A	LBLKTPNOP1000	23832	LBLKFPOP1000	29079	LBLKTPNSE1000		-----	

QP / N2 SERIES - Open Execution

Rating Amps	Utilisation Duty	TPN		FP	
		Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)
1250A	AC 23	LBLKTPNOP1250	32985	LBLKFPOP1250	43704
1600A	AC 23	LBLKTPNOP1600	40203	LBLKFPOP1600	54630
2000A	AC 22	LBLKTPNOP2000	58590	LBLKFPOP2000	72252
2500A	AC 22	LBLKTPNOP2500	86445	LBLKFPOP2500	100161
3150A	AC 22	LBLKTPNOP3150	108045	LBLKFPOP3150	123687

**HRC Fuse Link**

BOLTED TYPE (Conforms to IS-13703)



Product Code	Rating Amps	TAG Type	Item Code	MRP Unit (₹)	Std Packing (Nos.)
LKNS	2A, 4A, 6A, 10A, 16A	Offset	FULKBNS002-016	45	20
LKNS	20A, 25A, 32A	Offset	FULKBNS020-032	45	20
LKTSA	6A, 10A, 16A, 20A, 25A, 32A	Offset Tags 2 Hole Fixing	FULKBSTA006-032	72	10
LKTSS	35A, 50A, 63A	Offset Tags 2 Hole Fixing	FULKBSTSS035-063	90	10
LKTCP	80A, 100A, 125A	Offset Tags 2 Hole Fixing	FULKBSTCP080-125	189	10
LKTSDC	80A, 100A	Central Tags 2 Hole Fixing	FULKBSTSDC080-100	189	10
LKTSDC	80A, 100A	Offset Tags 2 Hole Fixing	FULKBSTSD080-100	189	10
LKTSDC	125A, 160A	Central Tags 2 Hole Fixing	FULKBSTSDC0125-160	243	3
LKTSDC	125A, 160A	Offset Tags 2 Hole Fixing	FULKBSTSD0125-160	243	3
LKTSFP	125A, 160A, 200A	Offset Tags 2 Hole Fixing	FULKBSTSF0125-200	261	3
LKTSF	125A, 160A, 200A	Central Tags 2 Hole Fixing	FULKBSTSF125-200	252	3
LKTSK	250A, 300A, 315A	Central Tags 2 Hole Fixing	FULKBSTSK250-315	378	3
LKTSMS	355A, 400A	Central Tags 2 Hole Fixing	FULKBSTSMS355-400	756	1
LKTTS	400A, 450A, 500A, 630A	Central Tags 2 Hole Fixing	FULKBSTTS400-630	864	1
LKTTM	400A, 450A, 500A,	Central Tags 4 Hole Fixing	FULKBSTTM400-500	1125	1
LKTTM	630A	Central Tags 4 Hole Fixing	FULKBSTTM630	1503	1

Note : While ordering, please mention rating, whichever is required by you.

**HRC Fuse Link, Holders & Bases**

DIN TYPE (Conforms to IS-13703)



Product Code	Size	Rating Amps	Item Code	MRP Unit (₹)	Std Packing (Nos.)
LKDN	000	6, 10, 16, 20, 25, 32	FULKDN000-(006-032A)	198	6
LKDN	000	50, 63, 80, 100A	FULKDN000-(050-100A)	207	6
LKDN	-00-	6, 10, 16, 20, 25, 32, 50, 63A	FULKDN00-(006-063A)	243	6
LKDN	-00-	80, 100A	FULKDN00-(080-100A)	243	6
LKDN	-00-	125A	FULKDN00 - 125A	306	6
LKDN	-00-	160A	FULKDN00 - 160A	324	6
LKDN	-I-	32, 63, 80, 100A,	FULKDN01-(032-100A)	477	3
LKDN	-I-	125, 160, 200A	FULKDN01-(125-200A)	504	3
LKDN	-I-	250A	FULKDN01-250A	567	3
LKDN	-II-	200, 250, 315A	FULKDNII-(200-315A)	738	3
LKDN	-II-	400A	FULKDNII-400A	765	3
LKDN	-III-	315, 425A	FULKDNIII-(315-425A)	945	3
LKDN	-III-	500, 630A	FULKDNIII-(500-630A)	1161	3

Note : While ordering, please mention rating, whichever is required by you.

**Fuse Holders for British Pattern Fuse Links**

HRC Fuse Holders are tested for 80 kA at 415 V, 50 Hz as per IS : 13703 (Pt 2/Sec I) & IEC 269 (Pt I & II)



Rating Amps	Front Connection Item Code	MRP Unit (₹)	Busbar Connection Item Code	Rear Connection Item Code	MRP Unit (₹)	Std Packing (Nos.)
20	HPFCM20	108	HPBCM20	HPRCM20	108	10
32	HPFCM32	180	HPBCM32	-----	189	10
63	HPFCM63	234	HPBCM63	-----	252	10
125	HPFCM125	549	HPBCM125	-----	576	10

**Fuse Bases for DIN Type Fuse Links - Type HFB**

HRC Fuse Bases are tested for 80 kA at 415 V, 50 Hz as per IS : 13703 (Pt 2/Sec I) & IEC 269 (Pt I & II)



IEC Size Ref. No.	Rating Amps	DMC Moulded Item Code	MRP Unit (₹)	Sheet Metal Plate Item Code	MRP Unit (₹)	Standard Packing (No.)
00	160	HFBO160CD	306	-----	-----	10
01	250	HFBO1250CD	576	HFBO1250SM	522	5
02	400	HFBO2400CD	855	HFBO2400SM	1035	5
03	630	HFBO3630CD	1134	HFBO3630SM	1035	5

**Power Contactor 3P-AC & DC Control**



AC 3(A)	AC 1(A)	Frame	Type	Aux. Contacts		Cat No.	MRP Unit (₹)	
				NO	NC		AC Coil	DC Coil
6	25	18AF	IC-6a	1	0	IC006AN3P**10	702	900
9	25	18AF	IC-9a	1	0	IC009AN3P**10	792	1089
12	25	18AF	IC-12a	1	0	IC012AN3P**10	900	1188
18	32	18AF	IC-18a	1	0	IC018AN3P**10	981	1386
6	25	18AF	IC-6a	0	1	IC006AN3P**01	702	900
9	25	18AF	IC-9a	0	1	IC009AN3P**01	792	1089
12	25	18AF	IC-12a	0	1	IC012AN3P**01	900	1188
18	32	18AF	IC-18a	0	1	IC018AN3P**01	981	1386
9	25	22AF	IC-9b	1	1	IC009BN3P**11	864	1188
12	25	22AF	IC-12b	1	1	IC012BN3P**11	981	1260
18	32	22AF	IC-18b	1	1	IC018BN3P**11	1062	1467
22	40	22AF	IC-22b	1	1	IC022BN3P**11	1215	1980
32	50	40AF	IC-32a	1	1	IC032AN3P**11	2853	4167
40	60	40AF	IC-40a	1	1	IC040AN3P**11	4068	5148
50	70	65AF	IC-50a	2	2	IC050AN3P**22	5265	7407
65	100	65AF	IC-65a	2	2	IC065AN3P**22	6948	7722
75	110	100AF	IC-75a	2	2	IC075AN3P**22	8145	9882
85	135	100AF	IC-85a	2	2	IC085AN3P**22	8802	12033
105	160	100AF	IC-100a	2	2	IC100AN3P**22	11331	12870
130	160	150AF	IC-130a	2	2	IC130AN3P**22	13383	17397
150	210	150AF	IC-150a	2	2	IC150AN3P**22	17064	18522
185	230	225AF	IC-185a	2	2	IC185AN3P**22	23058	23058
225	275	225AF	IC-225a	2	2	IC225AN3P**22	26154	26154
265	300	400AF	IC-265a	2	2	IC265AN3P**22	29430	29430
330	350	400AF	IC-330a	2	2	IC330AN3P**22	34263	34263
400	450	400AF	IC-400a	2	2	IC400AN3P**22	43227	43227
500	580	800AF	IC-500a	2	2	IC500AN3P**22	55872	55872
630	660	800AF	IC-630a	2	2	IC630AN3P**22	85419	85419
800	900	800AF	IC-800a	2	2	IC800AN3P**22	122463	122463

**Power Contactor 4P-AC & DC Control**



AC 1(A)	Frame	Type	Aux. Contacts		Cat No.	MRP Unit (₹)	
			NO	NC		AC Coil	DC Coil
25	18AF	IC-12a/4	0	0	IC012AN4P**00	1188	1809
40	22AF	IC-22a/4	0	0	IC022AN4P**00	1854	3213
50	40AF	IC-32a/4	0	0	IC032AN4P**00	2376	4644
60	40AF	IC-40a/4	0	0	IC040AN4P**00	4329	5355
80	85AF	IC-50a/4	0	0	IC050AN4P**00	6381	9261
100	85AF	IC-65a/4	0	0	IC065AN4P**00	6876	9981
110	85AF	IC-75a/4	0	0	IC075AN4P**00	7002	11835
135	85AF	IC-85a/4	0	0	IC085AN4P**00	10188	13383
160	225AF	IC-100a/4	2	2	IC100AN4P**22	14715	14715
165	225AF	IC-130a/4	2	2	IC130AN4P**22	15237	15237
250	225AF	IC-150a/4	2	2	IC150AN4P**22	20169	20169
300	225AF	IC-185a/4	2	2	IC185AN4P**22	29952	29952
330	225AF	IC-225a/4	2	2	IC225AN4P**22	33552	33552
360	400AF	IC-265a/4	2	2	IC265AN4P**22	36369	36369
420	400AF	IC-330a/4	2	2	IC330AN4P**22	45594	45594
500	400AF	IC-400a/4	2	2	IC400AN4P**22	51147	51147
630	800AF	IC-500a/4	2	2	IC500AN4P**22	68427	68427
750	800AF	IC-630a/4	2	2	IC630AN4P**22	77184	75006
900	800AF	IC-800a/4	2	2	IC800AN4P**22	101871	101871

Note: Please replace \*\* with Coil Voltage Codes given on page 13.

Contact information : [hpl@hplindia.com](mailto:hpl@hplindia.com)  
Visit us at : [www.hplindia.com](http://www.hplindia.com)

**Control Contactor - AC & DC Control**



AC-15(A)	Ith (A)	Type	Aux. Contacts		Cat No.	MRP Unit (₹)	
			NO	NC		AC Coil	DC Coil
6	16	IR	4	0	IR 40**	837	1260
			3	1	IR 31**	837	1260
			2	2	IR 22**	837	1260
			1	3	IR 13**	837	1260
			0	4	IR 04**	837	1260

**Capacitor Duty Contactor (3P-AC Control)**



Cap. Rating at 415V Kvar	Aux. Contacts		Cat No.	MRP Unit (₹)
	NO	NC		AC Coil
9.7	1	1	IC097CC3P**11	1917
12.5	1	1	IC125CC3P**11	1980
16.7	1	1	IC167CC3P**11	2637
18	1	1	IC180CC3P**11	2889
25	1	1	IC250CC3P**11	3402
33.3	1	1	IC333CC3P**11	6489
40	2	2	IC400CC3P**22	9720
45.7	2	2	IC457CC3P**22	9981
54	2	2	IC540CC3P**22	11115
60	2	2	IC600CC3P**22	11835
62	2	2	IC620CC3P**22	14931

**Spare Coil-3P Contactor**



Frame	Cat No.	MRP Unit (₹)	
		AC Coil	DC Coil
18AF	IXC22AF**	432	720
22AF	IXC22AF**	432	720
40AF	IXC40AF**	468	792
65AF	IXC65AF**	1206	POR
100AF	IXC100AF**	1539	POR
150AF	IXC150AF**	1575	POR
225AF	IXC225AF**	3150	POR
400AF	IXC400AF**	3609	POR
800AF	IXC800AF**	14157	POR

POR - Price on Request

**Coil Voltage**

Cat No.				Frame	Coil AC(50/60Hz)	Coil DC	Coil AC/DC Common
Voltage	AC(50/60Hz)	DC	Coil AC/DC Common				
24	A1	D1	K1	18AF to 100AF	24,48,110, 220, 415	24,48, 110,220	N.A.
48	A2	D2	K2				
100/110	A3 <sup>+</sup>	D3	K3	150AF	24, 48, 110 220, 400/415	110,220	N.A.
200/220	A4 <sup>+</sup>	D4	K4				
400/415	A6 <sup>+</sup>			225AF	400/415	N.A.	24,48,100-240/100-220
100-240/			KX	400AF	400/415	N.A.	100-240/100-220
100-220				800AF	400/415	N.A.	100/110, 200/220

+ Standard Stockable Coils.

Note: For other coil voltages, please consult your nearest sales office.

Note : The Prices of Safety covers (IAP-9 & IAP-185) are available on request.

Note: Please replace \*\* with Coil Voltage Codes given on page 13.

