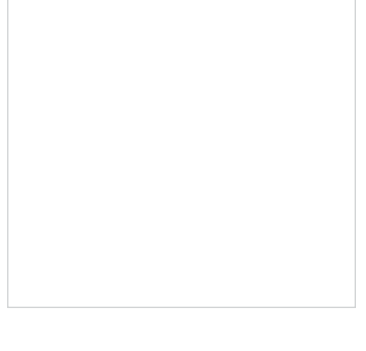
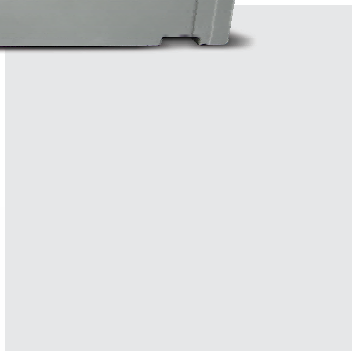
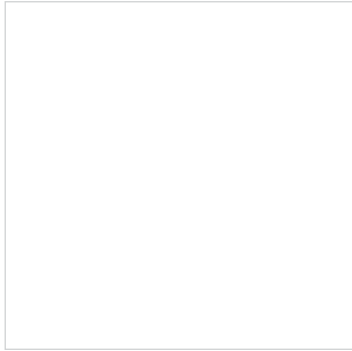
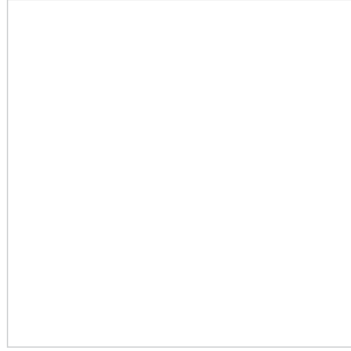
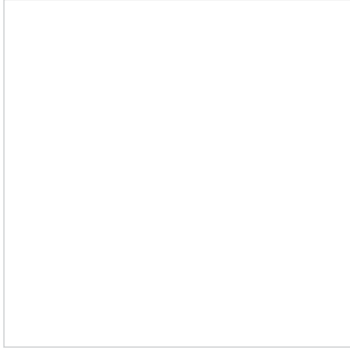
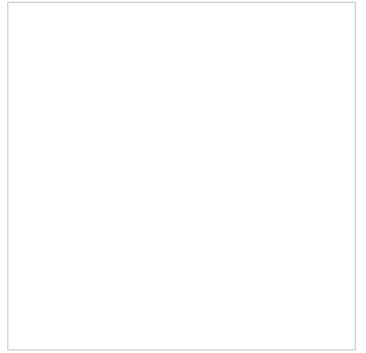
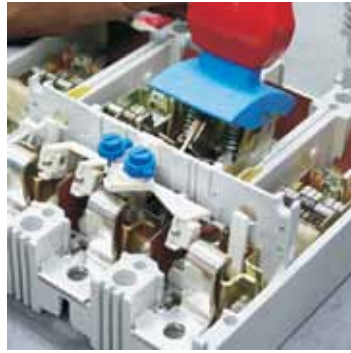
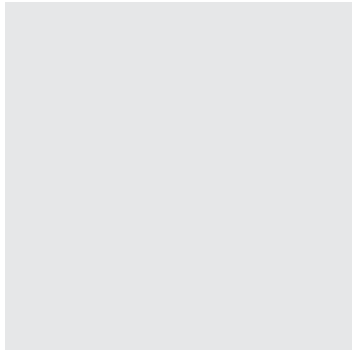


Industrial Circuit Protection



PRICE LIST w.e.f. 1st May, 2012



Industrial Product

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Terms & Conditions

- ☐ Prices are in Indian ₹.
- ☐ All prices are on Maximum Retail Price (MRP) basis inclusive of Excise Duty and VAT/Sales Tax. Freight / Delivery charges if paid by Havells shall be on behalf of customer only.
- ☐ Goods are despatched by us on Purchaser's risk. All claims for loss, damage or shortage will be filed by the Purchasers directly with the carriers.
- ☐ Disputes, if any are subject to Delhi jurisdiction only.
- ☐ This Price List supersedes all our previous Price Lists.
- ☐ Prices are subject to change without notice.
- ☐ Company reserves the right to issue amendments, which may arise due to any errors in the price list.



Motor Controlgear



Control Relay with AC Coil

Frame size	I _{th}	Contact arrangement		Type	Cat. No	Unit MRP ₹
		NO	NC			
1	10A	2	2	CRN1-22*	IHACR 22*	750
		3	1	CRN1-31*	IHACR 31*	750
		4	0	CRN1-40*	IHACR 40*	750



Control Relay with DC Coil

Frame size	I _{th}	Contact arrangement		Type	Cat. No	Unit MRP ₹
		NO	NC			
1	10A	2	2	CRD1-22*	IHDCR 22*	1,130
		3	1	CRD1-31*	IHDCR 31*	1,130
		4	0	CRD1-40*	IHDCR 40*	1,130



Contactor 3-Pole with AC Coil (9A to 95A)

Frame Size	AC-3 Duty Rating at 415V, 50 Hz			AC-1 Duty Rating at 415V, 50 Hz	Power Poles	Auxiliary Contact Arrangement		Type	Cat. No	Unit MRP ₹
	I _e Amp.	Kw.	HP			NO	NC			
1	9	4	5.0	25	3	1	0	CN1 09 T10*	IHPAA009110*	695
	9	4	5.0	25	3	0	1	CN1 09 T01*	IHPAA009101*	695
	12	5.5	7.5	25	3	1	0	CN1 12 T10*	IHPAA012110*	780
	12	5.5	7.5	25	3	0	1	CN1 12 T01*	IHPAA012101*	780
2	18	9	12.5	32	3	1	0	CN2 18 T10*	IHPAA018210*	900
	18	9	12.5	32	3	0	1	CN2 18 T01*	IHPAA018201*	900
3	25	11	15	40	3	1	0	CN3 25 T10*	IHPAA025310*	1,195
	25	11	15	40	3	0	1	CN3 25 T01*	IHPAA025301*	1,195
4	32	15	20	50	3	1	0	CN4 32 T10*	IHPAA032410*	2,510
	32	15	20	50	3	0	1	CN4 32 T01*	IHPAA032401*	2,510
5	40	22	30	60	3	1	1	CN5 40 T11*	IHPAA040511*	3,625
	50	25	35	80	3	1	1	CN5 50 T11*	IHPAA050511*	4,800
	65	37	50	80	3	1	1	CN5 65 T11*	IHPAA065511*	6,195
6	80	45	60	125	3	1	1	CN6 80 T11*	IHPAA080611*	8,085
	95	45	60	125	3	1	1	CN6 95 T11*	IHPAA095611*	9,450



*To complete the Cat no. suffix the coil voltage from the coil voltage table

- Note:
1. For additional aux. contacts front/side mounted and mechanical interlock - refer accessories table.
 2. Non standard coil voltages are supplied on request.

AC Coils

Code*	A	C	E	G	H	J	K	W
AC Voltage	24V	48V	110V	220V	240V	380V	415V	260V - 415V





Contactor 3-Pole with AC coil (115A to 630A)								
Frame Size	AC-3 Duty Rating at 415V, 50 Hz			AC-1 Duty Rating at 415V, 50 Hz	Power Poles	Type	Cat. No	Unit MRP ₹
	I _g Amp.	Kw.	HP	I _{th} Amp.				
1	115	59	75	200	3	CH1 115 T*	IHPAA115100*	10,920
	150	80	100	250	3	CH1 150 T*	IHPAA150100*	14,385
2	185	100	125	275	3	CH2 185 T*	IHPAA185200*	19,585
	225	110	150	315	3	CH2 225 T*	IHPAA225200*	22,050
3	265	132	180	350	3	CH3 265 T*	IHPAA265300*	25,725
4	330	180	220	400	3	CH4 330 T*	IHPAA330400*	30,555
5	400	220	270	500	3	CH5 400 T*	IHPAA400500*	38,850
6	500	280	340	700	3	CH6 500 T*	IHPAA500600*	53,340
7	630	375	450	1000	3	CH7 630 T*	IHPAA630700*	73,500



Contactor 4-Pole with AC Coil (9A to 95A)					
Frame Size	AC-1 Duty Rating at 415V, 50 Hz	Power Poles	Type	Cat. No	Unit MRP ₹
	I _{th} Amp.				
1	25	4	CN1 09 F*	IHPAC009100*	1,005
	25	4	CN1 12 F*	IHPAC012100*	1,005
3	40	4	CN3 25 F*	IHPAC025300*	1,735
5	60	4	CN5 40 F*	IHPAC040500*	4,200
	80	4	CN5 50 F*	IHPAC050500*	5,715
	80	4	CN5 65 F*	IHPAC065500*	6,335
6	125	4	CN6 80 F*	IHPAC080600*	8,730
	125	4	CN6 95 F*	IHPAC095600*	9,450



Contactor 4-Pole with AC coil (115A to 630A)					
Frame Size	AC-1 Duty Rating at 415V, 50 Hz	Power Poles	Type	Cat. No	Unit MRP ₹
	I _{th} Amp.				
1	200	4	CH1 115 F*	IHPAC115100*	15,805
	250	4	CH1 150 F*	IHPAC150100*	18,585
2	275	4	CH2 185 F*	IHPAC185200*	26,775
	315	4	CH2 225 F*	IHPAC225200*	28,665
3	350	4	CH3 265 F*	IHPAC265300*	30,975
4	400	4	CH4 330 F*	IHPAC330400*	39,900
5	500	4	CH5 400 F*	IHPAC400500*	45,885
6	700	4	CH6 500 F*	IHPAC500600*	67,200
7	1000	4	CH7 630 F*	IHPAC630700*	1,02,900

*To complete the Cat no. suffix the coil voltage from the coil voltage table

- Note:
- For additional aux. contacts front/side mounted and mechanical interlock - refer accessories table.
 - Non standard coil voltages are supplied on request.



AC Coils							
Code*	A	C	E	G	H	J	K
AC Voltage	24V	48V	110V	220V	240V	380V	415V

Contactor 3 Pole with DC Coil (9A to 95A)

Frame Size	AC-3 Duty Rating at 415V, 50 Hz			AC-1 Duty Rating at 415V, 50 Hz	Power Poles	Auxiliary Contact Arrangement		Type	Cat. No	Unit MRP
	I _e Amp.	Kw.	HP	I _{th} Amp.		NO	NC			
1	9	4	5.0	25	3	1	0	CD1 09 T10*	IHPAB009110*	990
	9	4	5.0	25	3	0	1	CD1 09 T01*	IHPAB009101*	990
	12	5.5	7.5	25	3	1	0	CD1 12 T10*	IHPAB012110*	1,075
	12	5.5	7.5	25	3	0	1	CD1 12 T01*	IHPAB012101*	1,075
2	18	9	12.5	32	3	1	0	CD2 18 T10*	IHPAB018210*	1,275
	18	9	12.5	32	3	0	1	CD2 18 T01*	IHPAB018201*	1,275
3	25	11	15	40	3	1	0	CD3 25 T10*	IHPAB025310*	1,945
	25	11	15	40	3	0	1	CD3 25 T01*	IHPAB025301*	1,945
4	32	15	20	50	3	1	0	CD4 32 T10*	IHPAB032410*	3,815
	32	15	20	50	3	0	1	CD4 32 T01*	IHPAB032401*	3,815
5	40	22	30	60	3	1	1	CD5 40 T11*	IHPAB040511*	5,055
	50	25	35	80	3	1	1	CD5 50 T11*	IHPAB050511*	6,930
	65	37	50	80	3	1	1	CD5 65 T11*	IHPAB065511*	7,080
6	80	45	60	125	3	1	1	CD6 80 T11*	IHPAB080611*	9,440
	95	45	60	125	3	1	1	CD6 95 T11*	IHPAB095611*	12,130