Contact information : hpl@hplindia.com  
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**Thermal Overload Relays**

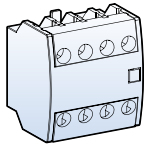
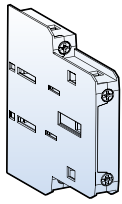
Current Range(A)	Nominal Current	Frame	Type	Aux. Contacts		Cat. No.	MRP Unit (₹)
				NO	NC		
0.1~0.16	0.14	18AF	IT-12	1	1	IT12/3K0.14	1206
0.16~0.25	0.21	18AF	IT-12	1	1	IT12/3K0.21	1206
0.25~0.4	0.33	18AF	IT-12	1	1	IT12/3K0.33	1206
0.4~0.63	0.52	18AF	IT-12	1	1	IT12/3K0.52	1206
0.63~1	0.82	18AF	IT-12	1	1	IT12/3K0.82	1206
1~1.6	1.3	18AF	IT-12	1	1	IT12/3K 1.3	1206
1.6~2.5	2.1	18AF	IT-12	1	1	IT12/3K 2.1	1206
2.5~4	3.3	18AF	IT-12	1	1	IT12/3K 3.3	1206
4~6	5	18AF	IT-12	1	1	IT12/3K 5	1206
5~8	6.5	18AF	IT-12	1	1	IT12/3K 6.5	1206
6~9	7.5	18AF	IT-12	1	1	IT12/3K 7.5	1206
7~10	8.5	18AF	IT-12	1	1	IT12/3K 8.5	1206
9~13	11	18AF	IT-12	1	1	IT12/3K 11	1206
12~18	15	18AF	IT-12	1	1	IT12/3K 15	1206
0.1~0.16	0.14	22AF	IT-32	1	1	IT32/3K0.14	1206
0.16~0.25	0.21	22AF	IT-32	1	1	IT32/3K0.21	1206
0.25~0.4	0.33	22AF	IT-32	1	1	IT32/3K0.33	1206
0.4~0.63	0.52	22AF	IT-32	1	1	IT32/3K0.52	1206
0.63~1	0.82	22AF	IT-32	1	1	IT32/3K0.82	1206
1~1.6	1.3	22AF	IT-32	1	1	IT32/3K 1.3	1206
1.6~2.5	2.1	22AF	IT-32	1	1	IT32/3K 2.1	1206
2.5~4	3.3	22AF	IT-32	1	1	IT32/3K 3.3	1206
4~6	5	22AF	IT-32	1	1	IT32/3K 5	1206
5~8	6.5	22AF	IT-32	1	1	IT32/3K 6.5	1206
6~9	7.5	22AF	IT-32	1	1	IT32/3K 7.5	1206
7~10	8.5	22AF	IT-32	1	1	IT32/3K 8.5	1206
9~13	11	22AF	IT-32	1	1	IT32/3K 11	1206
12~18	15	22AF	IT-32	1	1	IT32/3K 15	1206
16~22	19	22AF	IT-32	1	1	IT32/3K 19	1296
18~25	21.5	40AF	IT-32	1	1	IT32/3K 21.5	1296
22~32	27	40AF	IT-32	1	1	IT32/3K 27	1584
28~40	34	40AF	IT-32	1	1	IT32/3K 34	1584
24~36	30	65AF	IT-63	1	1	IT63/3K 30	2223
28~40	34	65AF	IT-63	1	1	IT63/3K 34	2223
34~50	42	65AF	IT-63	1	1	IT63/3K 42	2223
45~65	54	65AF	IT-63	1	1	IT63/3K 54	2223
34~50	42	100AF	IT-95	1	1	IT95/3K 42	3339
45~65	54	100AF	IT-95	1	1	IT95/3K 54	3339
54~75	65	100AF	IT-95	1	1	IT95/3K 65	3339
63~85	74	100AF	IT-95	1	1	IT95/3K 74	3339
70~95	83	100AF	IT-95	1	1	IT95/3K 83	3339
80~100	90	100AF	IT-95	1	1	IT95/3K 90	3339
80~105	93	150AF	IT-150	1	1	IT150/3K 93	5661
95~130	113	150AF	IT-150	1	1	IT150/3K 113	5661
110~150	130	150AF	IT-150	1	1	IT150/3K 130	5661
100~160	130	225AF	IT-225	1	1	IT225/3K 130	6381
120~185	153	225AF	IT-225	1	1	IT225/3K 153	6381
160~240	200	225AF	IT-225	1	1	IT225/3K 200	6381
160~240	200	400AF	IT-400	1	1	IT400/3K 200	7236
200~330	265	400AF	IT-400	1	1	IT400/3K 265	7236
260~400	350	400AF	IT-400	1	1	IT400/3K 350	7236
200~300	265	800AF	IT-800	1	1	IT800/3K 265	8100
260~400	350	800AF	IT-800	1	1	IT800/3K 350	8100
400~600	515	800AF	IT-800	1	1	IT800/3K 515	8100
520~800	660	800AF	IT-800	1	1	IT800/3K 660	8100



Note : Class 20 Over Load Relays are also available on request.

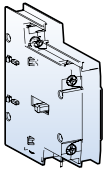
Contact information : [hpl@hplindia.com](mailto:hpl@hplindia.com)  
Visit us at : [www.hplindia.com](http://www.hplindia.com)

**Add on Aux. Contacts**



Mounting	No. of Poles	Frame	Aux. Contacts		Cat No.	MRP Unit (₹)
			NO	NC		
Side	2	18AF~150AF(3P), 18AF(4P)	1	1	IUA1-11	333
Side	2	22AF~85AF(4P)	1	1	IAU-11	333
Top	2	18AF~150AF(3P, 4P)	2	0	IUA2-20	225
Top	2	18AF~150AF(3P, 4P)	1	1	IUA2-11	225
Top	2	18AF~150AF(3P, 4P)	0	2	IUA2-02	225
Top	4	18AF~150AF(3P, 4P)	4	0	IUA4-40	333
Top	4	18AF~150AF(3P, 4P)	3	1	IUA4-31	333
Top	4	18AF~150AF(3P, 4P)	2	2	IUA4-22	333
Top	4	18AF~150AF(3P, 4P)	1	3	IUA4-13	333
Top	4	18AF~150AF(3P, 4P)	0	4	IUA4-04	333
Side	2	225AF~800AF(3P, 4P)	1	1	IAU-100	387
Extd. Side	2	225AF~800AF(3P, 4P)	1	1	IAU-100E	405

**Mechanical Interlock Unit - 3 & 4 Pole Contactor**



Mounting	Frame	Aux. Contacts		Cat No.	MRP Unit (₹)
		NO	NC		
Horizontal	18AF~150AF(3P), 18AF(4P)	0	2	IUR-02	333
Horizontal	22AF~85AF(4P)	0	0	IAR-9	567
Horizontal	225AF~400AF(3P,4P)	0	0	IAR-180	2007
Horizontal	800AF(3P,4P)	0	0	IAR-600	21105

**Surge Suppressor**



Type	Frame	Cat No.	MRP Unit (₹)
Varistor+RC(24~48V AC)	18AF~150AF	IUS-1	333
Varistor+RC(100~125V AC)	18AF~150AF	IUS-2	333
Varistor+RC(200~240V AC)	18AF~150AF	IUS-3	333
Varistor+RC(24~48V DC)	18AF~150AF	IUS-4	333
Varistor+RC(100~125V DC)	18AF~150AF	IUS-5	333
Varistor+RC(200~240V DC)	18AF~150AF	IUS-6	333
Varistor(24~48V AC/DC)	18AF~150AF	IUS-11	333
Varistor(100~125V AC/DC)	18AF~150AF	IUS-12	333
Varistor(200~240V AC/DC)	18AF~150AF	IUS-13	333
Varistor(380~440V AC/DC)	18AF~150AF	IUS-14	333
RC(100~125VAC)	18AF~150AF	IUS-22	333

**Electronic Timer**



Mounting	Frame	Cat No.	MRP Unit (₹)
Top (On - delay)*	18AF~150AF	IUT-2N	1377
Top (Off - delay)*	18AF~150AF	IUT-2F	1377

\*1~30 Sec, 110-220 V AC

**Accessories for Thermal OLR**



Accessories	Range	Frame	Type	Cat No.	MRP Unit (₹)
Separate Mounting Kit	0.1~40A	IT-32	Screw Mounting	IUZ-32	171
Separate Mounting Kit	24~65A	IT-63	Screw Mounting	IUZ-63	270
Separate Mounting Kit	34~100A	IT-95	Screw Mounting	IUZ-95	333
Separate Mounting Kit	80~150A	IT-150	Screw Mounting	IUZ-150	522
Remote Reset Unit	0.1~100A	IT-32~IT95	400 mm long	IUM-4R	630

**Air Circuit Breaker**

**intelliPROTECT**  
intelligent protection RANGE

**Salient Features**

- Range : 630A – 6300A
- Icu 50kA to 120kA at500Vac
- Ics = 100% Icu throughout the range
- Operational voltage upto 690V & even above - on request
- Ics & Icu at higher voltages - also available
- Icw : 50kA to 100kA (for 1 sec)
- Icw ratings for 2 sec & 3 sec – also available
- Customer oriented Trip Relay - with advanced measurement functions & communication functions
- Tested & certified as per IEC 60947-1, IEC-60947-2
- Suitable for Aluminum & Copper termination, Conversion of Terminal orientation at site
- Uniform height & depth across the range, very compact
- Wide range of front & easily fittable common accessories



**IPBN with N type & A type release**

**3 Pole**

**4 Pole**

Rating	kA	Draw Out	Relay	Basic Code	M.R.P. (₹)	Basic Code	M.R.P. (₹)
630A	50kA	MDO	N-Type	BN063CM0D0D0NG0	123183	BN064CM0D0D0NG0	161856
			A-Type	-	on request	-	on request
		EDO	N-Type	BN063DM2D2D2NG0	159678	BN064DM2D2D2NG0	198252
			A-Type	-	on request	-	on request
800A		MDO	N-Type	BN083CM0D0D0NG0	123876	BN084CM0D0D0NG0	162396
			A-Type	BN083CM0D0D0AG0	132111	BN084CM0D0D0AG0	170622
		EDO	N-Type	BN083DM2D2D2NG0	160191	BN084DM2D2D2NG0	198855
			A-Type	BN083DM2D2D2AG0	168426	BN084DM2D2D2AG0	207090
1000A	MDO	N-Type	BN103CM0D0D0NG0	131247	BN104CM0D0D0NG0	168759	
		A-Type	BN103CM0D0D0AG0	139482	BN104CM0D0D0AG0	176985	
	EDO	N-Type	BN103DM2D2D2NG0	166689	BN104DM2D2D2NG0	207117	
		A-Type	BN103DM2D2D2AG0	174924	BN104DM2D2D2AG0	215343	
1250A	MDO	N-Type	BN123CM0D0D0NG0	160938	BN124CM0D0D0NG0	195669	
		A-Type	BN123CM0D0D0AG0	169173	BN124CM0D0D0AG0	203895	
	EDO	N-Type	BN123DM2D2D2NG0	194472	BN124DM2D2D2NG0	231786	
		A-Type	BN123DM2D2D2AG0	202707	BN124DM2D2D2AG0	240021	
1600A	MDO	N-Type	BN163CM0D0D0NG0	175275	BN164CM0D0D0NG0	209034	
		A-Type	BN163CM0D0D0AG0	183510	BN164CM0D0D0AG0	217260	
	EDO	N-Type	BN163DM2D2D2NG0	208539	BN164DM2D2D2NG0	246798	
		A-Type	BN163DM2D2D2AG0	216774	BN164DM2D2D2AG0	255033	
2000A	MDO	N-Type	BN203CM0D0D0NG0	207801	BN204CM0D0D0NG0	264807	
		A-Type	BN203CM0D0D0AG0	216036	BN204CM0D0D0AG0	273042	
	EDO	N-Type	BN203DM2D2D2NG0	243261	BN204DM2D2D2NG0	300942	
		A-Type	BN203DM2D2D2AG0	251496	BN204DM2D2D2AG0	309168	
2500A	MDO	N-Type	BN253CM0D0D0NG0	245520	BN254CM0D0D0NG0	304020	
		A-Type	BN253CM0D0D0AG0	253755	BN254CM0D0D0AG0	312255	
	EDO	N-Type	BN253DM2D2D2NG0	281970	BN254DM2D2D2NG0	343323	
		A-Type	BN253DM2D2D2AG0	290205	BN254DM2D2D2AG0	351558	
3200A	MDO	N-Type	BN323CM0D0D0NG0	309780	BN324CM0D0D0NG0	383589	
		A-Type	BN323CM0D0D0AG0	318024	BN324CM0D0D0AG0	391824	
	EDO	N-Type	BN323DM2D2D2NG0	346248	BN324DM2D2D2NG0	415800	
		A-Type	BN323DM2D2D2AG0	354474	BN324DM2D2D2AG0	424035	

**Air Circuit Breaker**

**IPAN / IPAS / IPBS Type**

**3 Pole**

**4 Pole**

Rating	kA	Draw Out	Relay	Basic Code	M.R.P. (₹)	Basic Code	M.R.P. (₹)
800A	65kA	MDO	N-Type	AN083CM0D0D0NGO	146790	AN084CM0D0D0NGO	189153
			A-Type	AN083CM0D0D0AGO	155025	AN084CM0D0D0AGO	197388
		EDO	N-Type	AN083DM2D2D2NGO	181251	AN084DM2D2D2NGO	210636
			A-Type	AN083DM2D2D2AGO	190737	AN084DM2D2D2AGO	218871
1000A		MDO	N-Type	AN103CM0D0D0NGO	155772	AN104CM0D0D0NGO	196956
			A-Type	AN103CM0D0D0AGO	164007	AN104CM0D0D0AGO	206217
		EDO	N-Type	AN103DM2D2D2NGO	190809	AN104DM2D2D2NGO	233037
			A-Type	AN103DM2D2D2AGO	196461	AN104DM2D2D2AGO	241272
1250A	MDO	N-Type	AN123CM0D0D0NGO	183852	AN124CM0D0D0NGO	227817	
		A-Type	AN123CM0D0D0AGO	192087	AN124CM0D0D0AGO	236043	
	EDO	N-Type	AN123DM2D2D2NGO	222219	AN124DM2D2D2NGO	262512	
		A-Type	AN123DM2D2D2AGO	230454	AN124DM2D2D2AGO	270747	
1600A	MDO	N-Type	AN163CM0D0D0NGO	199098	AN164CM0D0D0NGO	248796	
		A-Type	AN163CM0D0D0AGO	207324	AN164CM0D0D0AGO	257031	
	EDO	N-Type	AN163DM2D2D2NGO	234729	AN164DM2D2D2NGO	283095	
		A-Type	AN163DM2D2D2AGO	242964	AN164DM2D2D2AGO	291330	
2000A	85kA	MDO	N-Type	AS203CM0D0D0NGO	241110	AS204CM0D0D0NGO	306414
			A-Type	AS203CM0D0D0AGO	249345	AS204CM0D0D0AGO	314649
		EDO	N-Type	AS203DM2D2D2NGO	281169	AS204DM2D2D2NGO	346851
			A-Type	AS203DM2D2D2AGO	289440	AS204DM2D2D2AGO	355086
2500A		MDO	N-Type	AS253CM0D0D0NGO	282978	AS254CM0D0D0NGO	355977
			A-Type	AS253CM0D0D0AGO	291213	AS254CM0D0D0AGO	364212
		EDO	N-Type	AS253DM2D2D2NGO	325692	AS254DM2D2D2NGO	395658
			A-Type	AS253DM2D2D2AGO	333927	AS254DM2D2D2AGO	403893
3200A	MDO	N-Type	AS323CM0D0D0NGO	350658	AS324CM0D0D0NGO	436995	
		A-Type	AS323CM0D0D0AGO	358893	AS324CM0D0D0AGO	445230	
	EDO	N-Type	AS323DM2D2D2NGO	388683	AS324DM2D2D2NGO	477891	
		A-Type	AS323DM2D2D2AGO	396918	AS324DM2D2D2AGO	486117	
4000A	100kA	MDO	N-Type	AS403CM0D0D0NGO	441594	AS404CM0D0D0NGO	554229
			A-Type	AS403CM0D0D0AGO	449829	AS404CM0D0D0AGO	524925
		EDO	N-Type	AS403DM2D2D2NGO	482013	AS404DM2D2D2NGO	589194
			A-Type	AS403DM2D2D2AGO	490248	AS404DM2D2D2AGO	597429
5000A	120kA	MDO	N-Type	AS503CM0D0D0NGO	on request	AS504CM0D0D0NGO	on request
			A-Type	AS503CM0D0D0AGO	on request	AS504CM0D0D0AGO	on request
		EDO	N-Type	AS503DM2D2D2NGO	on request	AS504DM2D2D2NGO	on request
			A-Type	AS503DM2D2D2AGO	on request	AS504DM2D2D2AGO	on request

Rating	kA	Draw Out	Relay	Basic Code	M.R.P. (₹)	Basic Code	M.R.P. (₹)
2000A	70kA	MDO	N-Type	BS203CM0D0D0NGO	230535	BS204CM0D0D0NGO	296433
			A-Type	BS203CM0D0D0AGO	238770	BS204CM0D0D0AGO	304668
		EDO	N-Type	BS203DM2D2D2NGO	267318	BS204DM2D2D2NGO	333783
			A-Type	BS203DM2D2D2AGO	275553	BS204DM2D2D2AGO	342018
2500A		MDO	N-Type	BS253CM0D0D0NGO	269802	BS254CM0D0D0NGO	340335
			A-Type	BS253CM0D0D0AGO	278037	BS254CM0D0D0AGO	348570
		EDO	N-Type	BS253DM2D2D2NGO	309852	BS254DM2D2D2NGO	377280
			A-Type	BS253DM2D2D2AGO	318087	BS254DM2D2D2AGO	385506



**Air Circuit Breaker**

**3 Pole**

**4 Pole**

Rating	kA	Draw Out	Relay	Basic Code	M.R.P. (₹)	Basic Code	M.R.P. (₹)
3200A	70kA	MDO	N-Type	BS323CM0D0D0NG0	340425	BS324CM0D0D0NG0	429408
			A-Type	BS323CM0D0D0AG0	348660	BS324CM0D0D0AG0	437643
		EDO	N-Type	BS323DM2D2D2NG0	380493	BS324DM2D2D2NG0	465534
			A-Type	BS323DM2D2D2AG0	388728	BS324DM2D2D2AG0	473769
4000A	85kA	MDO	N-Type	BS403CM0D0D0NG0	421335	BS404CM0D0D0NG0	526563
			A-Type	BS403CM0D0D0AG0	429561	BS404CM0D0D0AG0	534798
		EDO	N-Type	BS403DM2D2D2NG0	457533	BS404DM2D2D2NG0	561807
			A-Type	BS403DM2D2D2AG0	465768	BS404DM2D2D2AG0	570033
5000A	100kA	MDO	N-Type	BS503CM0D0D0NG0	739827	BS504CM0D0D0NG0	924849
			A-Type	BS503CM0D0D0AG0	748062	BS504CM0D0D0AG0	933084
		EDO	N-Type	BS503DM2D2D2NG0	765954	BS504DM2D2D2NG0	965223
			A-Type	BS503DM2D2D2AG0	774189	BS504DM2D2D2AG0	973458
6300A	120kA	MDO	N-Type	BS633CM0D0D0NG0	819207	BS634CM0D0D0NG0	1024029
			A-Type	BS633CM0D0D0AG0	827433	BS634CM0D0D0AG0	1032264
		EDO	N-Type	BS633DM2D2D2NG0	843858	BS634DM2D2D2NG0	1064457
			A-Type	BS633DM2D2D2AG0	852084	BS634DM2D2D2AG0	1146771

**IPAN / IPAS with P type relay**

**3 Pole**

**4 Pole**

Rating	Version	Icu (100%Ics) at 500Vac	Icw (for 1 sec)	Basic Code	M.R.P. (Rs.) Per Unit	Basic Code	M.R.P. (Rs.) Per Unit
800 A	MDO	65kA	50kA	AN083CM0D0D0PX1	161199	AN084CM0D0D0PX1	203562
	EDO			AN083DM2D2D2PX1	195660	AN084DM2D2D2PX1	239787
1000 A	MDO			AN103CM0D0D0PX1	170172	AN104CM0D0D0PX1	211365
	EDO			AN103DM2D2D2PX1	205209	AN104DM2D2D2PX1	247437
1250 A	MDO			AN123CM0D0D0PX1	198252	AN124CM0D0D0PX1	242226
	EDO			AN123DM2D2D2PX1	236619	AN124DM2D2D2PX1	276921
1600 A	MDO			AN163CM0D0D0PX1	213507	AN164CM0D0D0PX1	263196
	EDO			AN163DM2D2D2PX1	249138	AN164DM2D2D2PX1	297504
2000 A	MDO	85kA	85kA	AS203CM0D0D0PX1	255510	AS204CM0D0D0PX1	320823
	EDO			AS203DM2D2D2PX1	295578	AS204DM2D2D2PX1	361260
2500 A	MDO			AS253CM0D0D0PX1	297387	AS254CM0D0D0PX1	370386
	EDO			AS253DM2D2D2PX1	340092	AS254DM2D2D2PX1	410058
3200 A	MDO			AS323CM0D0D0PX1	365058	AS324CM0D0D0PX1	451413
	EDO			AS323DM2D2D2PX1	403092	AS324DM2D2D2PX1	492300
4000 A	MDO			AS403CM0D0D0PX1	455994	AS404CM0D0D0PX1	568629
	EDO			AS403DM2D2D2PX1	496422	AS404DM2D2D2PX1	603594
5000 A	MDO	100kA	100kA	AS503CM0D0D0PX1	On request	AS504CM0D0D0PX1	On request
	EDO			AS503DM2D2D2PX1	On request	AS504DM2D2D2PX1	On request
6300 A	MDO			AS633CM0D0D0PX1	On request	AS634CM0D0D0PX1	On request
	EDO			AS633DM2D2D2PX1	On request	AS634DM2D2D2PX1	On request

**Please Note :**

- The above MRP include 3NO+3NC Aux- contacts for MDO & 5NO+5NC Aux-contacts for EDO ACBs. Also safety Shutter & Racking handle would be supplied as standard for MDO & EDO ACBs.
- EDO version does include Shunt Trip, Motor mechanism & Closing coil (all for a voltage of 230V/240V) as standard.
- ACBs with Icw for 2 Sec & 3 Sec are also available.
- ACBs with higher operational voltage is also available.
- Type of standard Terminal connection : Top → Vertical      bottom → Horizontal  
However, any other combination & Front connection type is also available - on request

**For RETROFITTING JOBS**  
- Please contact our branch Office.

**Fixed Type Air Circuit Breaker**

Rating	Version	Icu (100%Ics)	3 Pole	4 Pole
			M.R.P. (Rs.) Per Unit	M.R.P.( Rs.) Per Unit
800A	MF	50kA	On request	On request
1000A			On request	On request
1250A			On request	On request
1600A			On request	On request

Please Note :

- All Fixed Type ACBs are with microprocessor based release (type N)
- Higher rating are also available on request

**ACB Accessories (For Draw out type ACBs)**

Accessories	Item Code	Available Rating	List Price (₹)
Shunt Coil	IPSHT11	AC/DC 100~130V	2574
	IPSHT12	AC/DC 200~250V	2574
	IPSHT13	DC 125V	2574
	IPSHT14	DC 24~30V	2574
	IPSHT15	DC 48~60V	2574
	IPSHT16	AC 380~415V	2574
	IPSHT17	AC 48V	2574
Closing Coil	IPCC01	AC/DC 100~130V	2574
	IPCC02	AC/DC 200~250V	2574
	IPCC03	DC 125V	2574
	IPCC04	DC 24~30V	2574
	IPCC05	DC 48~60V	2574
	IPCC06	AC 380~415V	2574
	IPCC07	AC 48V	2574

**HPL ACB Accessories (For Draw out type ACBs)**

Accessories	Item Code	Available Rating	List Price (₹)
Motor	IPM01	AC/DC 100~130V	18009
	IPM02	AC/DC 200~250V	18009
	IPM03	DC 125V	18009
	IPM04	DC 24~30V	18009
	IPM05	DC 48~60V	18009
	IPM06	AC 380~415V	18009
	IPM07	AC 48V	18009
	IPM08	AC 440~480V	18009
Charge Switch	IPCS1		927
Charge Switch Communication	IPCS2		*
Under Voltage Release	IPUVT01	AC/DC 100~130V	6174
	IPUVT02	AC/DC 200~250V	6174
	IPUVT03	DC 125V	6174
	IPUVT04	DC 24~30V	6174
	IPUVT05	DC 48~60V	6174
	IPUVT06	AC 380~415V	6174
	IPUVT07	AC 48V	6174
Trip Alarm Contact	IPAL01	DC 8V	5661
	IPAL02	DC 30V	5661
	IPAL03	DC 125V	5661
	IPAL04	AC/DC 250V	5661
Remote Reset Switch	IPRES01	AC/DC 110V	*
	IPRES02	AC/DC 250V	*
Ready to close Switch	IPRCS		*
Counter	IPC		2574
Auxiliary Contact (5NO+5NC)	IPAX		5148
Temperature Alarm	IPTM		*
Key Lock	IPK1		*
Key Interlock Set	IPK2		*
Double Key lock	IPK3		*
On Off Button Lock	IPB		*
Dust Cover	IPDC		*
Door Frame	IPDF		2574
OCR Tester	IPOCRTESTER		*
Normal Type Relay	IPNG0		6174
Ammeter Type Relay	IPAG0		14409
Power Meter Type Relay	IPPX1		18522
Voltage Module (only for P- type Relay)	IPVM		*
ZCT For Earth Leakage(for A & P-Type Relay)	IPZCT		*
Shorting "b" Contact	IPSBA		*
Mechanical Interlock	IPMI		*
Safety Shutter Lock	IPST		*
Mal-insertion Prevention Device	IPMIP		4635
Mechanical Operated Cell Switch	IPMOC		*
	IPCEL		*
Door Interlock	IPDI		*
Zero Arc Space	IPZAS		*
Safety Control Cover	IPSC		*
Racking Interlock	IPRI		1233
Pad Lock/ Position lock	IPPL		*
Insulation Barrier	IPIB3P	set of 2 barriers	1548
	IPIB4P	set of 3 barriers	2061
UVT Time Delay Controller	IPUDC01	AC/DC 48V	12348
	IPUDC02	AC/DC 110V	*
	IPUDC03	AC/DC 250V	*
	IPUDC04	AC 415V	*
Reverse phase ACB	IPRPH		*
Remote I/O	IPRCO		*
Profibus-DP Comm Module	IPPC		*