Contactor 3 Pole with DC coil (115A to 630A)

Contactors & Fuses with DC coil (115A to 650A)								
Frame Size	AC-3 Duty Rating at 415V, 50 Hz			AC-1 Duty Rating at 415V, 50 Hz	Power Poles	Type	Cat. No	Unit MRP ₹
	I _e Amp.	Kw.	HP	I _{th} Amp.				
1	115	59	75	200	3	CH1 115 T*	IHPAB115100*	12,245
	150	80	100	250	3	CH1 150 T*	IHPAB150100*	16,380
2	185	100	125	275	3	CH2 185 T*	IHPAB185200*	21,305
	225	110	150	315	3	CH2 225 T*	IHPAB225200*	23,615
3	265	132	180	350	3	CH3 265 T*	IHPAB265300*	26,870
4	330	180	220	400	3	CH4 330 T*	IHPAB330400*	30,860
5	400	220	270	500	3	CH5 400 T*	IHPAB400500*	39,795
6	500	280	340	700	3	CH6 500 T*	IHPAB500600*	57,215
7	630	375	450	1000	3	CH7 630 T*	IHPAB630700*	91,350


Contactor 4-Pole with DC Coil (9A to 95A)

Frame Size	AC-1 Duty Rating at 415V, 50 Hz	Power Poles	Type	Cat. No	Unit MRP ₹
	I _{th} Amp.				
1	25	4	CD1 09 F*	IHPAD009100*	1,420
	25	4	CD1 12 F*	IHPAD012100*	1,525
3	40	4	CD3 25 F*	IHPAD025300*	2,805
5	60	4	CD5 40 F*	IHPAD040500*	4,705
	80	4	CD5 50 F*	IHPAD050500*	7,875
	80	4	CD5 65 F*	IHPAD065500*	8,400
6	125	4	CD6 80 F*	IHPAD080600*	10,240
	125	4	CD6 95 F*	IHPAD095600*	10,975



*To complete the Cat no. suffix the coil voltage from the coil voltage table

- Note:
- For additional aux. contacts front mounted - refer accessories table.
 - Non standard coil voltages are supplied on request.

DC Coils

Code*	A	C	E	G
DC Voltage	24V	48V	110V	220V





Contactor 4-Pole with DC coil (115A to 630A)					
Frame Size	AC-1 Duty Rating at 415V, 50 Hz	Power Poles	Type	Cat. No	Unit MRP ₹
	I _{th} Amp.				
1	200	4	CH1 115 F*	IHPAD115100*	20,475
	250	4	CH1 150 F*	IHPAD150100*	24,150
2	275	4	CH2 185 F*	IHPAD185200*	30,135
	315	4	CH2 225 F*	IHPAD225200*	34,755
3	350	4	CH3 265 F*	IHPAD265300*	39,690
4	400	4	CH4 330 F*	IHPAD330400*	45,570
5	500	4	CH5 400 F*	IHPAD400500*	55,125
6	700	4	CH6 500 F*	IHPAD500600*	74,760
7	1000	4	CH7 630 F*	IHPAD630700*	1,04,790

*To complete the Cat no. suffix the coil voltage from the coil voltage table

- Note:
- For additional aux. contacts front mounted and mechanical interlock - refer accessories table.
 - Non standard coil voltages are supplied on request.



DC Coils				
Code*	A	C	E	G
DC Voltage	24V	48V	110V	220V



Add on Accessories: Auxiliary Contact Block						
Description	Suitable for Mounting on Contactors	Contact Configuration		Type	Cat No.	Unit MRP ₹
		NO	NC			
Side Block	CN Frame size 1-6 9A-95A 3P/4P	1	1	CAS11	ISPNASM611	300
		2	0	CAS20	ISPNASM620	300
Front Block	CN/CD Frame size 1-6 9A-95A, 3P/4P & CH Frame Size 1-7 115A-630A, 3P / 4P	1	1	CAF11	ISPNAFM711	175
		2	2	CAF22	ISPNAFM722	300
		3	1	CAF31	ISPNAFM731	300
		4	0	CAF40	ISPNAFM740	300



Add on Accessories: Pneumatic Timer Block				
ON Delay	Suitable for Mounting on Contactors	Type	Cat No.	Unit MRP ₹
0.1 -3s	CN/CD/CH 9A-630A	CPT1A	IHNN4000	1,105
0.1-30s		CPT1B	IHNN5000	1,105
10-180s		CPT1C	IHNN6000	1,105



Add on Accessories: Pneumatic Timer Block				
OFF Delay	Suitable for Mounting on Contactors	Type	Cat No.	Unit MRP ₹
0.1 -3s	CN/CD/CH 9A-630A	CPT2A	IHNF4000	1,115
0.1-30s		CPT2B	IHNF5000	1,115
10-180s		CPT2C	IHNF6000	1,115

Mechanical Interlock Site Fitment Type

Suitable for Mounting on Contactors	Type	Cat No.	Unit MRP ₹
CN1 to CN4	MN 1 2 3 4	ISPNM4SV	315
CN5 to CN6	MN 5 6	ISPNM6SV	490
CH1	MH 1	ISPHM1SV	1,910
CH2	MH 2	ISPHM2SV	2,255
CH3, CH4, CH5	MH 3 4 5	ISPHM5SV	2,600
CH6, CH7	MH 6 7	ISPHM7SV	2,650


Capacitor Duty Contactor 3-Pole with AC Coil

KVAR Rating at 50/60Hz 0 ≤ 55°C		Inst. Aux. Contact		Type	Cat. No.	Unit MRP ₹
220/240V	415/440V	NO	NC			
6	12	1	0	CC2 1210*	IHPAE012210*	1,785
9	18	1	0	CC3 1810*	IHPAE018310*	2,520
10	20	1	0	CC4 2010*	IHPAE020410*	2,680
15	30	1	1	CC5 3011*	IHPAE030511*	3,205
25	50	1	1	CC6 5011*	IHPAE050611*	8,505

* To Complete Cat. No. Suffix Voltage Code From Coil Voltage Table

Note : For additional aux. contacts (side mounted type) can be mounted if required. Refer accessories table.


AC Coils

Code*	A	C	E	G	H	J	K
AC Voltage	24V	48V	110V	220V	240V	380V	415V


Spare Coils (AC)

For use with Contactor type (3P, 4P & Capacitor)	Type	Cat. No.	Unit MRP ₹
CRN1, CN1 09, CN1 12, CN2 18 & CC2 12	CX1-2*	ISPNCN2*	340
CN3 25, CN4 32, CC3 18 & CC4 20	CX1-4*	ISPNCN4*	460
CN5 40 to CN6 95, CC5 30 & CC6 40	CX1-6*	ISPNCN6*	910
CH1 115, CH1 150	CY1-1*	ISPNCN1*	1,680
CH2 185, CH2 225	CY1-2*	ISPNCN2*	2,650
CH3 265	CY1-3*	ISPNCN3*	2,740
CH4 330	CY1-4*	ISPNCN4*	2,785
CH5 400	CY1-5*	ISPNCN5*	5,880
CH6 500	CY1-6*	ISPNCN6*	9,660
CH7 630	CY1-7*	ISPNCN7*	10,500

*To complete the type/ cat no. suffix the coil voltage from the coil voltage table


AC Coils

Code*	A	C	E	G	H	J	K
AC Voltage	24V	48V	110V	220V	240V	380V	415V



Spare Coils (DC)			
For use with Contactor type (3P & 4P)	Type	Cat. No.	Unit MRP ₹
CRD1, CD1 09, CD1 12, CD2 18	CX4-2*	ISPNDN2*	475
CD3 25, CD4 32	CX4-4*	ISPNDN4*	620
CD5 40, CD5 50, CD5 65, CD6 80, CD6 95	CX4-6*	ISPNDN6*	1,315
CH1 115, CH150	CY4-1*	ISPNDH1*	5,250
CH2 185, CH2 225	CY4-2*	ISPNDH2*	7,980
CH3 265, CH4 330	CY4-34*	ISPNDH34*	9,555
CH5 400	CY4-5*	ISPNDH5*	13,125
CH6 500	CY4-6*	ISPNDH6*	13,230
CH7 630	CY4-7*	ISPNDH7*	14,440

*To complete the type/ cat no. suffix the coil voltage from the coil voltage table

DC Coils				
Code*	A	C	E	G
DC Voltage	24V	48V	110V	220V



Spare Top Housing Block* : CN-Frame			
Contact 3P	Type	Cat. No.	Unit MRP ₹
9A	STHB09	ISSPEX0384	620
12A	STHB12	ISSPEX0385	620
18A	STHB18	ISSPEX0386	735
25A	STHB25	ISSPEX0387	955
32A	STHB32	ISSPEX0388	1,890
40A	STHB40	ISSPEX0389	2,950
50A	STHB50	ISSPEX0390	3,625
65A	STHB65	ISSPEX0391	4,830
80A	STHB80	ISSPEX0392	5,985
95A	STHB95	ISSPEX0393	7,035

* Top Housing Block constitutes moving contact bridge, moving contacts, fixed contacts & terminals and moving magnet section.
Note: Price of 4P Top Housing Block is provided on request



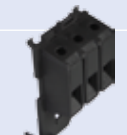
Spare Contact Kit* : CH-Frame			
Contact 3P	Type	Cat. No.	Unit MRP ₹
115A	SCK115	ISSPEX0394	5,485
150A	SCK150	ISSPEX0395	6,250
185A	SCK185	ISSPEX0396	12,155
225A	SCK225	ISSPEX0397	13,295
265A	SCK265	ISSPEX0398	13,295
330A	SCK330	ISSPEX0399	20,622
400A	SCK400	ISSPEX0400	21,105
500A	SCK500	ISSPEX0401	29,295
630A	SCK630	ISSPEX0402	41,265

* Contact kit consists of 6 fixed contact, 3 moving contact.
Note: Price of 4P contact kit is provided on request

Thermal Over Load Relay (Auto/ Manual Reset)

Relay Frame size	Relay Range	Suitable for Contactor Frame size	Type	Cat. No.	Unit MRP ₹	Individual Mounting Block
1	0.1-0.16	CN1 to CN4	RT21A	IHNR 11AA	1,035	 Type RTA2-25 Cat No. ISSTRX024025 Unit MRP ₹ 180
	0.16-0.25		RT21B	IHNR 11AB	1,035	
	0.25-0.4		RT21C	IHNR 11AC	1,035	
	0.4-0.63		RT21D	IHNR 11AD	1,035	
	0.63-1		RT21E	IHNR 11AE	1,035	
	1-1.6		RT21F	IHNR 11AF	1,035	
	1.6-2.5		RT21G	IHNR 11AG	1,035	
	2.5-4		RT21H	IHNR 11AH	1,035	
	4-6		RT21J	IHNR 11AJ	1,035	
	5.5-8		RT21K	IHNR11AK	1,035	
	7-10		RT21L	IHNR 11AL	1,035	
	9-13		RT21M	IHNR 11AM	1,035	
	12-18		RT21N	IHNR 11AN	1,135	
	17-25		RT21P	IHNR 11AP	1,135	
2	23-32	CN4	RT22Q	IHNR22AQ	1,735	 Type RTA2-36 Cat No. ISSTRX024136 Unit MRP ₹ 260
	28-36		RT22R	IHNR22AR	1,880	
3	23-32	CN5 to CN6	RT23T	IHNR33AT	1,880	 Type RTA2-93 Cat No. ISSTRX024293 Unit MRP ₹ 1020
	30-40		RT23U	IHNR33AU	1,880	
	37-50		RT23v	IHNR33AV	2,440	
	48-65		RT23W	IHNR33AW	2,995	
	55-70		RT23X	IHNR33AX	2,995	
	63-80		RT23Y	IHNR33AY	3,045	
	80-93		RT23Z	IHNR33AZ	3,255	