\* Price on request



**intelliPROTECT**  
intelligent protection

**HPL Air Circuit Breaker Ordering Codes**

1,2		3,4		5		6		7,8,9,10,11,12			13,14,15						
TYPE	ACB/CT RATING	No.of POLES		Manual / Electrical FIXED/DRAW OUT		CODE			MOTOR	CC	SHT	VOLTAGE RATING	TYPE	Communication & Protection	CONTROL VOLTAGE & FREQUENCY		
		3-POLE	4-POLE	MANUAL/ELECTRICAL FIXED	ELECTRICAL DRAW OUT	MOTOR	CC	SHT								VOLTAGE RATING	WITHOUT TRIP RELAY (CODE:- 000)
BN/AN	630A	06	3-POLE	3	MANUAL/ELECTRICAL FIXED	F	M0	D0	D0	D0	D0	NIL					
	800A	08	4-POLE	4			M1	D1	D1	D1	D1	AC/DC 100-130V					
BS/AS	1000A	10			MANUAL DRAW OUT	C	M2	D2	D2	D2	D2	AC/DC 200-250V	NORMAL	Without Communication + L/S/I/G	G	SELF POWERED,50HZ	
	1250A	12			ELECTRICAL DRAW OUT	D	M3	D3	D3	D3	D3	DC 125V					SELF POWERED,60HZ
	1600A	16					M4	D4	D4	D4	D4	DC 24-30V					
	2000A	20					M5	D5	D5	D5	D5	DC 48-60V	AMMETER	Without Communication	G	SELF POWERED,50HZ	
	2500A	25					M6	D6	D6	D6	D6	AC 380-415V		Without Communication + Earth Leakage	Z	AC/DC 100-250V, 50 HZ	
	3200A	32					M7	D7	D7	D7	D7	AC 48V		Without Communication + Earth Leakage	E	DC 24-60V, 50HZ	
	4000A	40					M8	D8	D8	D8	D8	AC 440-480V		Communication	C	SELF POWERED,60HZ	
	5000A	50												Communication + Earth Leakage	K	AC/DC 100-250V, 60 HZ	
	6300A	63												Communication + Earth Leakage	X	DC 24-60V, 60HZ	
													POWER METER	Communication	C	AC/DC 100-250V, 50 HZ	
														Communication + Earth Leakage	K	DC 24-60V, 50HZ	
														Communication + Earth Leakage	X	AC/DC 100-250V, 60 HZ	
														Communication + Pre-Trip Alarm	A	DC 24-60V, 60HZ	

**"NORMAL" type Release**  
 \* L/S/I/G configuration supplied as standard  
 - With LED Indicators  
 - Without output contacts  
 \* Ground fault system is by vector sum

**"AMMETER" type Release**  
 \* L/S/I/G configuration supplied as standard  
 \* Ground fault system is by vector sum(G,C)  
 \* Earth Leakage system  
 -Z,K: External CT- HPL ZCT to be used for fault current 0.5- 30A, 1600AF  
 -E,X: External CT- Customer has to use on his own for fault current > 30A  
 \* Communication and output contacts DO NOT work under self power condition

**"POWER METER" type Release**  
 \* L/S/I/G configuration supplied as standard  
 \* Ground fault system is by vector sum(G,C)  
 \* Earth Leakage system  
 -K: External CT- HPL ZCT to be used for fault current 0.5- 30A, 1600AF  
 -X: External CT- Customer has to use on his own for fault current > 30A  
 \* Applicable for generator protection purpose







**TAB™** (Thermal Adjustable Breaker)

**TAB 1 - 3 Pole & 4 Pole**

Breaking Capacity Icu KA@415V 50Hz	Rating (A) Current	Thermal Release Setting Range A	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)
10	20	16-20	TAB160LX020AC3P	2601	TAB160LX020AC4P	5067
	25	20-25	TAB160LX025AC3P	2601	TAB160LX025AC4P	5067
	32	25-32	TAB160LX032AC3P	2601	TAB160LX032AC4P	5067
	40	32-40	TAB160LX040AC3P	2601	TAB160LX040AC4P	5067
	50	40-50	TAB160LX050AC3P	2601	TAB160LX050AC4P	5067
	63	50-63	TAB160LX063AC3P	2601	TAB160LX063AC4P	5067
	80	63-80	TAB160LX080AC3P	2601	TAB160LX080AC4P	5067
	100	80-100	TAB160LX100AC3P	2601	TAB160LX100AC4P	5067
	125	100-125	TAB160LX125AC3P	5328	TAB160LX125AC4P	6957
16	160	128-160	TAB160LX160AC3P	5832	TAB160LX160AC4P	7704
	20	16-20	TAB160DX020AC3P	3672	TAB160DX020AC4P	5229
	25	20-25	TAB160DX025AC3P	3672	TAB160DX025AC4P	5229
	32	25-32	TAB160DX032AC3P	3672	TAB160DX032AC4P	5229
	40	32-40	TAB160DX040AC3P	3672	TAB160DX040AC4P	5229
	50	40-50	TAB160DX050AC3P	3672	TAB160DX050AC4P	5229
	63	50-63	TAB160DX063AC3P	3672	TAB160DX063AC4P	5229
	80	63-80	TAB160DX080AC3P	3672	TAB160DX080AC4P	5229
	100	80-100	TAB160DX100AC3P	3672	TAB160DX100AC4P	5229
25	125	100-125	TAB160DX125AC3P	5652	TAB160DX125AC4P	8406
	160	128-160	TAB160DX160AC3P	6255	TAB160DX160AC4P	9063
	20	16-20	TAB160CY020AC3P	4590	TAB160CY020AC4P	7128
	25	20-25	TAB160CY025AC3P	4590	TAB160CY025AC4P	7128
	32	25-32	TAB160CY032AC3P	4590	TAB160CY032AC4P	7128
	40	32-40	TAB160CY040AC3P	4590	TAB160CY040AC4P	7128
	50	40-50	TAB160CY050AC3P	4590	TAB160CY050AC4P	7128
	63	50-63	TAB160CY063AC3P	4590	TAB160CY063AC4P	7128
	80	63-80	TAB160CY080AC3P	4590	TAB160CY080AC4P	7128
36	100	80-100	TAB160CY100AC3P	4869	TAB160CY100AC4P	7128
	125	100-125	TAB160CY125AC3P	6210	TAB160CY125AC4P	8505
	160	128-160	TAB160CY160AC3P	7695	TAB160CY160AC4P	10683
	20	16-20	TAB160NZ020AC3P	6039	TAB160NZ020AC4P	8379
	25	20-25	TAB160NZ025AC3P	6039	TAB160NZ025AC4P	8379
	32	25-32	TAB160NZ032AC3P	6039	TAB160NZ032AC4P	8379
	40	32-40	TAB160NZ040AC3P	6039	TAB160NZ040AC4P	8379
	50	40-50	TAB160NZ050AC3P	6039	TAB160NZ050AC4P	8379
	63	50-63	TAB160NZ063AC3P	6039	TAB160NZ063AC4P	8379
36	80	63-80	TAB160NZ080AC3P	6363	TAB160NZ080AC4P	8379
	100	80-100	TAB160NZ100AC3P	6633	TAB160NZ100AC4P	8379
	125	100-125	TAB160NZ125AC3P	7281	TAB160NZ125AC4P	10008
	160	128-160	TAB160NZ160AC3P	8316	TAB160NZ160AC4P	12330

**TAB™** (Thermal Adjustable Breaker)

**TAB 2 - 3 Pole & 4 Pole**

Breaking Capacity Icu KA@415V 50Hz	Rating (A) Current	Thermal Release Setting Range A	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)
25	063	50-63	TAB250CY063AC3P	6813	TAB250CY063AC4P	7209
	080	63-80	TAB250CY080AC3P	6813	TAB250CY080AC4P	7209
	100	80-100	TAB250CY100AC3P	6813	TAB250CY100AC4P	7209
	125	100-125	TAB250CY125AC3P	6813	TAB250CY125AC4P	8856
	160	125-160	TAB250CY160AC3P	7938	TAB250CY160AC4P	11115
	200	160-200	TAB250CY200AC3P	10161	TAB250CY200AC4P	12969
	250	200-250	TAB250CY250AC3P	13221	TAB250CY250AC4P	16470
36	063	50-63	TAB250NZ063AC3P	7182	TAB250NZ063AC4P	8739
	080	63-80	TAB250NZ080AC3P	7182	TAB250NZ080AC4P	8739
	100	80-100	TAB250NZ100AC3P	7182	TAB250NZ100AC4P	8739
	125	100-125	TAB250NZ125AC3P	7560	TAB250NZ125AC4P	9063
	160	128-160	TAB250NZ160AC3P	10035	TAB250NZ160AC4P	12357
	200	160-200	TAB250NZ200AC3P	10701	TAB250NZ200AC4P	14823
	250	200-250	TAB250NZ250AC3P	15876	TAB250NZ250AC4P	20097
50	063	50-63	TAB250SZ063AC3P	8595	TAB250SZ063AC4P	11691
	080	63-80	TAB250SZ080AC3P	9108	TAB250SZ080AC4P	12042
	100	80-100	TAB250SZ100AC3P	9108	TAB250SZ100AC4P	12042
	125	100-125	TAB250SZ125AC3P	9504	TAB250SZ125AC4P	14418
	160	125-160	TAB250SZ160AC3P	12627	TAB250SZ160AC4P	16992
	200	160-200	TAB250SZ200AC3P	14238	TAB250SZ200AC4P	22644
	250	200-250	TAB250SZ250AC3P	18756	TAB250SZ250AC4P	24705

• For Rating beyond 250A, please contact our nearest Sales Office.

**MCCB - Single Pole**

	Current Rating	Item Code	MRP Unit (₹)	Current Rating	Item Code	MRP Unit (₹)
25kA	10A	SPMCCB010	on request	63A	SPMCCB063	on request
	16A	SPMCCB016	on request	75A	SPMCCB075	on request
	20A	SPMCCB020	on request	80A	SPMCCB080	on request
	25A	SPMCCB025	on request	90A	SPMCCB090	on request
	30A	SPMCCB030	on request	100A	SPMCCB100	on request
	32A	SPMCCB032	on request	120A	SPMCCB120	on request
	40A	SPMCCB040	on request	125A	SPMCCB125	on request
	50A	SPMCCB050	on request	150A	SPMCCB150	on request
	60A	SPMCCB060	on request	160A	SPMCCB160	on request

**Motor Duty MCCBs (3Pole) - MD Series**



Current Rating	Item Code for Breaking Capacity 25kA (Icu) at 415V, 50 Hz	MRP Unit (₹)	Item Code for Breaking Capacity 36kA (Icu) at 415V, 50 Hz	MRP Unit (₹)
14A	MD3PCT1001	7524	MD3PNT1001	8613
21A	MD3PCT1061	7920	MD3PNT1061	9531
28A	MD3PCT2002	9756	MD3PNT2002	10953
40A	MD3PCT2052	11925	MD3PNT2052	17334

**Accessories for TAB MCCB Rating 25-250A**

Description	Voltage Contacts	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)
Shunt Release	110VAC	TAB160SHT110AC	675	TAB250SHT110AC	882
	230VAC	TAB160SHT230AC	675	TAB250SHT230AC	882
	415VAC	TAB160SHT415AC	675	TAB250SHT415AC	882
	24VDC	TAB160SHT024DC	774	TAB250SHT024DC	990
Under Voltage Release	110VAC	TAB160UVT110AC	1107	TAB250UVT110AC	1107
	230VAC	TAB160UVT230AC	1107	TAB250UVT230AC	1107
	415VAC	TAB160UVT415AC	1107	TAB250UVT415AC	1107
	24VDC	TAB160UVT024DC	1206	TAB250UVT024DC	1206
Auxiliary Switch	1 C/O	TAB160AX1C	774	TAB250AX1C	774
	2 C/O	TAB160AX2C	1206	TAB250AX2C	1206
Alarm Switch	1 C/O	TAB160AL1C	774	TAB250AL1C	774
	2 C/O	TAB160AL2C	1206	TAB250AL2C	1206
Alarm Auxiliary Switch	2 C/O	TAB160ALAX	1440	TAB250ALAX	1440
Rotary Handle Door Mounted	Each	TAB160RHDM	1143	TAB250RHDM	1251
Rotary Handle Breaker Mounted	Each	TAB160RHBM	918	TAB250RHBM	1044
Spreader Terminal Kit for 3 Pole	1 SET	TAB160ST3P	252	TAB250ST3P	657

**TAB Basix Fixed Thermal Magnetic Setting**

Breaking Capacity Icu KA@415V 50Hz	Rating (A) Current	Item Code 3Pole	MRP Unit (₹)	Item Code 4Pole	MRP Unit (₹)
10	20	TABBASIX1020L3P	1944	TABBASIX1020L4P	3438
	25	TABBASIX1025L3P	1944	TABBASIX1025L4P	3438
	32	TABBASIX1032L3P	1944	TABBASIX1032L4P	3438
	40	TABBASIX1040L3P	1944	TABBASIX1040L4P	3438
	50	TABBASIX1050L3P	1944	TABBASIX1050L4P	3438
	63	TABBASIX1063L3P	1944	TABBASIX1063L4P	3438
	80	TABBASIX1080L3P	1944	TABBASIX1080L4P	3438
	100	TABBASIX1100L3P	1944	TABBASIX1100L4P	3438
	125	TABBASIX1125L3P	4050	TABBASIX1125L4P	5643
160	TABBASIX1160L3P	4437	TABBASIX1160L4P	6327	
16	20	TABBASIX1020D3P	3393	TABBASIX1020D4P	4635
	25	TABBASIX1025D3P	3393	TABBASIX1025D4P	4635
	32	TABBASIX1032D3P	3393	TABBASIX1032D4P	4635
	40	TABBASIX1040D3P	3393	TABBASIX1040D4P	4635
	50	TABBASIX1050D3P	3393	TABBASIX1050D4P	4635
	63	TABBASIX1063D3P	3393	TABBASIX1063D4P	4635
	80	TABBASIX1080D3P	3393	TABBASIX1080D4P	4635
	100	TABBASIX1100D3P	3393	TABBASIX1100D4P	4635
	125	TABBASIX1125D3P	5490	TABBASIX1125D4P	7740
160	TABBASIX1160D3P	5715	TABBASIX1160D4P	8613	
25	20	TABBASIX1020C3P	4257	TABBASIX1020C4P	5517
	25	TABBASIX1025C3P	4257	TABBASIX1025C4P	5517
	32	TABBASIX1032C3P	4257	TABBASIX1032C4P	5517
	40	TABBASIX1040C3P	4257	TABBASIX1040C4P	5517
	50	TABBASIX1050C3P	4257	TABBASIX1050C4P	5517
	63	TABBASIX1063C3P	4257	TABBASIX1063C4P	5517
	80	TABBASIX1080C3P	4392	TABBASIX1080C4P	5679
	100	TABBASIX1100C3P	4563	TABBASIX1100C4P	5679
	125	TABBASIX1125C3P	5625	TABBASIX1125C4P	7686
	160	TABBASIX1160C3P	7533	TABBASIX1160C4P	9072
	200	TABBASIX2200C3P	9882	TABBASIX2200C4P	12330
	250	TABBASIX2250C3P	12978	TABBASIX2250C4P	14220
36	20	TABBASIX1020N3P	6183	TABBASIX1020N4P	7263
	25	TABBASIX1025N3P	6183	TABBASIX1025N4P	7263
	32	TABBASIX1032N3P	6183	TABBASIX1032N4P	7263
	40	TABBASIX1040N3P	6183	TABBASIX1040N4P	7263
	50	TABBASIX1050N3P	6183	TABBASIX1050N4P	7263
	63	TABBASIX1063N3P	6183	TABBASIX1063N4P	7263
	80	TABBASIX1080N3P	6606	TABBASIX1080N4P	7686
	100	TABBASIX1100N3P	6606	TABBASIX1100N4P	7686
	125	TABBASIX1125N3P	7209	TABBASIX1125N4P	9252
	160	TABBASIX1160N3P	8235	TABBASIX1160N4P	10467
	200	TABBASIX2200N3P	10809	TABBASIX2200N4P	14229
	250	TABBASIX2250N3P	14976	TABBASIX2250N4P	19332
50	63	TABBASIX2063S3P	7863	TABBASIX2063S4P	10143
	80	TABBASIX2080S3P	8577	TABBASIX2080S4P	10143
	100	TABBASIX2100S3P	8577	TABBASIX2100S4P	10143
	125	TABBASIX2125S3P	8955	TABBASIX2125S4P	10476
	160	TABBASIX2160S3P	9621	TABBASIX2160S4P	12168
	200	TABBASIX2200S3P	10926	TABBASIX2200S4P	14823
	250	TABBASIX2250S3P	16596	TABBASIX2250S4P	20268

# LoadGuard



**Moulded Case Circuit Breakers with Fixed Thermal Magnetic Setting**

Breaking Capacity (Icu)	Frame	Rating (A) 415V 50Hz	Two Pole Item Code	Description	MRP Unit (₹)
15kA	H2	80 A	H2 080 D 2P	MCCB 2Pole, 80A, 15kA	2430
		100A	H2 100 D 2P	MCCB 2Pole, 100A, 15kA	2430
25kA	H2	80 A	H2 080 C 2P	MCCB 2Pole, 80A, 25kA	3501
		100A	H2 100 C 2P	MCCB 2Pole, 100A, 25kA	3501

Breaking Capacity (Icu)	Frame	Rating (A) 415V 50Hz	Three Pole Item Code	Description	MRP Unit (₹)
10kA	H1	10 A	H1 010 L 3P	MCCB 3Pole, 10A, 10kA	1944
		15 A	H1 015 L 3P	MCCB 3Pole, 15A, 10kA	1944
		20 A	H1 020 L 3P	MCCB 3Pole, 20A, 10kA	1944
		32 A	H1 032 L 3P	MCCB 3Pole, 32A, 10kA	1944
		40 A	H1 040 L 3P	MCCB 3Pole, 40A, 10kA	1944
		50 A	H1 050 L 3P	MCCB 3Pole, 50A, 10kA	1944
		63 A	H1 063 L 3P	MCCB 3Pole, 63A, 10kA	1944
		80 A	H1 080 L 3P	MCCB 3Pole, 80A, 10kA	1944
15kA	H1	100 A	H1 100 L 3P	MCCB 3Pole, 100A, 10kA	1944
		32 A	H1 032 D 3P	MCCB 3Pole, 32A, 15kA	3393
25kA	H2	63 A	H1 063 D 3P	MCCB 3Pole, 63A, 15kA	3393
		63 A	H2 063 C 3P	MCCB 3Pole, 63A, 25kA	4248
36kA	H2	80 A	H2 080 C 3P	MCCB 3Pole, 80A, 25kA	4392
		100 A	H2 100 C 3P	MCCB 3Pole, 100A, 25kA	4554
		63 A	H2 063 N 3P	MCCB 3Pole, 63A, 36kA	6183
50kA	H2	80 A	H2 080 N 3P	MCCB 3Pole, 80A, 36kA	6597
		100 A	H2 100 N 3P	MCCB 3Pole, 100A, 36kA	6597
		63 A	H2 063 S 3P	MCCB 3Pole, 63A, 50kA	7866
65kA	H2	80 A	H2 080 S 3P	MCCB 3Pole, 80A, 50kA	8577
		100 A	H2 100 S 3P	MCCB 3Pole, 100A, 50kA	8577
		63 A	H2 063 H 3P	MCCB 3Pole, 63A, 65kA	9603
25kA	H3	80 A	H2 080 H 3P	MCCB 3Pole, 80A, 65kA	11583
		100 A	H2 100 H 3P	MCCB 3Pole, 100A, 65kA	12411
		125 A	H3 125 C 3P	MCCB 3Pole, 125A, 25kA	5616
36kA	H3	160 A	H3 160 C 3P	MCCB 3Pole, 160A, 25kA	7533
		200 A	H3 200 C 3P	MCCB 3Pole, 200A, 25kA	9882
		250 A	H3 250 C 3P	MCCB 3Pole, 250A, 25kA	12969
		125 A	H3 125 N 3P	MCCB 3Pole, 125A, 36kA	7209
36kA	H3	160 A	H3 160 N 3P	MCCB 3Pole, 160A, 36kA	8235
		200 A	H3 200 N 3P	MCCB 3Pole, 200A, 36kA	11223
		250 A	H3 250 N 3P	MCCB 3Pole, 250A, 36kA	14967



**Moulded Case Circuit Breakers with Fixed Thermal Magnetic Setting**

Breaking Capacity (Icu)	Frame	Rating (A) 415V 50Hz	Three Pole Item Code	Description	MRP Unit (₹)
50kA	H3	125 A	H3 125 S 3P	MCCB 3Pole, 125A, 50kA	8955
		160 A	H3 160 S 3P	MCCB 3Pole, 160A, 50kA	9612
		200 A	H3 200 S 3P	MCCB 3Pole, 200A, 50kA	10917
		250 A	H3 250 S 3P	MCCB 3Pole, 250A, 50kA	16596
65kA	H3	125 A	H3 125 H 3P	MCCB 3Pole 125A, 65kA	15624
		160 A	H3 160 H 3P	MCCB 3Pole 160A, 65kA	16353
		200 A	H3 200 H 3P	MCCB 3Pole 200A, 65kA	16920
		250 A	H3 250 H 3P	MCCB 3Pole 250A, 65kA	23220
36kA	H4	315 A	H4 315 N 3P	MCCB 3Pole, 315A, 36kA	15876
		400 A	H4 400 N 3P	MCCB 3Pole, 400A, 36kA	17874
50kA	H4	315 A	H4 315 S 3P	MCCB 3Pole, 315A, 50kA	19863
		400 A	H4 400 S 3P	MCCB 3Pole, 400A, 50kA	22482
65kA	H4	315 A	H4 315 H 3P	MCCB 3Pole, 315A, 65kA	30591
		400 A	H4 400 H 3P	MCCB 3Pole, 400A, 65kA	33093
36kA	H5	630 A	H5 630 N 3P	MCCB 3Pole, 630A, 36kA	22527
50kA	H5	500 A	H5 500 S 3P	MCCB 3Pole, 500A, 50kA	26793
		630 A	H5 630 S 3P	MCCB 3Pole, 630A, 50kA	28062
65kA	H5	500 A	H5 500 H 3P	MCCB 3Pole, 500A, 65kA	35640
		630 A	H5 630 H 3P	MCCB 3Pole, 630A, 65kA	35640
		800 A	H5 800 H 3P	MCCB 3Pole, 800A, 65kA	38142

Breaking Capacity (Icu)	Frame	Rating (A) 415V 50Hz	Four Pole Item Code	Description	MRP Unit (₹)
10kA	H1	63 A	H1 063 L 4P	MCCB 4Pole, 63A, 10kA	3438
15kA	H1	32 A	H1 032 D 4P	MCCB 4Pole, 32A, 15kA	4635
		63 A	H1 063 D 4P	MCCB 4Pole, 63A, 15kA	4635
25kA	H2	63 A	H2 063 C 4P	MCCB 4Pole, 63A, 25kA	5508
		80 A	H2 080 C 4P	MCCB 4Pole, 80A, 25kA	5679
		100 A	H2 100 C 4P	MCCB 4Pole, 100A, 25kA	5679
36kA	H2	63 A	H2 063 N 4P	MCCB 4Pole, 63A, 36kA	7263
		80 A	H2 080 N 4P	MCCB 4Pole, 80A, 36kA	7686
		100 A	H2 100 N 4P	MCCB 4Pole, 100A, 36kA	7686
50kA	H2	63 A	H2 063 S 4P	MCCB 4Pole, 63A, 50kA	10143
		80 A	H2 080 S 4P	MCCB 4Pole, 80A, 50kA	10143
		100 A	H2 100 S 4P	MCCB 4Pole, 100A, 50kA	10143

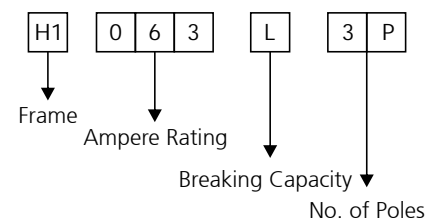
25kA	H3	125 A	H3 125 C 4P	MCCB 4Pole, 125A, 25kA	7686
		160 A	H3 160 C 4P	MCCB 4Pole, 160A, 25kA	9072
		200 A	H3 200 C 4P	MCCB 4Pole, 200A, 25kA	12330
		250 A	H3 250 C 4P	MCCB 4Pole, 250A, 25kA	14220
36kA	H3	125 A	H3 125 N 4P	MCCB 4Pole, 125A, 36kA	9252
		160 A	H3 160 N 4P	MCCB 4Pole, 160A, 36kA	10467
		200 A	H3 200 N 4P	MCCB 4Pole, 200A, 36kA	14229
		250 A	H3 250 N 4P	MCCB 4Pole, 250A, 36kA	19332
50kA	H3	125 A	H3 125 S 4P	MCCB 4Pole, 125A, 50kA	10485
		160 A	H3 160 S 4P	MCCB 4Pole, 160A, 50kA	12159
		200 A	H3 200 S 4P	MCCB 4Pole, 200A, 50kA	14823
		250 A	H3 250 S 4P	MCCB 4Pole, 250A, 50kA	20268

**Moulded Case Circuit Breakers with Fixed Thermal Magnetic Setting**

Breaking Capacity (Icu)	Frame	Rating (A) 415V 50Hz	Four Pole Item Code	Description	MRP Unit (₹)
36kA	H4	315 A	H4 315 N 4P	MCCB 4Pole, 315A, 36kA	23481
		400 A	H4 400 N 4P	MCCB 4Pole, 400A, 36kA	24750
50kA	H4	315 A	H4 315 S 4P	MCCB 4Pole, 315A, 50kA	23985
		400 A	H4 400 S 4P	MCCB 4Pole, 400A, 50kA	26100
36kA	H5	630 A	H5 630 N 4P	MCCB 4Pole, 630A, 36kA	29637
50kA	H5	500 A	H5 500 S 4P	MCCB 4Pole, 500A, 50kA	28089
		630 A	H5 630 S 4P	MCCB 4Pole, 630A, 50kA	31491
		800 A	H5 800 S 4P	MCCB 4Pole, 800A, 50kA	35046
65kA	H5	800A	H5 800 H 4P	MCCB 4Pole, 800A, 65kA	40032

Example on Ordering Code :  
MCCB 3Pole, 63A, 10kA, 415V, 50Hz : H1 063 L 3P

- All MCCBs conform to IS : 13947-2 & IEC : 60947-2
- Standard MCCB ratings are available ex-stock and the non standard ratings will be made available within 4-6 weeks.
- Single Pole MCCBs' up to 250A on request.



**Fixed Thermo-Magnetic MCCBs (3 Pole / 4 Pole) : Accessories**

Items	Voltage/ Configuration	H1		H2		H3		H4		H5	
		Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)	Item Code*	MRP Unit (₹)
Shunt trip	230V AC	H1SHT230L	720	H2SHT230L-3P	864	H3SHT230L	909	H4SHT230L	1431	H5SHT230L-630	2007
				H2SHT230L-4P	864					H5SHT230L-800	2007
	415V AC	H1SHT415L	720	H2SHT415L-3P	864	H3SHT415L	909	H4SHT415L	1431	H5SHT415L-630	2007
				H2SHT415L-4P	864					H5SHT415L-800	2007
UVT	230V AC	H1UVT230R	1332	H2UVT230R-3P	1359	H3UVT230R-3P	1413	H4UVT230R	1359	H5UVT230R-3P/4P-630	2007
				H2UVT230R-4P	1359	H3UVT230R-4P	1413			H5UVT230L-3P/4P-800	2007
	415V AC	H1UVT415R	1332	H2UVT415R-3P	1359	H3UVT415R-3P	1413	H4UVT415R	1359	H5UVT415R-3P/4P-630	2007
				H2UVT415R-4P	1359	H3UVT415R-4P	1413			H5UVT415L-3P/4P-800	2007
Aux. Contact	1NO + 1NC	H1AX001R	819	H2AX001R-3P	819	H3AX001R	819	H4AX001R	1116	H5AX001L-3P/4P-630	1521
				H2AX001R-4P	819					H5AX001R-3P/4P-800	1521
Alarm Contact	1NO + 1NC	H1AL001L	819	H2AL001L-3P	819	H3AL001L	819	H4AL001L	1116	H5AL001L-3P/4P-630	1521
				H2AL001L-4P	819					H5AL001L-3P/4P-800	1521
RHOM (Extended Rotary Handle)		H1RHOM00	1062	H2RHOM00-3P	1188	H3RHOM00	1260	H4RHOM00-3P	1755	H5RHOM00-3P/4P-630	2160
				H2RHOM00-4P	1188			H4RHOM00-4P	1755	H5RHOM00-3P/4P-800	2484

**Note :** For all accessories it is must to provide the specification / Rating of MCCB on which accessories will mount.

- e.g. 1- H1AX001R : Auxiliary contact with 1 changeover contact, i.e. 1NO+1NC ; R denotes to be connected on the right side of the MCCB knob or dolly.
- e.g.2- H1AL001L : Alarm contact with 1 changeover contact, i.e. 1NO+1NC ; L denotes to be connected on the left side of the MCCB knob or dolly.
- Shunt trip to be connected on the left side and UVT to be connected on the right side of the MCCB knob or dolly.
- Only one accessory on left and one on right side of MCCB can be fitted.