Thermal Over Load Relay (Manual Reset)

1	0.1- 0.16	CN 1 to CN 4	RT11A	IHNR11MA	960	 Type RTA1-25 Cat No. ISSTRX024325 Unit MRP ₹ 160
	0.16-0.25		RT11B	IHNR11MB	960	
	0.25-0.4		RT11C	IHNR11MC	960	
	0.4-0.63		RT11D	IHNR11MD	960	
	0.63-1		RT11E	IHNR11ME	960	
	1-1.6		RT11F	IHNR11MF	960	
	1.6-2.5		RT11G	IHNR11MG	960	
	2.5-4		RT11H	IHNR11MH	960	
	4-6		RT11J	IHNR11MJ	960	
	5.5-8		RT11K	IHNR11MK	960	
	7-10		RT11L	IHNR11ML	960	
	10-13		RT11M	IHNR11MM	960	
	13-18		RT11N	IHNR11MN	1,080	
	18-25		RT11P	IHNR11MP	1,080	
2	23-32	CN 5 to CN 6	RT12Q	IHNR22MQ	1,575	 Type RTA1-80 Cat No. ISSTRX024480 Unit MRP ₹ 300
	30-40		RT12R	IHNR22MR	1,575	
3	38-50	CN 5 to CN 6	RT13V	IHNR33MV	1,945	
	48-57		RT13W	IHNR33MW	2,470	
	57-66		RT13X	IHNR33MX	2,860	
	63-80		RT13Y	IHNR33MY	2,990	





Electronic Overload Relay (Manual reset)					
"Relay Frame size"	Relay Range	Suitable for Contactor Frame size	Type	Cat. No	Unit MRP ₹
4	30-50	CH 1 to CH 2	ERT14A	IHETR050	5,880
	48-80		ERT14B	IHETR080	6,300
	60-100		ERT14C	IHETR100	6,300
	90-150		ERT14D	IHETR150	6,300
5	132-220	CH 2 to CH 5	ERT1 5E	IHETR220	8,120
6	200-330	CH 2 to CH 7	ERT1 6F	IHETR330	8,120
	300-500		ERT1 6G	IHETR500	10,920
	380-630		ERT1 6H	IHETR630	11,340



Motor Protection Circuit Breaker				
Relay Range	Breaking Capacity at 415V / 50Hz	Type	Cat. No.	Unit MRP ₹
0.1-0.16	100	MB2 - 01	IHPMPBA0A0	2,075
0.16-0.25		MB2 - 02	IHPMPBB0B0	2,075
0.25-0.4		MB2 - 03	IHPMPBC0C0	2,075
0.4-0.63		MB2 - 04	IHPMPBD0D0	2,225
0.63 - 1		MB2 - 05	IHPMPBE0E0	2,225
1-1.6		MB2 - 06	IHPMPBF0F0	2,300
1.6-2.5		MB2 - 07	IHPMPBG0G0	2,300
2.5 - 4		MB2 - 08	IHPMPBH0H0	2,380
4 - 6.3		MB2 - 10	IHPMPBJ0J0	2,380
6 - 10		MB2 - 14	IHPMPBK0K0	2,660
9 - 14	15	MB2 - 16	IHPMPBL0L0	3,035
13 - 18	15	MB2 - 20	IHPMPBM0M0	3,215
17 - 23	15	MB2 - 21	IHPMPBN0N0	3,248
20-25	15	MB2 - 22	IHPMPBQ0Q0	3,475
24 - 32	10	MB2 - 32	IHPMPBP0P0	6,550

Note: MB2 - 22 provided on request

Add on Accessories MPCB

Accessory	Type	Cat. No.	Unit MRP ₹
Side aux. contact (1NO+1NC)	MB2 - SM11	ISPMASM011	510
Side aux. contact (2 NO)	MB2 - SM20	ISPMASM020	510


Add on Accessories MPCB

Accessory	Type	Cat. No.	Unit MRP ₹
Front aux. contact (1NO+1NC)	MB2 - FM11	ISPMAFM011	445
Front aux. contact (2NO)	MB2 - FM20	ISPMAFM020	445


Add on Accessories MPCB

Accessory	Type	Cat. No.	Unit MRP ₹
Fault signalling contact (1NO)	MB2 - FC1010	ISPFC010	665
Fault signalling contact (1NC)	MB2 - FC1001	ISPFC001	665


Add on Accessories MPCB

Accessory	Type	Cat. No.	Unit MRP ₹
Shunt trip 110 V	MB2 - ST1	ISPST110	1,210
220 V	MB2 - ST2	ISPST220	1,210
380 V / 415 V	MB2 - ST3	ISPST415	1,210


Add on Accessories MPCB

Accessory	Type	Cat. No.	Unit MRP ₹
Under voltage trip 110 V	MB2 - UV1	ISPUV110	1,210
220 V	MB2 - UV2	ISPUV220	1,210
380 V / 415 V	MB2 - UV3	ISPUV415	1,210


MPCB Enclosure

Accessory	Type	Cat. No.	Unit MRP ₹
MPCB Enclosure (IP 65)	MB2 - E	ISSPEX0063	875



H.P.	Kw	Contactor Rating	Overload Relay Range (Amp.)	Cat. No.	MRP
0.75	0.6	12	1A-1.6A	IHPDOLFA*	1,620
1	0.7	12	1.6A-2.5A	IHPDOLGA*	1,620
2	1.5	12	2.5A-4A	IHPDOLHA*	1,620
3	2.2	12	4A-6A	IHPDOLJA*	1,620
5	3.7	18	7A-10A	IHPDOLLA*	1,620
7.5	5.6	18	10A-13A	IHPDOLMB*	1,695
10	7.5	18	13A-18A	IHPDOLNB*	2,100
15	11.2	32	18A-25A	IHPDOLPD*	3,280
20	14.9	32	23A-32A	IHPDOLQD*	6,500
25	18.7	50	38A-50A	IHPDOLVE*	8,000
30	22.4	65	48A-57A	IHPDOLWE*	9,600
40	29.8	80	63A-80A	IHPDOLYF*	11,000
50	37.3	95	80A-93A	IHPDOLZF*	14,000
60	44.8	115	90A-150A	IHPDOLDG*	14,500
75	56.0	150	90A-150A	IHPDOLDG*A	14,500
85	63.4	150	90A-150A	IHPDOLDG*B	16,700
100	74.6	185	132A-220A	IHPDOLEH*	18,500



Cosmic Star - Automatic Star-Delta Starter

H.P.	Kw	Contactor Size	Overload Relay Range (Amp.)	Cat. No.	MRP
10	7.5	18	9.0-13	IHPASDMB*	5,800
12.5	9.3	18	12.0-18	IHPASDNB*	5,800
15	11.2	25	12.0-18	IHPASDNC*	5,950
20	14.9	32	17-25	IHPASDPD*	8,000
25	18.7	32	23-32	IHPASDQD*	8,200
30	22.4	32	23-32	IHPASDQD*A	9,000
35	26.1	40	30-40	IHPASDUE*	15,000
50	37.3	65	48-65	IHPASDWE*	20,000
60	44.8	80	48-65	IHPASDWF*	28,000
75	56.0	95	63-80	IHPASDYF*	35,000
90	67.1	115	60-100	IHPASDCG*	40,000
100	74.6	115	90-150	IHPASDDG*	52,000
125	93.3	150	90-150	IHPASDDG*A	53,000
150	111.9	185	132-220	IHPASDEH*	55,000



Cosmic Star - Reversing Starter

H.P.	Kw	Contactor Size	Overload Relay Range (Amp.)	Cat. No.	MRP
2	1.5	18	2.5-4	IHPREVBHG	5,000
3	2.2	18	4.0-6.0	IHPREVJBG	5,000
5	3.7	18	7.0-10	IHPREVLBG	5,000
7.5	5.6	18	10.0-13	IHPREVMBG	5,000
10	7.5	18	13-18	IHPREVNBG	6,500
15	11.2	32	18-25	IHPREVPDG	6,700
20	14.9	32	28-36	IHPREVRDG	7,800



- Starters are supplied with standard coil voltage 415V AC
- For other voltages please specify coil code from the below table. (*suffix code)
- Wide band coils are offered with 260V - 415V (W)

AC Coils					
Code*	G	H	J	K	W
AC Voltage	220V	240V	380V	415V	260-415V

Cosmic Star - Direct On Line Submersible Pump Starter

H.P.	Kw	Contactor Size	Overload Relay Range (Amp.)	Cat. No.	MRP
5	3.7	18	9-13	IHSDOAMBW	5,400
7.5	5.5	18	12-18	IHSDOANBW	5,575
10	7.5	25	17-25	IHSDOAPCW	5,775
12.5	9.3	32	17-25	IHSDOAPDW	5,950
15	11	32	23-32	IHSDOAQDW	5,950



Cosmic Star - Standard Automatic Star Delta Submersible Pump Starter

H.P.	Kw	Contactor Size	Overload Relay Range (Amp.)	Cat. No.	MRP
5	3.7	18A	5.5-8A	IHSASAKBW	10,395
7.5	5.5	18A	7-10A	IHSASALBW	10,395
10	7.5	18A	09-13A	IHSASAMBW	10,580
12.5	9.3	18A	12-18A	IHSASANBW	10,580
15	11	25A	17-25A	IHSASAPCW	10,660
17.5	13.1	32A	17-25A	IHSASAPDW	10,850
20	15	32A	17-25A	IHSASAPDWA	11,200
22.5	16.8	32A	23-32A	IHSASAQDW	11,550
25	19	32A	23-32A	IHSASAQDWA	11,550



Cosmic Star - Premium Automatic Star Delta Submersible Pump Starter

H.P.	Kw	Contactor Size	Overload Relay Range (Amp.)	Cat. No.	MRP
5	3.7	PC9K2	6.5-10	IHDASAKBW	10,870
7.5	5.5	PC9K2	6.5-10	IHDASALBW	10,870
10	7.5	PC9K2	15-Oct	IHDASAMBW	11,385
12.5	9.3	PC9K2	15-Oct	IHDASANBW	11,385
15	11	PC11K2	13-19.5	IHDASAPCW	11,680
17.5	13.1	PC15K2	15-22	IHDASAPDW	11,880
20	15	PC15K2	16-25	IHDASAPDWA	12,200
22.5	16.8	PC15K2	24-34	IHDASAQDW	12,650
25	19	PC15K2	24-34	IHDASAQDWA	12,650



- Starters are supplied with standard coil voltage 260V - 415V AC
- For other voltages please specify coil code from the below table.