\*While ordering for spares, please mention type of MCCB and Pole configuration(3P & 4P)

**MCCB Distribution Panel**



TAB2, 3 Pole - I/C  
TAB1, 3P - O/G

TAB2, 4 Pole - I/C  
TAB1, 4P - O/G

LoadGuard (400A) 3P - I/C  
TAB1, 3P - O/G

Outgoing (no. of Ways)	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)
4	MDPT23PT13P4W	32742	MDPT24PT14P4W	36036	MDPH43PT13P4W	37116
6	MDPT23PT13P6W	38601	MDPT24PT14P6W	41267	MDPH43PT13P6W	43885
8	MDPT23PT13P8W	41553	MDPT24PT14P8W	46935	MDPH43PT13P8W	48348
10	MDPT23PT13P10W	46809	MDPT24PT14P10W	52470	MDPH43PT13P10W	52902
12	MDPT23PT13P12W	52056	MDPT24PT14P12W	58077	MDPH43PT13P12W	58455

LoadGuard (400A), 4P - I/C TAB1, 4P - O/G

LoadGuard (630A), 3P - I/C TAB2, 3P - O/G

Outgoing (no. of Ways)	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)
4	MDPH44PT14P4W	43470	MDPH53PT23P4W	On request
6	MDPH44PT14P6W	48483	MDPH53PT23P6W	On request
8	MDPH44PT14P8W	52389	MDPH53PT23P8W	On request
10	MDPH44PT14P10W	60093	MDPH53PT23P10W	On request
12	MDPH44PT14P12W	73512	MDPH53PT23P12W	On request

- The above prices are without MCCBs
- The above prices includes 3 nos. of indicating lights for 'Supply ON' indication & MCB for protection
- Digital metering optional
- The above MCCB distribution panel is suitable for incorporating motor duty (MD series) MCCBs also

**Digital Metering module for MCCB Distribution Panel**

Prewired Digital meter module with CTs & out emfis vif meter (V, I & Frequency)

Description	Item Code	MRP Unit (₹)
Prewired meter module with CTs & emfis vif meter	MDPMM2503P4W	12627

- We can offer our other types of panel mounted meters to meet yours application need - on request

**PAN Assembly (of MCCB Distribution Panel)**

Description	Item Code	MRP Unit (₹)
I/C 250A, O/G 4 Way	PA2503PT13P4W	12573
I/C 250A, O/G 6 Way	PA2503PT13P6W	14733
I/C 250A, O/G 8 Way	PA2503PT13P8W	16542
I/C 250A, O/G 10 Way	PA2503PT13P10W	19404
I/C 250A, O/G 12 Way	PA2503PT13P12W	21645

- The above pan assembly is suitable for TAB-2 (3pole) as incoming & TAB-1 (3 pole) / MD series of MCCBs as outgoing
- The above prices are only for pan assembly & does not include prices for MCCBs, enclosures, indicating lamps & MCBs etc.

**SS Enclosures for MCCB**

Description	Item Code	MRP Unit (₹)
SS Enclosures for TAB-1, 3P MCCBs	SETAB13P	1665
SS Enclosures for TAB-2, 3P MCCBs	SETAB23P	1728
SS Enclosures for TAB-1, 4P MCCBs	SETAB14P	1791
Sheet Enclosures for MCCB H4, 3P, 315A to 400A	H4SEMCCB3P	5211
Sheet Enclosures for MCCB H3, 4P, 125A to 250A	H3SEMCCB4P	3132
Sheet Enclosures for MCCB H4, 4P, 315A to 400A	H4SEMCCB4P	5211

- The above prices are without MCCBs

**Techno Miniature Circuit Breakers (MCB)**



IS : 8828



ISI Marked 240/415 V 50Hz, Tested at CPRI. Breaking capacity 10 KA.

B CURVE

CML-8515376

C CURVE

D CURVE



**10kA**



Rating Amps	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)
<b>Single Pole</b>						
0.5-5A	TSPB0.5-5	----	TSPC0.5-5	257	TSPD0.5-5	294
6-32A	TSPB6-32	164	TSPC6-32	173	TSPD6-32	237
40A	TSPB-40	358	TSPC-40	376	TSPD-40	413
50-63A	TSPB50-63	385	TSPC50-63	404	TSPD50-63	440
80A	TSPB-80	----	TSPC-80	1606	TSPD-80	----



<b>Single Pole - N</b>						
0.5-5A	TSPNB0.5-5	----	TSPNC0.5-5	588	TSPND0.5-5	----
6-32A	TSPNB6-32	477	TSPNC6-32	541	TSPND6-32	----
40A	TSPNB-40	661	TSPNC-40	743	TSPND-40	----
50-63A	TSPNB50-63	762	TSPNC50-63	808	TSPND50-63	----



<b>Double Pole</b>						
0.5-5A	TDPB0.5-5	----	TDPC0.5-5	698	TDPD0.5-5	734
6-32A	TDPB6-32	532	TDPC6-32	569	TDPD6-32	606
40A	TDPB-40	743	TDPC-40	789	TDPD-40	863
50-63A	TDPB50-63	872	TDPC50-63	927	TDPD50-63	1010
80A	TDPB-80	----	TDPC-80	3231	TDPD-80	----



<b>Three Pole</b>						
0.5-5A	TTPB0.5-5	----	TTPC0.5-5	945	TTPD0.5-5	1010
6-32A	TTPB6-32	----	TTPC6-32	882	TTPD6-32	918
40A	TTPB-40	----	TTPC-40	1166	TTPD-40	1239
50-63A	TTPB50-63	----	TTPC50-63	1350	TTPD50-63	1414
80A	TTPB-80	----	TTPC-80	4655	TTPD-80	----



<b>Three Pole - N</b>						
0.5-5A	TTPNB0.5-5	----	TTPNC0.5-5	1276	TTPND0.5-5	----
6-32A	TTPNB6-32	----	TTPNC6-32	1111	TTPND6-32	----
40A	TTPNB-40	----	TTPNC-40	1487	TTPND-40	----
50-63A	TTPNB50-63	----	TTPNC50-63	1735	TTPND50-63	----



<b>Four Pole</b>						
0.5-5A	TFPB0.5-5	----	TFPC0.5-5	1404	TFPD0.5-5	1450
6-32A	TFPB6-32	----	TFPC6-32	1202	TFPD6-32	1202
40A	TFPB-40	----	TFPC-40	1579	TFPD-40	1661
50-63A	TFPB50-63	----	TFPC50-63	1790	TFPD50-63	1891
80A	TFPB-80	----	TFPC-80	6444	TFPD-80	----

**Techno MCB Isolator**



Rating Amps	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)
<b>Double Pole</b>			<b>Three Pole</b>		<b>Four Pole</b>	
40A	TIDP-40	339	TITP-40	642	TIFP-40	780
63A	TIDP-63	431	TITP-63	725	TIFP-63	808
80A	TIDP-80	560	TITP-80	826	TIFP-80	1001
100A	TIDP-100	578	TITP-100	881	TIFP-100	1019
125A	TIDP-125	606	TITP-125	899	TIFP-125	1055

**Techno MCB - Changeover Switch**

MCB Changeover switch conforms to IS : 13947 / part III & IEC 60947.

MCB Changeover switch provides changeover from Electricity Board supply to Generator Supply & Vice-Versa.



Double Pole

Four Pole

Rating Amps	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)
25	TCODP25	1008	TCOFP25	1737
40	TCODP40	1413	TCOFP40	2682
63	TCODP63	1746	TCOFP63	2979

**Techno MCB Accessories (Factory Fitted Only)**

Techno Auxiliary Contact



Description	Item Code	MRP Unit (₹)
Auxiliary Contact 1 No + 1 NC	AXU1NO+1NC	477
Shunt Trip 230V / 415V AC	-----	648
Under Voltage 230V / 415V AC	-----	540

TECHNO MCB Suitable for DC Voltage upto 220V

Rating Amps	Single Pole Item Code	MRP Unit (₹)	Double Pole Item Code	MRP Unit (₹)
0.5-5A	TSPDC0.5-5	303	TDPDC0.5-5	729
6-32A	TSPDC6-32	267	TDPDC6-32	558
40A	TSPDC-40	387	TDPDC-40	819
50-63A	TSPDC50-63	441	TDPDC50-63	927

**Residual Current Circuit Breakers**

Model F I-7 product of Moeller (A) Austria, made in India confirms to IEC/EN:61008 & IS:12640, 240/415V, 50 Hz, with 10KA Short Circuit withstand capacity.

HPL TECHNO RCCB - 2 Pole



Description	Sensitivity	Item Code	Width	MRP Unit (₹)
25A - 2Pole	30mA	25DP30mA	35mm	2151
25A - 2Pole	100mA	25DP100mA	35mm	2205
25A - 2Pole	300mA	25DP300mA	35mm	2205
40A - 2Pole	30mA	40DP30mA	35mm	2340
40A - 2Pole	100mA	40DP100mA	35mm	2457
40A - 2Pole	300mA	40DP300mA	35mm	2457
63A - 2Pole	30mA	63DP30mA	35mm	2925
63A - 2Pole	100mA	63DP100mA	35mm	2961
63A - 2Pole	300mA	63DP300mA	35mm	2961
80A - 2Pole	30mA	80DP30mA	35mm	4554
80A - 2Pole	100mA	80DP100mA	35mm	4563
80A - 2Pole	300mA	80DP300mA	35mm	4608

HPL TECHNO RCCB - 4 Pole



Description	Sensitivity	Item Code	Width	MRP Unit (₹)
25A - 4Pole	30mA	25FP30mA	70mm	2745
25A - 4Pole	100mA	25FP100mA	70mm	2763
25A - 4Pole	300mA	25FP300mA	70mm	2763
40A - 4Pole	30mA	40FP30mA	70mm	2799
40A - 4Pole	100mA	40FP100mA	70mm	2862
40A - 4Pole	300mA	40FP300mA	70mm	2862
63A - 4Pole	30mA	63FP30mA	70mm	3213
63A - 4Pole	100mA	63FP100mA	70mm	3249
63A - 4Pole	300mA	63FP300mA	70mm	3249
80A - 4Pole	30mA	80FP30mA	70mm	5121
80A - 4Pole	100mA	80FP100mA	70mm	5121
80A - 4Pole	300mA	80FP300mA	70mm	5121



**Rakshak Miniature Circuit Breakers (MCB)**

ISI Marked 240/415 V 50Hz, Tested at CPRI. Breaking capacity 6 KA.



IS : 8828  
  
CML-8515376

**6kA**

		B CURVE		C CURVE	
Rating Amps	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)	
<b>Single Pole</b>					
6-32A	RSPB6-32	137	RSPC6-32	145	
40A	RSPB-40	284	RSPC-40	294	
50-63A	RSPB50-63	330	RSPC50-63	376	
<b>Single Pole - N</b>					
6-32A	RSPNB6-32	431	RSPNC6-32	441	
40A	RSPNB-40	597	RSPNC-40	606	
50-63A	RSPNB50-63	643	RSPNC50-63	725	
<b>Double Pole</b>					
6-32A	RDPB6-32	459	RDPCB6-32	468	
40A	RDPB-40	633	RDPC-40	652	
50-63A	RDPB50-63	734	RDPC50-63	789	
<b>Three Pole</b>					
6-32A	RTPB6-32	-----	RTPC6-32	817	
40A	RTPB-40	-----	RTPC-40	1074	
50-63A	RTPB50-63	-----	RTPC50-63	1203	
<b>Three Pole - N</b>					
6-32A	RTPNB6-32	-----	RTPNC6-32	992	
40A	RTPNB-40	-----	RTPNC-40	1294	
50-63A	RTPNB50-63	-----	RTPNC50-63	1404	
<b>Four Pole</b>					
6-32A	RFPB6-32	-----	RFPC6-32	1102	
40A	RFPB-40	-----	RFPC-40	1377	
50-63A	RFPB50-63	-----	RFPC50-63	1542	

**Rakshak MCB Isolator**

Rating Amps	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)
<b>Double Pole</b>			<b>Three Pole</b>		<b>Four Pole</b>	
40A	RIDP-40	312	RITP-40	578	RIFP-40	698
63A	RIDP-63	385	RITP-63	642	RIFP-63	725

**MCB Distribution Boards System**

**EX Range - Single Door DB's**

MCB Distribution Boards Sheet steel, Powder coated DB's suitable for MCB's, fitted with Bus Bar, Neutral Link, Earth Bar and Din Rail (Conforms to IS : 13032 - 1991)