AC Coils					
Code*	G	H	J	K	W
AC Voltage	220V	240V	380V	415V	260-415V

DABANGG Agri DOL Starter

NEW

Frame Size	Motor rating 415V, 3-Phase 50Hz		Contactor	Overload Relay		Motor Starter		MRP
	HP	KW	Type/ Rating	Type	Range (A)	Type	Cat. No.	
1	0.5	0.4	DC1 20 / 20A	DRT1A	0.68-1.1	DS11	IHPDOAA1Y	1,530
	0.75	0.6	DC1 20 / 20A	DRT1B	1-1.6	DS12	IHPDOAB1Y	1,530
	1	0.7	DC1 20 / 20A	DRT1C	1.5-2.4	DS13	IHPDOAC1Y	1,530
	2	1.5	DC1 20 / 20A	DRT1D	3.2-5	DS14	IHPDOAD1Y	1,530
	3	2.2	DC1 20 / 20A	DRT1E	4.5-7.2	DS15	IHPDOAE1Y	1,530
	5	3.7	DC1 20 / 20A	DRT1F	6.8-11	DS16	IHPDOAF1Y	1,530
	7.5	5.6	DC1 20 / 20A	DRT1G	10-16	DS17	IHPDOAG1Y	1,530
	10	7.5	DC1 20 / 20A	DRT1H	14-22	DS18	IHPDOAH1Y	#
2	12.5	9.3	DC2 40 / 40A	DRT2J	20-32	DS21	IHPDOAJ2Y	#
	15	11.2	DC2 40 / 40A	DRT2J	20-32	DS22	IHPDOAJ2YA	#

Built-in with trip AC coil 120V - 430V AC

Price on Request

Product Description	Frame Size	Rating (A)	Purchase Code	SAP Code	MRP
Contactor for Dabangg DOL agri starter upto 10HP	1	20	SPCX1370	IHPBA020100Y	825
Contactor for Dabangg DOL agri starter upto 15HP	1	40	SPCX1371	IHPBA040200Y	1,344

Product Description	Frame Size	Rating (A)	Purchase Code	SAP Code	MRP
Relay for Dabangg DOL agri starter of 0.5HP	1	0.68-1.1	STRX0342	ISSTRX0342	352
Relay for Dabangg DOL agri starter of 0.75HP	1	1-1.6	STRX0343	ISSTRX0343	352
Relay for Dabangg DOL agri starter of 1HP	1	1.5-2.4	STRX0344	ISSTRX0344	352
Relay for Dabangg DOL agri starter of 2HP	1	3.2-5	STRX0345	ISSTRX0345	352
Relay for Dabangg DOL agri starter of 3HP	1	4.5-7.2	STRX0346	ISSTRX0346	352
Relay for Dabangg DOL agri starter of 5HP	1	6.8-11	STRX0347	ISSTRX0347	352
Relay for Dabangg DOL agri starter of 7.5HP	1	10-16	STRX0348	ISSTRX0348	352
Relay for Dabangg DOL agri starter of 10HP	1	14-22	STRX0349	ISSTRX0349	601
Relay for Dabangg DOL agri starter of 12.5HP/ 15HP	2	20-32	STRX0350	ISSTRX0350	601



Powerline Motor Starter

(Conforms to IS:13947-4) Direct Online Starter

Max. Motor Output At 415V, 3-Ph.		Contactor Size	Overload Relay Range (Amp.)	Type	Cat. No.	MRP
H.P.	Kw					
0.75	0.52	PC7K1/16A	1.0 - 1.6	DOL EE1*	IHPDOLE1*0	1,685
1.0	0.75	PC7K1/16A	1.7 - 2.5	DOL FE1*	IHPDOLF1*0	1,685
2.0	1.5	PC7K1/16A	3.0 - 4.5	DOL HE1*	IHPDOLH1*0	1,685
3.0	2.2	PC7K1/16A	4.5 - 7.0	DOL HE1*	IHPDOLJ1*0	1,685
5.0	3.7	PC7K1/16A	6.5 - 10.0	DOL KE1*	IHPDOLK1*0	1,685
7.5	5.5	PC7K1/16A	10.0 - 15.0	DOL LE1*	IHPDOLL1*0	1,685
10.0	7.5	PC9K2/18A	13.0 - 19.5	DOL ME1*	IHPDOLM1*0	1,870
15.0	11.0	PC11K2/25A	15.0 - 22.0	DOL NE2*	IHPDOLN2*0	3,520
20.0	15.0	PC15K2/32A	24.0 - 34.0	DOL SE2*	IHPDOLS2*0	6,600
25.0	18.5	PC22K3/40A	26.0 - 40.0	DOL 40E3*	IHPDOLT3*0	8,800
30.0	22.0	PC25K3/50A	34.0 - 51.0	DOL 50E3*	IHPDOLU3*0	9,300
40.0	30.0	PC37K3/70A	40.0 - 60.0	DOL 57E3*	IHPDOLV3*0	9,900
50.0	37.0	PC37K3/70A	50.0 - 75.0	DOL 70E3*	IHPDOLW3*0	10,450
60.0	45.0	PC45K4/95A	70.0 - 105.0	DOLA05E4*	IHPDOLX4*0	13,575
75.0	55.0	PC63K4/125A	100.0 - 150.0	DOLB50E4*	IHPDOLY4*A	16,280
85.0	63.0	PC63K4/125A	100.0 - 150.0	DOLC50E4*	IHPDOLY4*B	18,370
100.0	75.0	PC75K4/140A	100.0 - 150.0	DOLD50E4*	IHPDOLY4*C	20,350

Automatic Star-Delta Starter

Max. Motor Output At 415V, 3-Ph.		Contactor Size	Overload Relay Range (Amp.)	Type	Cat. No.	MRP
H.P.	Kw					
10.0	7.5	PC7K1/16A	6.5 - 10.0	ASDKE1*	IHPASDK1*0	5,830
12.5	9.3	PC7K1/16A	10.0 - 15.0	ASDLAE1*	IHPASDL1*A	5,940
15.0	11.0	PC7K1/18A	10.0 - 15.0	ASDLBE1*	IHPASDL1*B	6,050
20.0	15.0	PC9K2/18A	13.0 - 19.5	ASDME2*	IHPASDM2*0	8,800
25.0	18.5	PC11K2/25A	15.0 - 22.0	ASDNE2*	IHPASDN2*0	9,020
30.0	22.5	PC11K2/32A	16.0 - 25.0	ASDRE2*	IHPASDR2*0	9,900
35.0	26.0	PC15K2/32A	24.0 - 34.0	ASDSE2*	IHPASDS2*0	16,500
50.0	37.0	PC22K3/40A	26.0 - 40.0	ASD40E3*	IHPASDT3*0	22,000
60.0	45.0	PC25K3/50A	34.0 - 51.0	ASD50E3*	IHPASDU3*0	30,800
75.0	55.0	PC37K3/70A	40.0 - 60.0	ASD57E3*	IHPASDV3*0	38,500
90.0	67.5	PC37K3/70A	50.0 - 75.0	ASD70E3*	IHPASDW3*0	44,000
100.0	75.0	PC45K4/95A	70.0 - 105.0	ASDA05E4*	IHPASDX4*A	57,200
125.0	90.0	PC63K4/125A	70.0 - 105.0	ASDB05E4*	IHPASDX4*B	58,300
150.0	110.0	PC63K4/125A	100.0 - 150.0	ASDC50E4*	IHPASDY4*0	60,500

Reversing Starter

Max. Motor Output At 415V, 3-Ph.		Contactor Size	Overload Relay Range (Amp.)	Type	Cat. No.	MRP
H.P.	Kw					
2.0	1.5	PC7K1/16A	3.0 - 4.5	ROLHE1*	IHPREHV1*0	5,500
3.0	2.2	PC7K1/16A	4.5 - 7.0	ROLJE1*	IHPREVJ1*0	5,500
5.0	3.7	PC7K1/16A	6.5 - 10.0	ROLKE1*	IHPREVK1*0	5,500
7.5	5.5	PC7K1/16A	10.0 - 15.0	ROLLE1*	IHPREVL1*0	5,500
10.0	7.5	PC9K2/18A	13.0 - 19.5	ROLME1*	IHPREVM1*0	7,150
15.0	11.0	PC11K2/25A	15.0 - 22.0	ROLNE2*	IHPREVN2*0	7,370
20.0	15.0	PC15K2/32A	24.0 - 34.0	ROLSE2*	IHPREVS2*0	8,800

Note :

(A) * Suffix Coil code from Coil Voltage Table below.

(B) All Powerline Motor Starters are supplied with type "TRM-23/TRM-24" Thermal Overload Relays with Auto Reset Facility.

AC Coils (Powerline)					
Code*	D	E	F	G	W0
AC Voltage	220V	240V	380V	415V	240-415V



Industrial Switchgear



**ACB with Microprocessor Release IPR E
3 Pole**

Current Rating	Breaking Capacity	Ordering Code		LP in Rs.		Ordering Code		LP in Rs.	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
(A)	415V (KA)	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	50	IHATE1E060**	IHATE2E060**	63,000	86,600	IHATE4E06\$**	IHATE5E06\$**	80,850	1,25,000
800	50	IHATE1E080**	IHATE2E080**	65,100	89,500	IHATE4E08\$**	IHATE5E08\$**	91,350	1,26,000
1000	50	IHATE1E100**	IHATE2E100**	70,350	98,700	IHATE4E10\$**	IHATE5E10\$**	96,100	1,33,400
1250	50	IHATE1E120**	IHATE2E120**	85,600	1,26,500	IHATE4E12\$**	IHATE5E12\$**	1,21,300	1,57,500
1600	50	IHATE1E160**	IHATE2E160**	90,000	1,33,400	IHATE4E16\$**	IHATE5E16\$**	1,28,600	1,69,100
2000	50	IHATE1E200**	IHATE2E200**	1,02,900	1,60,650	IHATE4E20\$**	IHATE5E20\$**	1,42,800	1,93,200
2500	75	IHATH1E250**	IHATH2E250**	1,18,650	1,91,100	IHATH4E25\$**	IHATH5E25\$**	1,58,550	2,23,650
3200	100	IHATV1E320**	IHATV2E320**	1,86,900	2,56,200	IHATV4E32\$**	IHATV5E32\$**	2,23,650	2,89,800
4000	100	IHATV1E400**	IHATV2E400**	3,05,550	3,40,200	IHATV4E40\$**	IHATV5E40\$**	3,33,900	3,72,750


**ACB with Microprocessor Release IPR E
4 Pole**

Current Rating	Breaking Capacity	Ordering Code		LP in Rs.		Ordering Code		LP in Rs.	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
(A)	415V (KA)	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	50	IHAPE1E060**	IHAPE2E060**	70,400	1,16,600	IHAPE4E06\$**	IHAPE5E06\$**	1,08,200	1,55,400
800	50	IHAPE1E080**	IHAPE2E080**	74,600	1,19,700	IHAPE4E08\$**	IHAPE5E08\$**	1,14,500	1,57,500
1000	50	IHAPE1E100**	IHAPE2E100**	85,000	1,28,100	IHAPE4E10\$**	IHAPE5E10\$**	1,14,500	1,68,000
1250	50	IHAPE1E120**	IHAPE2E120**	1,12,900	1,60,700	IHAPE4E12\$**	IHAPE5E12\$**	1,48,100	1,96,400
1600	50	IHAPE1E160**	IHAPE2E160**	1,17,100	1,77,500	IHAPE4E16\$**	IHAPE5E16\$**	1,54,600	2,11,100
2000	50	IHAPE1E200**	IHAPE2E200**	1,40,200	2,13,200	IHAPE4E20\$**	IHAPE5E20\$**	1,78,500	2,49,900
2500	75	IHAPE1E250**	IHAPE2E250**	1,60,700	2,54,100	IHAPE4E25\$**	IHAPE5E25\$**	1,95,300	2,86,700
3200**	100	IHAPE1E320**	IHAPE2E320**	2,37,300	3,18,200	IHAPE4E32\$**	IHAPE5E32\$**	2,73,000	3,46,500
4000**	100	IHAPE1E400**	IHAPE2E400**	3,60,200	4,23,200	IHAPE4E40\$**	IHAPE5E40\$**	4,16,900	4,52,600