Single Phase & Neutral

Three Phase & Neutral



No. of Ways	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)
4	EXDBSD04	500	EXDBTD0	1647
6	EXDBSD06	554	EXDBTD06	1962
8	EXDBSD08	630	EXDBTD08	2187
12	EXDBSD12	846	EXDBTD12	2862
16	EXDBSD16	1053	-----	-----

**DX Range - Single Door DB's**

MCB Distribution Boards Sheet steel, Powder coated DB's suitable for MCB's, fitted with Bus Bar, Neutral Link, Earth Bar and Din Rail (Conforms to IS : 13032 - 1991) in TWO TONE COLOUR

Single Phase & Neutral

Three Phase & Neutral



No. of Ways	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)
4	DXDBSD04	603	DXDBTD04	1809
6	DXDBSD06	639	DXDBTD06	2178
8	DXDBSD08	765	DXDBTD08	2574
12	DXDBSD12	1008	DXDBTD12	3546
16	DXDBSD16	1250	-----	-----

**Double Door DB's**

Double Door MCB Distribution Boards Sheet steel, Powder coated DB's suitable for MCB's, fitted with Bus Bar, Neutral Link, Earth Bar and Din Rail (Conforms to IS : 13032 - 1991) TWO TONE COLOUR



Single Phase & Neutral			Three Phase & Neutral	
No. of Ways	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)
4	DBDD04	840	DBTDD04	2358
6	DBDD06	1062	DBTDD06	2916
8	DBDD08	1107	DBTDD08	3690
10	DBDD10	1278	-----	-----
12	DBDD12	1449	DBTDD12	5067
16	DBDD16	1836	-----	-----

**Double Door with Acrylic Cover**

MCB Distribution Boards Sheet steel, Powder coated DB's acrylic cover for MCB's, fitted with Bus Bar, Neutral Link, Earth Bar and Din Rail (Conforms to IS : 13032 - 1991)



Single Phase & Neutral			Three Phase & Neutral	
No. of Ways	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)
4	DBDDA04	918	DBTDDA04	2619
6	DBDDA06	1116	DBTDDA06	3132
8	DBDDA08	1224	DBTDDA08	3843
12	DBDDA12	1602	DBTDDA12	5283
14	DBDDA14	1701	-----	-----
16	DBDDA16	1980	-----	-----

**Vertical Distribution Board**

Multiphase outgoings suitable for mounting HPL or equivalent\* MCCB as Incomer of rating upto 160 Amp  
Single Door (without MCCB)

Double Door (without MCCB)



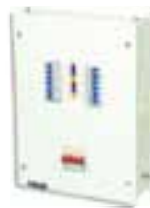
No. of Ways	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)
4	DBVSD04160TAB	4788	DBVDD04160TAB	6426
8	DBVSD08160TAB	6237	DBVDD08160TAB	7272
12	DBVSD12160TAB	7587	DBVDD12160TAB	8667

\* For Equivalent brand prices are available on request

**Vertical Distribution Board**

Vertical Distribution Board For Multiphase Outgoings with / without 63Amp, 4 Pole Techno Isolator as incomer  
Single Door

Double Door



No. of Ways	(without Isolator)		(with Isolator)		(without Isolator)		(with Isolator)	
	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)
4	DBVSD04	4095	DBVSD04-ISO	5094	DBVDD04	5787	DBVDD04-ISO	6813
8	DBVSD08	5625	DBVSD08-ISO	6408	DBVDD08	6912	DBVDD08-ISO	7650
12	DBVSD12	7227	DBVSD12-ISO	7830	DBVDD12	8739	DBVDD12-ISO	9333

**Stainless Steel Double Door Distribution Boards**



Single Phase & Neutral			Three Phase & Neutral	
No. of Ways	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)
4	DBDD04-SS	1242	DBTDD04-SS	3402
6	DBDD06-SS	1494	DBTDD06-SS	4338
8	DBDD08-SS	1665	DBTDD08-SS	5292
12	DBDD12-SS	2250	DBTDD12-SS	7371
16	DBDD16-SS	2736	-----	-----

**MCB Enclosures Fitted with DIN Rail**



Plastic Enclosure			Sheet Steel Enclosure	
No. of Ways	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)
2	DBPE01/02	111	DBSS01/02	213
4	DBPE03/04	157	DBSS03/04	250

**HPL - Phase Selector Distribution Board**



HPL Phase Selector DB in Sheet Steel Enclosure, Power coated has one compartment with 3 Nos HPL Elektra Selector Switches and indicating light duly wired suitable for use on 240/415V 50 Hz supply.

Description	Item Code	MRP Unit (₹)
40 Amp 1P + 3 way + OFF	HPSDB-40913	4419
63 Amp 1P + 3way + OFF	HPSDB-63913	5067

HPL Horizontal type Phase Selector DB in Sheet Steel Enclosure powder coated DB has two separate compartments for MCB's and Phase selector switches with indicating lights, fitted with Bus Bar, Neutral Link. Earth Bar, DB consists of 3 Nos HPL-Elektra selector switches with indicating lights duly wired suitable for use on 240 / 415V, 50 Hz supply & provision for 4P, 63A Isolator as incomer.



Description	Item Code	Single Door		Double Door	
		MRP Unit (₹)	Item Code	MRP Unit (₹)	Item Code
4 way DB with 40A selector Switch	PSDBSD440	4995	PSDBDD440	5625	PSDBDD440
6 way DB with 40A selector Switch	PSDBSD640	5292	PSDBDD640	5742	PSDBDD640
8 way DB with 40A selector Switch	PSDBSD840	5742	PSDBDD840	6237	PSDBDD840
4 way DB with 63A selector Switch	PSDBSD463	6345	PSDBDD463	7434	PSDBDD463
6 way DB with 63A selector Switch	PSDBSD663	6642	PSDBDD663	7488	PSDBDD663
8 way DB with 63A selector Switch	PSDBSD863	7119	PSDBDD863	8001	PSDBDD863

**Consumer Unit DB's**

Single Phase - With / without plastic cover  
Consumer units, sheet steel, powder coated, fitted with bus bar, neutral link, earth bar and din rail



No. of Ways	Without Isolator		With Isolator	
	Item Code	MRP Unit (Rs.)	Item Code	MRP Unit (₹)
2+4	DBCUSPWO04	702	DBCUSP0463	1098
2+6	DBCUSPWO06	846	DBCUSP0663	1243
2+8	DBCUSPWO08	918	DBCUSP0863	1287
2+10	DBCUSPWO10	1080	DBCUSP1063	1458
2+12	DBCUSPWO12	1170	DBCUSP1263	1539

**TV / TEL Socket DB's**

Double door sheet steel powder coated Distribution system, fitted with Bus-bar, Neutral bar, Earth bar having telephone socket & TV co-axial socket suitable for apartments.



No. of Ways	Item Code	MRP Unit (₹)
2+6	DBDDTVTL2+06	2530
2+8	DBDDTVTL2+08	2691
2+10	DBDDTVTL2+10	2817
2+12	DBDDTVTL2+12	3042
9+9	DBDDTVTL9+9	3573
12+12	DBDDTVTL12+12	4878

**Per Phase Isolation Double Door DB's**



No. of Ways	Item Code	MRP Unit (₹)
2+4	DBPPI04	5301
2+6	DBPPI06	5625
2+8	DBPPI08	5985
2+10	DBPPI10	7074
2+12	DBPPI12	7686

**Pre-Wired DB's**

Double door sheet steel powder coated distribution system, fitted with Bus-bar, Terminal blocks for incoming / outgoing phase, Neutral & Earthing duly wired with provision of ISO RCCB / MCB at incoming & SP outgoing.



No. of Ways	Item Code	MRP Unit (₹)
2+4	DBPWDDSP04	2628
2+6	DBPWDDSP06	2853
2+8	DBPWDDSP08	3186
2+10	DBPWDDSP10	3924
2+12	DBPWDDSP12	4122
2+16	DBPWDDSP16	4950
8+12	DBPWDDTP04	7254
8+18	DBPWDDTP06	9306
8+24	DBPWDDTP08	10206
8+36	DBPWDDTP12	12573

**Tier DB's**

Single / Double / Tripple / four row, sheet steel powder coated Single / Double door Distribution System, Fitted with Bus-bar, Neutral bar, Earth bar suitable for use on 240 V, 50 Hz supply, SP/MP outgoing.



No. of Ways	Single Row			Double Row			Triple Row			Four Row		
	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)
10	DBDDRS10	1350	DBDDRD10	2106	DBDDRT10	3474	DBDDRF10	5841				
12	DBDDRS12	1521	DBDDRD12	2358	DBDDRT12	3888	DBDDRF12	6588				
14	DBDDRS14	1719	DBDDRD14	2610	DBDDRT14	4293	DBDDRF14	7299				
16	DBDDRS16	1890	DBDDRD16	2862	DBDDRT16	4707	DBDDRF16	8037				

**Cable end Box**

No. of Ways	Single Door				Double Door			
	Single Phase & Neutral		Three Phase & Neutral		Single Phase & Neutral		Three Phase & Neutral	
	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)
4	CBSD04	279	CBTD04	603	CBDD04	378	CBTDD04	612
6	CBSD06	306	CBTD06	666	CBDD06	405	CBTDD06	729
8	CBSD08	360	CBTD08	792	CBDD08	450	CBTDD08	864
12	CBSD12	423	CBTD12	1071	CBDD12	549	CBTDD12	1224
16	CBSD16	522	-----	-----	CBDD16	711	-----	-----

**Cable end Box - Vertical**

No. of Ways	Single Door		Double Door	
	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)
4	CBVSD04	810	CBVDD04	999
8	CBVSD08	810	CBVDD08	999
12	CBVSD12	810	CBVDD12	999

**Spare Parts for MCB Distribution Board**

**Spare DIN Rails**

No. of DIN Rail	Item Code	Length of Poles / Ways	MRP Unit (₹)
1/2	DBS35	35mm	18
4	DBS100	100mm	27
6	DBS135	135mm	27
8	DBS165	165mm	27
12	DBS220	220mm	36
16	DBS290	290mm	45

**Spare Copper Bus Bar (With incoming contact)**

No. of Ways	Item Code	MRP Unit (₹)
4	SPB04	99
6	SPB06	117
8	SPB08	153
12	SPB12	180
16	SPB16	198
Blanking Plate		
1 Pole	SPBP1	11
1/21 Pole	SPBP2	9

**Spare Neutral Links for All MCB Boards**

No. of Ways	Item Code	MRP Unit (₹)
Cutouts 1	-----	36
Cutouts 3	-----	45
SPN 4	SPC4	81
SPN 8	SPC8	99
SPN 12	SPC12	117
SPN 16	SPC16	171
TPN 4	SPCT4	117
TPN 8	SPCT8	216
TPN 12	SPCT12	261

**Plug & Socket Boards**

Enclosure with 2 pole and earth Metal Plug & Socket for incorporating SP & TP MCB (Without MCB)



Rating Amps.	Item Code SP & N	MRP Unit (₹)	Item Code TP & N	MRP Unit (₹)
10A	DBSP10	711	-----	-----
20A	DBSP20	738	DBTP20	1422
30A	-----	-----	DBTP30	1899

Enclosure fitted with Techno (10KA) and Rakshak (6KA) MCB - 'C' Curve Techno MCB

Rating Amps.	Techno MCB			Rakshak MCB		
	Item Code SP & N	MRP Unit (₹)	Item Code TP & N	Item Code SP & N	MRP Unit (₹)	Item Code TP & N
10A	DBSPMT10	810	-----	DBSPMR10	792	-----
20A	DBSPMT20	819	DBTPMT20	DBSPMR20	801	DBTPMR20
30A	-----	-----	DBTPMT30	-----	-----	DBTPMR30

**Metal Clad Industrial Plug & Socket**



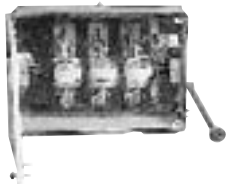
Cat No.	Plug			Socket	
	Rating	Item Code	MRP Unit (₹)	Item Code	MRP Unit (₹)
2 Pole + Earth 250V	10A	HP2P10	148	HP2S10	148
2 Pole + Earth 250V	20A	HP2P20	167	HP2S20	176
3 Pole + Earth 440V	20A	HP3P20	204	HP3S20	213
3 Pole + Earth 440V	30A	HP3P30	360	HP3S30	360

**HPL - Fuse Switch Units**

In Sheet enclosure, Powder Coated, Weather proof conforming to IS : 13947 - (Part 3) 1993

Triple Pole With Neutral

Four Pole



Rating Amps	Item Code TPN	W/O HRC Fuse MRP Unit (₹)	Item Code TPN	WITH HRC Fuse MRP Unit (₹)	Item Code FP	W/O HRC Fuse MRP Unit (₹)	Item Code FP	WITH HRC FUSE MRP UNIT (₹)	Type of Fuses
63/415	FSSHR4TPN63	6075	FSSFHR4TPN63	6300	FSSHR4FP63	7425	FSSFHR4FP63	7704	LKTSS
100/415	FSSHR4TPN100	7965	FSSFHR4TPN100	8523	FSSHR4FP100	10170	FSSFHR4FP100	10773	LKTSD
200/415	FSSHR4TPN200	12672	FSSFHR4TPN200	14040	FSSHR4FP200	15057	FSSFHR4FP200	16056	LKTSF
320/415	FSSHR4TPN320	15525	FSSFHR4TPN320	16362	FSSHR4FP320	19305	FSSFHR4FP320	20448	LKTSK
400/415	FSSHR4TPN400	21150	FSSFHR4TPN400	23373	FSSHR4FP400	29520	FSSFHR4FP400	31878	LKTSMS
500/415	FSSHR4TPN500	30105	FSSFHR4TPN500	33183	FSSHR4FP500	37233	FSSFHR4FP500	39699	LKTTS
800/415	FSSHR4TPN800	38232	FSSFHR4TPN800	41364	FSSHR4FP800	45603	FSSFHR4FP800	47997	LKTMT

N.B.: 800A Fuse Switch Units fitted with 630A HRC Fuses.