**ACB with Microprocessor Release IPR 1
3 Pole**

Current Rating	Breaking Capacity	Ordering Code		LP in Rs.		Ordering Code		LP in Rs.	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
(A)	415V (KA)	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	50	IHATE11060**	IHATE21060**	66,200	94,000	IHATE4106\$**	IHATE5106\$**	85,100	1,32,300
800	50	IHATE11080**	IHATE21080**	68,300	97,100	IHATE4108\$**	IHATE5108\$**	95,600	1,33,400
1000	50	IHATE11100**	IHATE21100**	73,500	1,06,100	IHATE4110\$**	IHATE5110\$**	1,02,900	1,40,700
1250	50	IHATE11120**	IHATE21120**	92,400	1,33,400	IHATE4112\$**	IHATE5112\$**	1,27,100	1,64,900
1600	50	IHATE11160**	IHATE21160**	95,600	1,40,700	IHATE4116\$**	IHATE5116\$**	1,35,500	1,76,400
2000	50	IHATE11200**	IHATE21200**	1,10,300	1,68,000	IHATE4120\$**	IHATE5120\$**	1,50,200	2,04,800
2500	75	IHATH11250**	IHATH21250**	1,26,000	1,98,500	IHATH4125\$**	IHATH5125\$**	1,65,900	2,31,000
3200	100	IHATV11320**	IHATV21320**	1,94,300	2,63,600	IHATV4132\$**	IHATV5132\$**	2,31,000	2,97,200
4000	100	IHATV11400**	IHATV21400**	3,12,900	3,47,600	IHATV4140\$**	IHATV5140\$**	3,41,300	3,80,100


**ACB with Microprocessor Release IPR 1
4 Pole**

Current Rating	Breaking Capacity	Ordering Code		LP in Rs.		Ordering Code		LP in Rs.	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
(A)	415V (KA)	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	50	IHAPE11060**	IHAPE21060**	77,700	1,23,900	IHAPE4106\$**	IHAPE5106\$**	1,15,500	1,62,800
800	50	IHAPE11080**	IHAPE21080**	81,400	1,27,100	IHAPE4108\$**	IHAPE5108\$**	1,21,800	1,64,900
1000	50	IHAPE11100**	IHAPE21100**	89,300	1,35,500	IHAPE4110\$**	IHAPE5110\$**	1,27,100	1,75,400
1250	50	IHAPE11120**	IHAPE21120**	1,19,200	1,68,000	IHAPE4112\$**	IHAPE5112\$**	1,55,400	2,03,700
1600	50	IHAPE11160**	IHAPE21160**	1,23,900	1,84,800	IHAPE4116\$**	IHAPE5116\$**	1,60,700	2,18,400
2000	50	IHAPE11200**	IHAPE21200**	1,47,500	2,20,500	IHAPE4120\$**	IHAPE5120\$**	1,85,900	2,57,300
2500	75	IHAPE11250**	IHAPE21250**	1,68,000	2,61,500	IHAPE4125\$**	IHAPE5125\$**	2,02,700	2,94,000
3200**	100	IHAPE11320**	IHAPE21320**	2,44,700	3,25,500	IHAPE4132\$**	IHAPE5132\$**	2,80,400	3,58,100
4000**	100	IHAPE11400**	IHAPE21400**	3,67,500	4,30,500	IHAPE4140\$**	IHAPE5140\$**	4,20,000	4,59,900

\$ Please refer table 1 to replace \$ at page-22

** Please refer table 2 to replace ** at page-22

Please refer table 3 to replace # at page-22

*** 4000 A, 4 Pole ACB is also available with 100% Neutral Pole (Price available on request)

Note : Prices on request

ACB range 630A to 4000A (IPR 3)

Industrial Switchgear

Air Circuit Breaker

HAVELLS

Maximum Retail Prices (MRP) are in Indian ₹
as per Regular Terms & Conditions



Air Circuit Breaker

(Conforms to IEC:60947 - 2 / IS: 13947 - 2)

ACB with Microprocessor Release IPR 2 3 Pole

Current Rating	Breaking Capacity	Ordering Code		LP in Rs.		Ordering Code		LP in Rs.	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
(A)	415V (KA)	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	50	IHATE12060**	IHATE22060**	70,400	98,200	IHATE4206\$**	IHATE5206\$**	93,500	1,34,400
800	50	IHATE12080**	IHATE22080**	75,600	1,02,100	IHATE4208\$**	IHATE5208\$**	1,04,000	1,36,000
1000	50	IHATE12100**	IHATE22100**	78,800	1,11,300	IHATE4210\$**	IHATE5210\$**	1,08,700	1,43,900
1250	50	IHATE12120**	IHATE22120**	98,200	1,37,800	IHATE4212\$**	IHATE5212\$**	1,33,900	1,67,000
1600	50	IHATE12160**	IHATE22160**	1,02,400	1,42,800	IHATE4216\$**	IHATE5216\$**	1,41,200	1,77,500
2000	50	IHATE12200**	IHATE22200**	1,15,500	1,70,100	IHATE4220\$**	IHATE5220\$**	1,55,400	2,03,700
2500	75	IHATH12250**	IHATH22250**	1,31,300	1,98,500	IHATH4225\$**	IHATH5225\$**	1,68,500	2,31,000
3200	100	IHATV12320**	IHATV22320**	1,95,800	2,63,600	IHATV4232\$**	IHATV5232\$**	2,31,000	2,90,900
4000	100	IHATV12400**	IHATV22400**	3,07,700	3,47,600	IHATV4240\$**	IHATV5240\$**	3,41,300	3,80,100



ACB with Microprocessor Release IPR 2 4 Pole

Current Rating	Breaking Capacity	Ordering Code		LP in Rs.		Ordering Code		LP in Rs.	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
(A)	415V (KA)	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	50	IHAPE12060**	IHAPE22060**	83,000	1,29,200	IHAPE4206\$**	IHAPE5206\$**	1,18,900	1,64,900
800	50	IHAPE12080**	IHAPE22080**	87,200	1,32,300	IHAPE4208\$**	IHAPE5208\$**	1,25,200	1,66,200
1000	50	IHAPE12100**	IHAPE22100**	97,700	1,40,700	IHAPE4210\$**	IHAPE5210\$**	1,31,800	1,75,900
1250	50	IHAPE12120**	IHAPE22120**	1,25,500	1,73,300	IHAPE4212\$**	IHAPE5212\$**	1,59,100	2,03,700
1600	50	IHAPE12160**	IHAPE22160**	1,29,700	1,89,000	IHAPE4216\$**	IHAPE5216\$**	1,67,200	2,18,400
2000	50	IHAPE12200**	IHAPE22200**	1,52,800	2,27,900	IHAPE4220\$**	IHAPE5220\$**	1,91,100	2,58,300
2500	75	IHAPE12250**	IHAPE22250**	1,73,800	2,61,500	IHAPE4225\$**	IHAPE5225\$**	2,07,900	2,95,100
3200***	100	IHAPE12320**	IHAPE22320**	2,49,900	3,30,800	IHAPE4232\$**	IHAPE5232\$**	2,86,700	3,53,900
4000***	100	IHAPE12400**	IHAPE22400**	3,72,800	4,35,800	IHAPE4240\$**	IHAPE5240\$**	4,28,400	4,62,000

ACB without Release 3 Pole

Current Rating	Breaking Capacity	Ordering Code		LP in Rs.		Ordering Code		LP in Rs.	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
(A)	415V (KA)	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	50	IHATE10060**	IHATE20060**	52,500	75,100	IHATE4006\$**	IHATE5006\$**	70,400	1,11,300
800	50	IHATE10080**	IHATE20080**	54,600	79,000	IHATE4008\$**	IHATE5008\$**	80,900	1,12,900
1000	50	IHATE10100**	IHATE20100**	57,800	88,200	IHATE4010\$**	IHATE5010\$**	85,600	1,20,800
1250	50	IHATE10120**	IHATE20120**	75,100	1,14,700	IHATE4012\$**	IHATE5012\$**	1,10,800	1,43,900
1600	50	IHATE10160**	IHATE20160**	79,300	1,19,700	IHATE4016\$**	IHATE5016\$**	1,18,100	1,54,400
2000	50	IHATE10200**	IHATE20200**	92,400	1,47,000	IHATE4020\$**	IHATE5020\$**	1,32,300	1,80,600
2500	75	IHATH10250**	IHATH20250**	1,08,200	1,75,400	IHATH4025\$**	IHATH5025\$**	1,45,400	2,05,300
3200	100	IHATV10320**	IHATV20320**	1,72,700	2,34,200	IHATV4032\$**	IHATV5032\$**	2,06,500	2,65,700
4000	100	IHATV10400**	IHATV20400**	2,84,600	3,14,000	IHATV4040\$**	IHATV5040\$**	3,12,900	3,48,100



ACB without Release 4 Pole

Current Rating	Breaking Capacity	Ordering Code		LP in Rs.		Ordering Code		LP in Rs.	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
(A)	415V (KA)	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	50	IHAPE10060**	IHAPE20060**	63,000	1,02,400	IHAPE4006\$**	IHAPE5006\$**	95,800	1,41,800
800	50	IHAPE10080**	IHAPE20080**	66,200	1,06,100	IHAPE4008\$**	IHAPE5008\$**	1,02,100	1,43,100
1000	50	IHAPE10100**	IHAPE20100**	74,600	1,16,600	IHAPE4010\$**	IHAPE5010\$**	1,08,700	1,52,800
1250	50	IHAPE10120**	IHAPE20120**	1,02,400	1,48,100	IHAPE4012\$**	IHAPE5012\$**	1,36,000	1,80,600
1600	50	IHAPE10160**	IHAPE20160**	1,06,600	1,63,800	IHAPE4016\$**	IHAPE5016\$**	1,44,100	1,95,300
2000	50	IHAPE10200**	IHAPE20200**	1,29,700	1,96,400	IHAPE4020\$**	IHAPE5020\$**	1,68,000	2,33,600
2500	75	IHAPE10250**	IHAPE20250**	1,47,700	2,35,200	IHAPE4025\$**	IHAPE5025\$**	1,81,700	2,66,200
3200***	100	IHAPE10320**	IHAPE20320**	2,19,500	2,95,600	IHAPE4032\$**	IHAPE5032\$**	2,57,800	3,28,700
4000***	100	IHAPE10400**	IHAPE20400**	3,40,700	3,95,300	IHAPE4040\$**	IHAPE5040\$**	3,94,100	4,24,200

\$ Please refer table 1 to replace \$ at page-20

** Please refer table 2 to replace ** at page-20

Please refer table 3 to replace # at page-20

*** 4000 A, 4 Pole ACB is also available with 100% Neutral Pole (Price available on request)

Note : Prices on request

ACB range 630A to 4000A (IPR 3)

ACB with Microprocessor Release IPR 1 3 Pole

Current Rating	Breaking Capacity	Ordering Code		LP in Rs.		Ordering Code		LP in Rs.	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
(A)	415V (KA)	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	65	IHATS11060**#	IHATS21060**#	84,800	116,000	IHATS4106\$**#	IHATS5106\$**#	111,300	152,300
800	65	IHATS11080**#	IHATS21080**#	87,500	119,900	IHATS4108\$**#	IHATS5108\$**#	121,800	153,800
1000	65	IHATS11100**#	IHATS21100**#	91,900	129,200	IHATS4110\$**#	IHATS5110\$**#	126,500	161,700
1250	65	IHATS11120**#	IHATS21120**#	116,000	155,600	IHATS4112\$**#	IHATS5112\$**#	151,700	184,800
1600	65	IHATS11160**#	IHATS21160**#	120,200	160,700	IHATS4116\$**#	IHATS5116\$**#	159,100	195,300
2000	65	IHATS11200**#	IHATS21200**#	133,400	188,000	IHATS4120\$**#	IHATS5120\$**#	173,300	221,600



ACB with Microprocessor Release IPR 1 4 Pole

Current Rating	Breaking Capacity	Ordering Code		LP in Rs.		Ordering Code		LP in Rs.	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
(A)	415V (KA)	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	65	IHAFS11060**#	IHAFS21060**#	1,00,800	1,43,300	IHAFS4106\$**#	IHAFS5106\$**#	1,36,700	1,82,700
800	65	IHAFS11080**#	IHAFS21080**#	1,05,000	1,47,000	IHAFS4108\$**#	IHAFS5108\$**#	1,43,000	1,84,100
1000	65	IHAFS11100**#	IHAFS21100**#	1,12,900	1,57,500	IHAFS4110\$**#	IHAFS5110\$**#	1,49,600	1,93,700
1250	65	IHAFS11120**#	IHAFS21120**#	1,43,300	1,89,000	IHAFS4112\$**#	IHAFS5112\$**#	1,76,900	2,21,600
1600	65	IHAFS11160**#	IHAFS21160**#	1,47,500	2,04,800	IHAFS4116\$**#	IHAFS5116\$**#	1,85,000	2,36,300
2000	65	IHAFS11200**#	IHAFS21200**#	1,70,600	2,37,300	IHAFS4120\$**#	IHAFS5120\$**#	2,09,000	2,74,600



ACB with Microprocessor Release IPR 2 3 Pole

Current Rating	Breaking Capacity	Ordering Code		LP in Rs.		Ordering Code		LP in Rs.	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
(A)	415V (KA)	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	65	IHATS12060**#	IHATS22060**#	93,200	1,24,400	IHATS4206\$**#	IHATS5206\$**#	1,19,700	1,60,700
800	65	IHATS12080**#	IHATS22080**#	95,900	1,28,300	IHATS4208\$**#	IHATS5208\$**#	1,30,200	1,62,200
1000	65	IHATS12100**#	IHATS22100**#	1,00,300	1,37,600	IHATS4210\$**#	IHATS5210\$**#	1,34,900	1,70,100
1250	65	IHATS12120**#	IHATS22120**#	1,24,400	1,64,000	IHATS4212\$**#	IHATS5212\$**#	1,60,100	1,93,200
1600	65	IHATS12160**#	IHATS22160**#	1,28,600	1,69,100	IHATS4216\$**#	IHATS5216\$**#	1,67,500	2,03,700
2000	65	IHATS12200**#	IHATS22200**#	1,41,800	1,96,400	IHATS4220\$**#	IHATS5220\$**#	1,81,700	2,30,000

\$ Please refer table 1 to replace \$ at page-22

** Please refer table 2 to replace ** at page-22

Please refer table 3 to replace # at page-22

Note : Prices on request
ACB range 630A to 2000A (65kA) (IPR 3)

Industrial Switchgear Air Circuit Breaker

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Maximum Retail Prices (MRP) are in Indian ₹
as per Regular Terms & Conditions



Air Circuit Breaker

(Conforms to IEC:60947 - 2 / IS: 13947 - 2)

ACB with Microprocessor Release IPR 2 4 Pole

Current Rating	Breaking Capacity	Ordering Code		LP in Rs.		Ordering Code		LP in Rs.	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
(A)	415V (KA)	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	65	IHAFS12060**#	IHAFS22060**#	1,09,200	1,51,700	IHAFS4206\$**#	IHAFS5206\$**#	1,45,100	1,91,100
800	65	IHAFS12080**#	IHAFS22080**#	1,13,400	1,55,400	IHAFS4208\$**#	IHAFS5208\$**#	1,51,400	1,92,500
1000	65	IHAFS12100**#	IHAFS22100**#	1,21,300	1,65,900	IHAFS4210\$**#	IHAFS5210\$**#	1,58,000	2,02,100
1250	65	IHAFS12120**#	IHAFS22120**#	1,51,700	1,97,400	IHAFS4212\$**#	IHAFS5212\$**#	1,85,300	2,30,000
1600	65	IHAFS12160**#	IHAFS22160**#	1,55,900	2,13,200	IHAFS4216\$**#	IHAFS5216\$**#	1,93,400	2,44,700
2000	65	IHAFS12200**#	IHAFS22200**#	1,79,000	2,45,700	IHAFS4220\$**#	IHAFS5220\$**#	2,17,400	2,83,000



ACB Without Release 3 Pole

Current Rating	Breaking Capacity	Ordering Code		LP in Rs.		Ordering Code		LP in Rs.	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
(A)	415V (KA)	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	65	IHATS10060**#	IHATS20060**#	70,100	1,01,300	IHATS4006\$**#	IHATS5006\$**#	96,600	1,37,600
800	65	IHATS10080**#	IHATS20080**#	72,800	1,05,200	IHATS4008\$**#	IHATS5008\$**#	1,07,100	1,39,100
1000	65	IHATS10100**#	IHATS20100**#	77,200	1,14,500	IHATS4010\$**#	IHATS5010\$**#	1,11,800	1,47,000
1250	65	IHATS10120**#	IHATS20120**#	1,01,300	1,40,900	IHATS4012\$**#	IHATS5012\$**#	1,37,000	1,70,100
1600	65	IHATS10160**#	IHATS20160**#	1,05,500	1,46,000	IHATS4016\$**#	IHATS5016\$**#	1,44,400	1,80,600
2000	65	IHATS10200**#	IHATS20200**#	1,18,700	1,73,300	IHATS4020\$**#	IHATS5020\$**#	1,58,600	2,06,900



ACB Without Release 4 Pole

Current Rating	Breaking Capacity	Ordering Code		LP in Rs.		Ordering Code		LP in Rs.	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
(A)	415V (KA)	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	65	IHAFS10060**#	IHAFS20060**#	86,100	1,28,600	IHAFS4006\$**#	IHAFS5006\$**#	1,22,000	1,68,000
800	65	IHAFS10080**#	IHAFS20080**#	90,300	1,32,300	IHAFS4008\$**#	IHAFS5008\$**#	1,28,300	1,69,400
1000	65	IHAFS10100**#	IHAFS20100**#	98,200	1,42,800	IHAFS4010\$**#	IHAFS5010\$**#	1,34,900	1,79,000
1250	65	IHAFS10120**#	IHAFS20120**#	1,28,600	1,74,300	IHAFS4012\$**#	IHAFS5012\$**#	1,62,200	2,06,900
1600	65	IHAFS10160**#	IHAFS20160**#	1,32,800	1,90,100	IHAFS4016\$**#	IHAFS5016\$**#	1,70,300	2,21,600
2000	65	IHAFS10200**#	IHAFS20200**#	1,55,900	2,22,600	IHAFS4020\$**#	IHAFS5020\$**#	1,94,300	2,59,900

\$ Please refer table 1 to replace \$ at page-22

** Please refer table 2 to replace ** at page-22

Please refer table 3 to replace # at page-22

Note : Prices on request

ACB range 630A to 4000A (65kA) (IPR 3)

1. Microprocessor Based OCR (IPR)

S.No.	SAP Code	Description	LP in Rs.
1-1	ISACX0172	IPR-E	10,000
1-2	ISACX0214	IPR-1	15,000
1-3	ISACX0173	IPR-2	20,000
1-4	ISACX0199	IPR-3	45,000
1-5	SACX0346	Communication software for IPR-3	Av. on request

2. Spring Charging Motor

S.No.	SAP Code	Description	LP in Rs.
2-1	ISACX0358	Charging Motor 110 V	25,000
2-2	ISACX0147	Charging Motor 230 V	25,000

3. Main CTs *1

S.No.	SAP Code	Description	LP in Rs.
3-1	ICELFACL018	CT 400A	1,950
3-2	ICELFACL001	CT 630A	1,950
3-3	ICELFACL002	CT 800A	1,950
3-4	ICELFACL003	CT 1000A	1,950
3-5	ICELFACL004	CT 1250A	1,950
3-6	ICELFACL005	CT 1600A	2,100
3-7	ICELFACL006	CT 2000A	2,500
3-8	ICELFACL007	CT 2500A	3,000

4. Neutral CTs *2

S.No.	SAP Code	Description	LP in Rs.
4-1	ICELFACL019	NCT 400A	1,950
4-2	ICELFACL012	NCT 630A	1,950
4-3	ICELFACL013	NCT 800A	1,950
4-4	ICELFACL014	NCT 1000A	1,950
4-5	ICELFACL015	NCT 1250A	1,950
4-6	ICELFACL016	NCT 1600A	2,100
4-7	ICELFACL017	NCT 2000A	2,500
4-8	ICELFACL021	NCT 2500A	3,500
4-9	ICELFACL022	NCT 3200A	4,000
4-10	ICELFACL023	NCT 4000A	4,500

5. Under Voltage Trip Device (UVT)

S.No.	SAP Code	Description	LP in Rs.
5-1	ISACX0193	24 VDC	3,000
5-2	ISACX0195	110 VAC/DC	3,000
5-3	ISACX0196	220 VAC/DC	3,000
5-4	ISACX0197	415 VAC	3,500

6. Shunt Trip / Closing Coil

S.No.	SAP Code	Description	LP in Rs.
6-1	ISACX0170	24 VDC	2,500
6-2	ISACX0168	110 VAC/DC	2,500
6-3	ISACX0167	220 VAC/DC	2,500
6-4	ISACX0212	415 VAC	2,500

7. Key Lock / Key Interlock

S.No.	SAP Code	Description	LP in Rs.
7-1	ISACX0353	Key lock (1 lock+1 key)	750
7-2	ISACX0181	Key interlock (2 locks+1 keys)	1,400
7-3	ISACX0210	Key interlock (3 locks+2 keys)	2,100
7-4	ISACX0322	Castle Lock Unit	3,180

8. Adaptor Type Terminals (additional price)

(6 nos. reqd. for 3 pole & 8 nos. for 4 pole ACB)

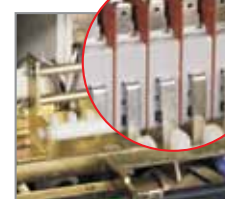
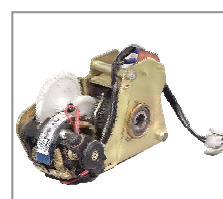
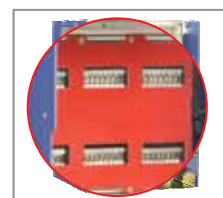
S.No.	SAP Code	Description	LP in Rs. (each no.)
8-1	SACP0174	630/800A	1,500
8-2	SACP0175	1000/1250A	2,000
8-3	SACP0179	1600A	2,200
8-4	SACP0176	2000A	2,500

9. Other Accessories

S.No.	SAP Code	Description	LP in Rs.
9-1	ISACX0301	On/Off Button cover	250
9-2	ISACX0207	Spring charge indication switch	450
9-3	ISACX0208	Door Interlock	1,750
9-4	ISACX0349	Trip indication Switch	425
9-5	ISACX0303	Mal Insertion prevention device	400
9-6	ISACX0139	Aux. switch (5 c/o additional)	1,250
9-7	ISACX0182	Position indication switch	1,750
9-8	ISACX0302	Field test unit	1,500
9-9	ISACX0028	Close open cycle counter	1,500
9-10	ISACX0341	Drawout position Lock	1,500
9-11	ISACX0340	Mechanical Interlock	Av. on request

*1 For 3200A & 4000A rating ACBs 2 nos each of 1600 & 2000A CTs are use respectively in series on each pole.

*2 This CT is required for GFT in 3 pole ACBs for 4 Pole ACBs main CTs is used as neutral CT.