**HPL - Switch Fuse Units**

In Sheet enclosure, Powder Coated, Weather proof conforming to IS : 13947 - (Part 3) 1993 with Rewirable & HRC cum Rewirable upto 100A porcelain fuse unit.



Single Pole with Neutral

Double Pole

Triple Pole With neutral

TPN Fitted with HRC Fuses

Item Code	Amps Volts	MRP Unit (₹)	Item Code	Amps Volts	MRP Unit (₹)	Item Code	Amps Volts	MRP Unit (₹)	Item Code	Amps Volts	MRP Unit (₹)	Type of Fuses
SFSRW2SPN16	16/240	522	SFSRW2DP16	16/240	540	SFSRW4TPN16	16/415	1539	-	-	-	-
SFSRW2SPN32	32/240	1242	SFSRW2DP32	32/240	1332	SFSHR4TPN16	16/415	1539	SFSFHR4TPN16	16/415	1530	NS
SFSRW2SPN63	63/240	3006	SFSRW4DP32	32/415	1944	SFSRW4TPN32	32/415	1944	-	-	-	-
			SFSRW4DP63	63/415	3465	SFSHR4TPN32	32/415	1944	SFSFHR4TPN32	32/415	1944	TSA
						SFSSD4TPN63	63/415	4086	-	-	-	-
						SFSDX4TPN63	63/415	4374	-	-	-	-
						SFSHR4TPN63	63/415 DLX	4374	SFSFHR4TPN63	63/415	4797	TSS
						SFSSD4TPN100	100/415	7623	-	-	-	-
						SFSDX4TPN100	100/415	7992	-	-	-	-
						SFSHR4TPN100	100/415 DLX	7992	SFSFHR4TPN100	100/415	7965	TSD
						SFSRW4TPN200	200/415	12348	-	-	-	-
						SFSRW4TPN320	320/415	15273	-	-	-	-

**HPL fuse Units (Kit-Kats) in Porcelain**

Conforms to IS : 2086, 1993



Item Code	Amps / V	MRP Unit (₹)
FUB2RW16	16/240	90
FUB2RW32	32/240	171
FUB4RW16	16/415	171
FUB4HR16	16/415	171
FUB4RW32	32/415	216
FUB4HR32	32/415	216
FUB4SD63	63/415	333
FUB4DX63	63/415	387
FUB4HR63	63/415	387
FUB4RWE63	63/415	666
FUB4SD100	100/415	612
FUB4DX100	100/415	693
FUB4HR100	100/415	693
FUB4RWE100	100/415	1170
FUB4RW200	200/415	1224
FUB4RWE200	200/415	1422
FUB4RW320	320/415	1773
FUB4RWE320	320/415	2088

N.B.: All EXTN. model are provided with copper strip.

**HPL - Isolators**

Conforms to IS : 13947(part-3) 1993



Triple Pole With Neutral

Item Code	Amps / V	MRP Unit (₹)
IS4TPN16	16/415	972
IS4TPN32	32/415	1440
IS4TPN63	63/415	2754
IS4TPN100	100/415	5130
IS4TPN200	200/415	11358
IS4TPN320	320/415	14796
IS4TPN400	400/415	24102
IS4TPN500	500/415	31851
IS4TPN1800	800/415	42651

**HPL - Changeover Switch**

In Sheet enclosure, Powder Coated, Weather proof conforming to IS : 13947 - (Part 3) 1993  
(On Load Side Handle Operated)

Double Pole

Four Pole

Item Code	Amps / Volts	MRP Unit (₹)	Item Code	Amps / Volts	MRP Unit (₹)
COS2DP16	16/240	1008	COS4FP16	16/415	2277
COS2DP32	32/240	1548	COS4FP32	32/415	2736
COS2DP63	63/240	2952	COS4FP63	63/415	5544
			COS4FP100	100/415	11142

Four Pole Off Load Side Handle Operated

COS4FP200	200/415	16497
COS4FP320	320/415	20241
COS4FP400	400/415	26442
COS4FP500	500/415	31347
COS4FP630	630/415	41337
COS4FP800	800/415	51534
COS4FP1000	1000/415	71856
COS4FP1250	1250/415	154350
COS4FP1500	1500/415	178128
COS4FP2000	2000/415	250866

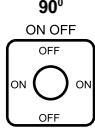




**HPL - Elektra Cam Switches**



Switching Position 90°



TWO WAY NO OFF



TWO WAY WITH OFF



THREE WAY NO OFF



THREE WAY WITH OFF



FOUR WAY NO OFF



FOUR WAY WITH OFF 60°



FIVE WAY WITH OFF 60°



SIX WAY NO OFF 60°



SEVEN WAY WITH OFF 45°



EIGHT WAY NO OFF 45°



Pole	Prog.	V2N 16 A	V2N 25 A	V3N 32 A	V3N 40 A	VN 63 A
		MRP Unit (₹)	MRP Unit (₹)	MRP Unit (₹)	MRP Unit (₹)	MRP Unit (₹)
1P	141751	189	198	207	288	333
2P	141752	198	243	261	351	432
3P	141753	234	288	306	432	594
4P	141754	252	360	387	450	720
1P	141814	225	243	261	351	396
2P	141815	261	270	324	504	531
3P	141816	315	360	432	621	720
4P	141817	396	432	531	747	864
5P	141818	531				
6P	141819	648				
8P	141821		855			
1P	141826	234	243	261	351	432
2P	141827	261	270	333	504	720
3P	141828	333	360	396	621	990
4P	141829	396	432	531	747	1224
5P	141830	531				
6P	141831	648				
1P	141878	261	306	324	531	594
2P	141879	315	360	369	567	648
3P	141880	495	540	567	792	981
4P	141881	594	648	657	1035	1233
1P	141913	261	279	306	522	576
2P	141914	315	360	369	567	648
3P	141915	486	531	567	792	981
4P	141916	594	648	657	1035	1233
1P	141917	270	333	351	594	648
2P	141918	333	396	432	612	792
3P	141919	531	666	720	792	981
4P	141920	594	792	855	1035	1233
1P	141881	360	369	369	558	720
2P	141882	423	396	441	612	792
3P	141883	531	666	738	792	1035
4P	141884	630	792	864	1035	1341
1P	141889	360	486	522	603	720
2P	141890	486	792	792	801	981
3P	141891	882	954	963	981	1305
4P	141892	1017	1035	1080	1080	1377
1P	141893	351	495	531	585	-
2P	141894	495	477	801	810	1035
3P	141895	873	954	963	981	1440
1P	141901	387	513	531	558	855
2P	141902	594	801	810	819	1251
3P	141903	954	1080	981	990	1836
1P	141885	423	522	558	612	882
2P	141886	621	810	819	855	1377
3P	141887	954	1080	1089	1098	1962

## HPL - Elektra Cam Switches



Switching Position

60°



2 WAY NO OFF



2 WAY WITH OFF



3 WAY NO OFF



3 WAY WITH OFF



4 WAY NO OFF



4 WAY WITH OFF



5 WAY NO OFF



5 WAY WITH OFF



6 WAY NO OFF



6 WAY WITH OFF 45°



7 WAY NO OFF 45°



7 WAY WITH OFF



8 WAY NO OFF



Pole	Prog.	VON 6 A		V1N 10 A	
		MRP Unit (₹)	MRP Unit (₹)	MRP Unit (₹)	MRP Unit (₹)
1P	141601	90	162		
2P	141602	117	180		
3P	141603	135	225		
4P	141604	144	234		
1P	141611	117	180		
2P	141612	144	234		
3P	141613	171	297		
4P	141614	216	351		
1P	141621	117	180		
2P	141622	144	234		
3P	141623	171	297		
4P	141624	216	351		
5P	141625				
6P	141626	306			
1P	141631	117	216		
2P	141632	171	252		
3P	141633	252	306		
4P	141634	306	387		
1P	141641	135	216		
2P	141642	171	252		
3P	141643	252	306		
4P	141644	306	387		
1P	141651	144	243		
2P	141652	180	261		
3P	141653	261	324		
4P	141654	387	450		
1P	141661	144	225		
2P	141662	252	261		
3P	141663	306	351		
4P	141664	405	450		
1P	141671	162	243		
2P	141672	270	288		
3P	141673	306	396		
1P	141674	162	234		
2P	141675	279	288		
3P	141676	342	396		
1P	141681	171	252		
2P	141682	288	288		
3P	141683	351	396		
1P	141684	216	288		
2P	141685	369	396		
3P	141686	486	603		
1P	141691	216	288		
2P	141692	378	396		
3P	141693	486	603		
1P	141694	216	414		
2P	141695	378	405		
3P	141696	486	603		
1P	141697	225	297		
2P	141698	414	468		
3P	141699	522	621		

## Switches for Motor Duty



Switching Position

OFF - ON 60°



FOR. OFF. REV.



STAR . DELTA



2 SP.FORW



2 SP.FOR- REV.



AMMETER SELECTOR



Switching Position

90°

VOLTMETER SELECTOR



CONTROL SWITCHES



Pole	Prog.	VON 6A	V1N 10A	V2N 16A	V2N 25A	V3N 32A	V3N 40A	VN32 63A
		MRP Unit (₹)	MRP Unit (₹)	MRP Unit (₹)	MRP Unit (₹)	MRP Unit (₹)	MRP Unit (₹)	MRP Unit (₹)
3P	141838	-	-	-	666	819	954	1134
3P	141775	-	-	-	324	405	954	1134
3P	141784	-	-	-	549	954	1197	-
3P	141785	-	-	-	711			-
	141801	-	-	-	774	-	-	-
	141802	-	-	-	774	864	-	-
	141803	-	-	-	774	-	-	-
3P	141793	-	-	-	774	864	-	-
3P	142124	171	-	-	-	-	-	To read current with CT
3P	142121	-	-	-	-	-	-	To read current without CT

Pole	Prog.	VON 6A		V1N 10A		Description
		MRP Unit (₹)	MRP Unit (₹)	MRP Unit (₹)	MRP Unit (₹)	
3P	141863	135	180			To read 3 phases
3P	141860	135	216			To read 3 Ph + N
3P	141869	234	423			To read 3 Ph + 3 Ph.N
3P	141866	234	423			To read 3Ph + 3Ph.N without off.
1P	141932	-	351			Spring return
2P	141931	-	387			Stop - Start
1P	141935	-	468			Start - Stop
2P	141930	-	603			
1P	141938	-	432			Both side
2P	141947	-	612			spring return

## Single Hole Mounting - Attachment Only



Code	Hole Size	VON 6A	V1N 10A
		MRP Unit (₹)	MRP Unit (₹)
SHM	16.5	54	54

Note : Above prices are only for single hole mounting attachment & not for switch. The order for switch has to be placed separately. Please specify the code 'SHM' while ordering.



The Power of Technology

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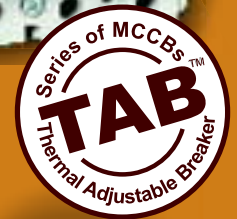
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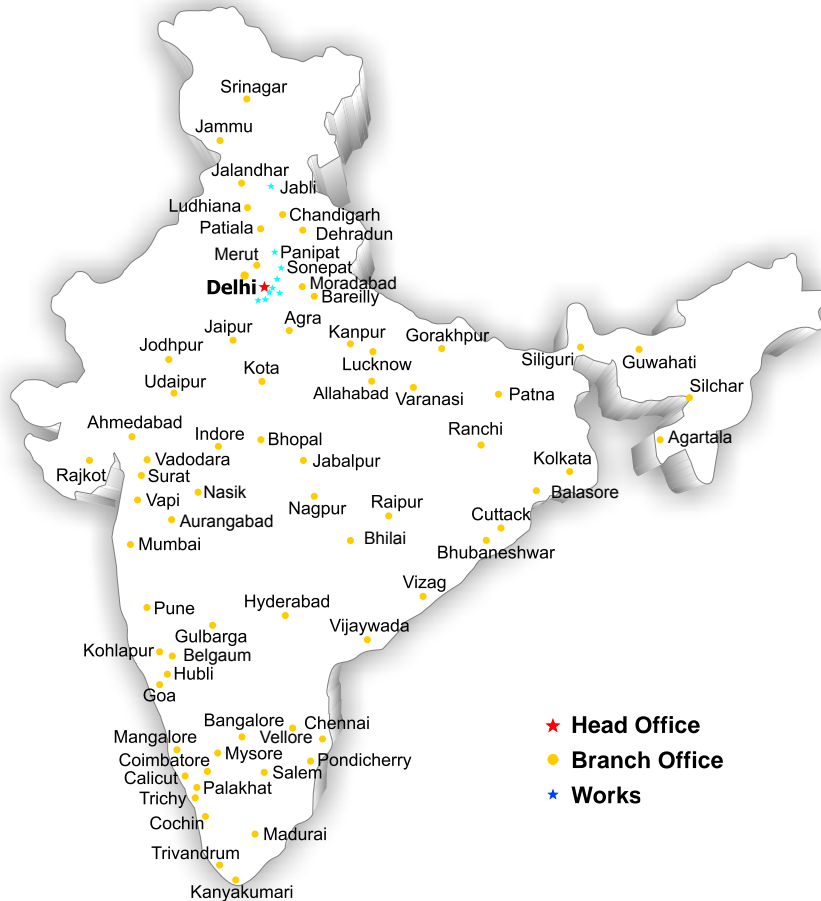
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