Industrial Switchgear Air Circuit Breaker

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as per Regular Terms & Conditions

Titania Air Circuit Breaker

(Conforms to IEC:60947 - 2 / IS: 13947 - 2)

Table 1

Closing Coil & Charging Motor		
CC (Voltage)	CM (Voltage)	\$
24	220	A
110	220	B
220	220	C
415	220	D
24	110	E
110	110	F
220	110	G
415	110	H

Table 3

Current Transformer	#
400A	A
630A	B
800A	C
1000A	D
1250A	E
1600A	F
2000A	G
2500A	H
3200A	I
4000A	J
CT Rating is same as of ACB	0 (Zero)

Table 2

UVT & SHT		
UVT (Voltage)	SHT (Voltage)	**
415	24	01 (Zero one)
415	110	02
415	220	03
415	415	04
415	0	05
220	24	06
220	110	07
220	220	08
220	415	09
220	0	10
110	24	11
110	110	12
110	220	13
110	415	14
110	0	15
24	24	16
24	110	17
24	220	18
24	415	19
24	0	20
0	24	21
0	110	22
0	220	23
0	415	24
0	0	00 (Zero Zero)



*ACBs are supplied with following accessories as standard fitment:

Manual Fixed	Manual Drawout	Electrical Fixed	Electrical Drawout
Aux. Contact Unit 5CO	Aux. Contact Unit 5CO Safety Shutter Aux. Isolating contact unit Horizontal Terminals	Aux. Contact Unit 5CO Shunt Trip Device Charging Motor Closing Coil	Aux. Contact Unit 5CO Safety Shutter Aux. Isolating contact unit Horizontal Terminals Shunt Trip Device Charging Motor Closing Coil

*Additional accessories except standard fitment are available on extra price.

*Neutral CT is supplied as a standard fitment in 4 Pole ACBs.

*Neutral CT prices are to be added for 3 Pole ACBs for ground fault protection.

*All orders should be accompanied with ACB order form included in catalogue.



Order Form

Please check ☒ in front of appropriate box. Fill separate sheet for each type of ACB

CUSTOMER/ DEALER NAME		ORDER NO./DATE		END USER NAME	
Rating of ACB	630A	1000A	1600A	2500A	4000A
	800A	1250A	2000A	3200A	
Qty.					
Series	E	S	H	V	
No. of Poles	2	3	4	4	
			(100% Neutral)	(50% Neutral for V-Series only)	
Mounting	Fixed	Drawout	Standard (for E&S series) Vertical terminals (for H&V series)		
Note: For E & S series - Adapter terminals are on demand					
Spring Charging Operation	Manual	Electrical	Closing Coil _____ VAC/DC Tripping Coil _____ VAC/DC Motor _____ V		
Release					
	Without Release	IPR E	IPR 1	IPR 2	IPR 3
	CT Rating _____ A,		Neutral CT		
	Setting: O/L _____ A,		S/C _____ A,		
	Inst. _____ A,		GFT _____ A,		
Note: Unless otherwise specified O/L will be set at maximum value and all other settings would be set at mid values.					
Other Accessories	Close open cycle counter		Five c/o additional Aux. contacts		
	Field test unit		Shunt Trip		
	Position Indication Switch		UVT		
	Spring Charge Indication Switch		Trip Indication Switch		
	Mechanical Interlock		Key Lock		
	Mal Insertion Prevention device		Key Interlock	2L+1K	
	Door Interlock			3L+2K	

Note :

- Please specify the voltages for closing coil, shunt trip coil and UVT, available voltages are 24VDC, 110VAC/DC, 220VAC/DC and 415V AC and for motor available voltages are 220V AC / DC and 110V AC / DC.
- For details of Over current release, please refer the technical catalogue.

Havells Ordering Code Logic for ACB

1	2	3	4	5	6 & 7	8	9 & 10	11
ACB	POLE	SERIES	TYPE OF MOUNTING	IPR	RATING	CLOSING COIL & CHARGING MOTOR	UVT & SHUNT TRIP	CURRENT TRANSFORMER
A	T	E S	1 > MF 2 > MH 3 > MA 4 > EF 5 > EH 6 > EA	E > IPRE 0 > IPR0 1 > IPR1 2 > IPR2 3 > IPR3	06 : 630A 08 : 800A 10 : 1000A 12 : 1250A 16 : 1600A 20 : 2000A 25 : 2500A 32 : 3200A 40 : 4000A	\$ Please refer to Table No. 1 at Page No. 22	** Please refer to Table No. 2 at Page No. 22	# Please refer to Table No. 3 at Page No. 22
	F	H V						

T > Three F > Four	E > 50KA S > 65KA H > 75KA V > 100KA	MF > Manual Fixed MH > Manual Drawout MA > Manual Drawout with adapter terminals (for E & S Series only) EF > Electrical Fixed EH > Electrical Drawout EA > Electrical Drawout with adapter terminals (for E & S Series only)	0 > Without Release
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Loadline Moulded Case Circuit Breakers (AC 415V)

Loadline MCCBs (Conforms to IEC:60947-II / IS:13947-II)

Fixed thermal & fixed magnetic setting

Breaking Capacity Icu at 415V (kA)	Current Rating	Frame	Execution					
			Double Pole		Three Pole		Four Pole wSN	
			Cat. No.	MRP ₹	Cat. No.	MRP ₹	Cat. No.	MRP ₹
10	15A	SH	IHLSHAAD0015	1,400	IHLSHAAT0015	1,700	IHLSHAAF0015	2,200
	20A		IHLSHAAD0020		IHLSHAAT0020		IHLSHAAF0020	
	32A		IHLSHAAD0032		IHLSHAAT0032		IHLSHAAF0032	
	40A		IHLSHAAD0040		IHLSHAAT0040		IHLSHAAF0040	
	50A		IHLSHAAD0050	1,500	IHLSHAAT0050	1,750	IHLSHAAF0050	2,500
	63A		IHLSHAAD0063		IHLSHAAT0063		IHLSHAAF0063	
	75A		IHLSHAAD0075		IHLSHAAT0075		IHLSHAAF0075	
	100A		IHLSHAAD0100 #		IHLSHAAT0100 #		IHLSHAAF0100 #	



Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Single Pole Cat. No.	MRP	Three Pole Cat. No.	MRP	Four Pole (wSN) Cat. No.	MRP
10	25	GS	IHLGSS0025	1,000	IHLGST0025	1,900	IHLGSF0025	2,500
	32		IHLGSS0032		IHLGST0032		IHLGSF0032	
	40		IHLGSS0040		IHLGST0040		IHLGSF0040	
	50		IHLGSS0050		IHLGST0050		IHLGSF0050	
	63		IHLGSS0063		IHLGST0063		IHLGSF0063	
	80		IHLGSS0080 #	1,300	IHLGST0080 #	2,000	IHLGSF0080 #	3,000
	100		IHLGSS0100 #		IHLGST0100 #		IHLGSF0100 #	
	125		IHLGSS0125 #		IHLGST0125 #		IHLGSF0125 #	
	150		IHLGSS0150 #		IHLGST0150 #		IHLGSF0150 #	
	160		IHLGSS0160 #		IHLGST0160 #		IHLGSF0160 #	



Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Single Pole Cat. No.	MRP	Three Pole Cat. No.	MRP	Four Pole (wSN) Cat. No.	MRP
16	25	GN	IHLGNS0025	1,350	IHLGNT0025	3,800	IHLGNF0025	4,500
	32		IHLGNS0032		IHLGNT0032		IHLGNF0032	
	40		IHLGNS0040		IHLGNT0040		IHLGNF0040	
	50		IHLGNS0050		IHLGNT0050		IHLGNF0050	
	63		IHLGNS0063		IHLGNT0063		IHLGNF0063	
	80		IHLGNS0080 #	1,375	IHLGNT0080 #	4,200	IHLGNF0080 #	5,100
	100		IHLGNS0100 #		IHLGNT0100 #		IHLGNF0100 #	
	125		IHLGNS0125 #		IHLGNT0125 #		IHLGNF0125 #	
	150		IHLGNS0150 #		IHLGNT0150 #		IHLGNF0150 #	
	160		IHLGNS0160 #		IHLGNT0160 #		IHLGNF0160 #	



* In GS 25A / 32A / 40A / 50A / 63A are without extended terminals. However extended terminal are available on request at extra price for these rating
MCCB's of rating 80A to 160A are with extended terminals.

MCCBs of rating 80A & above are also available without extended terminals / spreader links(Price on Request).

Loadline Moulded Case Circuit Breakers (AC 415V)

Loadline MCCBs (Conforms to IEC:60947-II / IS:13947-II)

Fixed thermal & fixed magnetic setting

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Single Pole Cat. No.	MRP	Three Pole Cat. No.	MRP	Four Pole (wSN) Cat. No.	MRP
25	25	GH	IHLGHS0025	1,475	IHLGHT0025	3,880	IHLGHF0025	4,600
	32		IHLGHS0032		IHLGHT0032		IHLGHF0032	
	40		IHLGH S0040		IHLGH T0040		IHLGHF0040	
	50		IHLGHS0050		IHLGHT0050		IHLGHF0050	
	63		IHLGHS0063		IHLGHT0063		IHLGHF0063	
	80		IHLGHS0080 #		IHLGHT0080 #	4,200	IHLGHF0080 #	5,200
	100		IHLGHS0100 #		IHLGHT0100 #	4,200	IHLGHF0100 #	5,200
	125		IHLGHS0125 #	1,500	IHLGHT0125 #	4,410	IHLGHF0125 #	5,800
	150		IHLGHS0150 #	1,500	IHLGHT0150 #	5,400	IHLGHF0150 #	6,300
	160		IHLGHS0160 #	1,500	IHLGHT0160 #	5,400	IHLGHF0160 #	6,360



Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	MRP	Four Pole (wSN) Cat. No.	MRP
35	25	FN	IHLFNT0025 #	6,700	IHLFNF0025 #	7,500
	32		IHLFNT0032 #		IHLFNF0032 #	
	40		IHLFNT0040 #		IHLFNF0040 #	
	50		IHLFNT0050 #		IHLFNF0050 #	
	63		IHLFNT0063 #		IHLFNF0063 #	
	80		IHLFNT0080 #	7,000	IHLFNF0080 #	8,200
	100		IHLFNT0100 #	7,000	IHLFNF0100 #	8,200
	125		IHLFNT0125 #	7,500	IHLFNF0125 #	9,000
	160		IHLFNT0160 #	8,000	IHLFNF0160 #	10,000
	200		IHLFNT0200 #	9,700	IHLFNF0200 #	13,000
	250		IHLFNT0250 #	11,500	IHLFNF0250 #	15,000



Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	MRP	Four Pole (wSN) Cat. No.	MRP
50	25	FH	IHLFHT0025 #	7,500	IHLFHF0025 #	9,100
	32		IHLFHT0032 #		IHLFHF0032 #	
	40		IHLFHT0040 #		IHLFHF0040 #	
	50		IHLFHT0050 #		IHLFHF0050 #	
	63		IHLFHT0063 #		IHLFHF0063 #	
	80		IHLFHT0080 #	8,000	IHLFHF0080 #	9,500
	100		IHLFHT0100 #	8,000	IHLFHF0100 #	9,500
	125		IHLFHT0125 #	8,200	IHLFHF0125 #	10,500
	160		IHLFHT0160 #	8,800	IHLFHF0160 #	11,000
	200		IHLFHT0200 #	10,000	IHLFHF0200 #	13,500
	250		IHLFHT0250 #	12,000	IHLFHF0250 #	16,000



Note : Switch Disconnecter versions in different frame sizes are also available for following ratings (Prices on request)

G Frame 100A, 125A

* In GN & GH 25A / 32A / 40A / 50A / 63A are without extended terminals, however extended terminals are available on request at extra price for these ratings

MCCBs of rating 80A to 160A are with extended terminals.

MCCB's of rating 80A & above are also available without extended terminals / spreader links (Price on Request).

* In F Frame MCCBs of ratings 25A-250A are with extended terminals and are also available without extended terminals (Price on Request).

Loadline Moulded Case Circuit Breakers (AC 415V)

Loadline MCCBs (Conforms to IEC:60947-II / IS:13947-II)

Adjustable thermal* & fixed magnetic setting

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	MRP	Four Pole (wSN) Cat. No.	MRP
16	160	AS	IHLAST0160 #	5,565	IHLASF0160 #	8,000
	200		IHLAST0200 #	6,400	IHLASF0200 #	8,750



Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Single Pole Cat. No.	MRP	Three Pole Cat. No.	MRP	Four Pole (wSN) Cat. No.	MRP
25	25	AS	IHLASS0025	2,140	IHLAST0025	4,000	IHLASF0025	5,525
	32		IHLASS0032		IHLAST0032		IHLASF0032	
	40		IHLASS0040		IHLAST0040		IHLASF0040	
	50		IHLASS0050		IHLAST0050		IHLASF0050	
	63		IHLASS0063		IHLAST0063		IHLASF0063	
	80		IHLASS0080 #		IHLAST0080 #	4,350	IHLASF0080 #	5,830
	100		IHLASS0100 #		IHLAST0100 #	4,350	IHLASF0100 #	5,830
	125	AN	IHLASS0125 #	3,555	IHLAST0125 #	6,000	IHLASF0125 #	7,000
	160		IHLANS0160 #	3,980	IHLANT0160 #	7,300	IHLANF0160 #	9,060
	200		IHLANS0200 #	4,545	IHLANT0200 #	9,300	IHLANF0200 #	11,500
	250		IHLANS0250 #	5,110	IHLANT0250 #	11,000	IHLANF0250 #	14,000



Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	MRP	Four Pole (wSN) Cat. No.	MRP
35	25	AN	IHLANT0025	5,400	IHLANF0025	6,600
	32		IHLANT0032		IHLANF0032	
	40		IHLANT0040		IHLANF0040	
	50		IHLANT0050		IHLANF0050	
	63		IHLANT0063		IHLANF0063	
	80		IHLANT0080 #	6,000	IHLANF0080 #	7,000
	100		IHLANT0100 #	6,000	IHLANF0100 #	7,000
	125		IHLANT0125 #	6,200	IHLANF0125 #	7,300



Note : *Adjustable thermal (70% -100%)

Switch Disconnecter versions in different frame sizes are also available for following ratings (Prices on request)

- A Frame 200A, 250A

In A Frame 25A / 32A / 40A / 50A / 63A are without extended terminals, however extended terminals are available on request at extra price for these ratings

All MCCB's of rating 80A & above are with extended terminals. MCCB's of rating 80A & above are also available without extended terminals / spreader links (Price on Request).

Adjustable thermal* & fixed magnetic setting



Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	MRP	Four Pole (wSN) Cat. No.	MRP
36	250	LS	IHLLSEBT0250 #	12,500	IHLLSEBF0250 #	16,300
	315		IHLLSEBT0315 #	15,500	IHLLSEBF0315 #	20,150
	400		IHLLSEBT0400 #	15,500	IHLLSEBF0400 #	20,150
	500		IHLLSEBT0500 #	17,965	IHLLSEBF0500 #	23,350
	630		IHLLSEBT0630 #		IHLLSEBF0630 #	
Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	MRP	Four Pole (wSN) Cat. No.	MRP
50	250	LN	IHLLNFBT0250 #	14,420	IHLLNFBF0250 #	18,750
	315		IHLLNFBT0315 #	17,850	IHLLNFBF0315 #	23,200
	400		IHLLNFBT0400 #	17,850	IHLLNFBF0400 #	23,200
	500		IHLLNFBT0500 #	20,660	IHLLNFBF0500 #	26,850
	630		IHLLNFBT0630 #		IHLLNFBF0630 #	

Note : In L-Frame 630A (Price on Request)

*Adjustable thermal (80% -100%)



Loadline Moulded Case Circuit Breakers (AC 415V)

Loadline MCCBs (Conforms to IEC:60947-II / IS:13947-II)

Adjustable thermal & adjustable magnetic setting*

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	MRP	Four Pole (wSN) Cat. No.	MRP
36	250	LS	IHLLSECT0250 #	14,500	IHLLSECF0250 #	18,850
	315		IHLLSECT0315 #	17,000	IHLLSECF0315 #	22,100
	400		IHLLSECT0400 #	17,000	IHLLSECF0400 #	22,100
	500		IHLLSECT0500 #	20,000	IHLLSECF0500 #	26,000
	630		IHLLSECT0630 #		IHLLSECF0630 #	

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	MRP	Four Pole (wSN) Cat. No.	MRP
50	250	LN	IHLLNFCT0250 #	16,680	IHLLNFCF0250 #	21,700
	315		IHLLNFCT0315 #	19,550	IHLLNFCF0315 #	25,400
	400		IHLLNFCT0400 #	19,550	IHLLNFCF0400 #	25,400
	500		IHLLNFCT0500 #	23,000	IHLLNFCF0500 #	29,900
	630		IHLLNFCT0630 #		IHLLNFCF0630 #	

Note : In L-Frame 630A (Price on Request)

* Adjustable thermal (80%-100%)

All MCCBs are with extended terminals & also available without extended terminal/spreader links (Price on Request)

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	MRP	Four Pole (wSN) Cat. No.	MRP
35	160	CN	IHLCNT0160 #	12,000	IHLCNF0160 #	15,800
	200		IHLCNT0200 #	13,200	IHLCNF0200 #	17,000
	250		IHLCNT0250 #	16,400	IHLCNF0250 #	19,500
	315		IHLCNT0315 #	19,000	IHLCNF0315 #	25,000
	400		IHLCNT0400 #	19,000	IHLCNF0400 #	25,000
	500		IHLCNT0500 #	22,000	IHLCNF0500 #	27,000
	630		IHLCNT0630 #	22,000	IHLCNF0630 #	27,000
	800		IHLCNT0800 #	28,000	IHLCNF0800 #	34,680

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	MRP	Four Pole (wSN) Cat. No.	MRP
50	160	CH	IHLCHT0160 #	13,800	IHLCHF0160 #	17,000
	200		IHLCHT0200 #	15,000	IHLCHF0200 #	19,000
	250		IHLCHT0250 #	18,500	IHLCHF0250 #	21,435
	315		IHLCHT0315 #	20,000	IHLCHF0315 #	26,500
	400		IHLCHT0400 #	20,000	IHLCHF0400 #	26,500
	500		IHLCHT0500 #	24,540	IHLCHF0500 #	30,500
	630		IHLCHT0630 #	24,540	IHLCHF0630 #	31,000
	800		IHLCHT0800 #	30,000	IHLCHF0800 #	36,000

Breaking Capacity Icu at 415V (kA)	current Rating (A)	Frame	Three Pole Cat. No.	MRP	Four Pole (wSN) Cat. No.	MRP
50	1000	DN	IHLDNT1000 #	75,250	IHLDNF1000#**	86,260
	1250		IHLDNT1250 #	86,270	IHLDNF1250#**	1,04,845
	1600		IHLDNT1600 #	92,990	-	-

Note : *Adjustable thermal (70%-100%) & adjustable magnetic from 160-315A (5-10 times)/400-800A (4-10times). Switch Disconnector versions in different frame sizes are also available for following ratings (Prices on request)

- C Frame 315A, 400A, 630A, 800A

- D Frame 1250A, 1600A

All MCCB's are with extended terminals.

** In case of DN Frame for 4P wSN confirmation of delivery on request.

MCCB's are also available without extended terminals / spreader links.



Loadline Moulded Case Circuit Breakers (DC 250V)

Loadline MCCBs (Conforms to IEC:60947-II / IS:13947-II)

Fixed thermal & fixed magnetic setting

Breaking Capacity Icu at 250VDC (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	MRP
5	25	GN	IHMCGNT0025	3,805
	32		IHMCGNT0032	
	40		IHMCGNT0040	
	50		IHMCGNT0050	
	63		IHMCGNT0063	
	80		IHMCGNT0080 #	
	100		IHMCGNT0100 #	
	125		IHMCGNT0125 #	4,745



Adjustable thermal* & fixed magnetic setting

Breaking Capacity Icu at 250VDC (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	MRP
10	160	AN	IHMCANT0160 #	10,600
	200		IHMCANT0200 #	11,500
	250		IHMCANT0250 #	12,965



Adjustable thermal & adjustable magnetic setting*

Breaking Capacity Icu at 250VDC (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	MRP
20	160	CH	IHMCCHT0160 #	14,545
	200		IHMCCHT0200 #	16,000
	250		IHMCCHT0250 #	20,555
	315		IHMCCHT0315 #	21,500
	400		IHMCCHT0400 #	21,500
	500		IHMCCHT0500 #	25,500
	630		IHMCCHT0630 #	25,500
	800		IHMCCHT0800 #	32,000

Note : *Adjustable thermal (70%-100%) & adjustable magnetic from 160-315A (5-10 times) / 400-800A (4-10 times).

All the above MCCBs are with extended terminals.

It is recommended for DC circuits, two poles are connected in series for the positive phase and the third pole be connected in the negative phase.



Accessories for Loadline Moulded Case Circuit Breakers

Description	'G' Frame		'A' Frame		'F' Frame		'C' Frame		'D' Frame		'L' Frame	
	Cat. No.	MRP	Cat. No.	MRP	Cat. No.	MRP	Cat. No.	MRP	Cat. No.	MRP	Cat. No.	MRP

Shunt Trip

100-110Vac	IHLGS110	580	IHLAS110	685	IHLSTF110	680	IHLCS110	1,200	IHLLSTD110	1,665	IHLLS110	1,000
220-240Vac	IHLGS240	580	IHLAS240	685	IHLSTF240	680	IHLCS240	1,200	IHLLSTD240	1,665	IHLLS240	1,000
380-415Vac	IHLGS415	—	IHLAS415	685	IHLSTF415	680	IHLCS415	1,200	IHLLSTD415	1,665	IHLLS415	1,000

Under Voltage Release

110-120Vac	IHLGU110	1,080	IHLAU110	1,090	IHLUVRF110	1,080	IHLCU110	1,230	IHLUVRD110	1,665	IHLLU110	1,100
220-240Vac	IHLGU240	1,080	IHLAU240	1,090	IHLUVRF240	1,080	IHLCU240	1,230	IHLUVRD240	1,665	IHLLU240	1,100
380-440Vac	IHLGU440	1,080	IHLAU440	1,090	IHLUVRF440	1,080	IHLCU440	1,230	IHLUVRD440	1,665	IHLLU415	1,100

Auxiliary Contact (250Vac/250Vdc) (450Vac/250Vdc)

1-Changeover	IHLLASG1CO	680	IHLLASA1CO	680	IHLLASF1CO	680	IHLLASC1CO	920	IHLLASD1CO	1,230	IHLLA1CO	800
2-Changeover	IHLLASG2CO	680	IHLLASA2CO	1,000	IHLLASF2CO	855	IHLLASC2CO	1,140	IHLLASD2CO	1,520	IHLLA2CO	975

Rotary Handle

Direct mounting	IHLGD000	855	IHLAD000	1,000								
Door Mounting	IHLGRN30	855	IHLARN30	1,000	IHLRRHF30	1,000	IHLRRHC30	1,465	IHLRRHD30	1,800	IHLARN30	1,200

Trip Alarm Contact (Factory Fitted)	IHLLALG1CO	655	IHLLALA1CO	680	IHLLALF1CO	680	IHLLALC1CO	915	—	—	IHLB000	800
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Back Studs	—	—	IHLBSA250	\$	—	—	IHLBSC###	\$	—	—		
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Note : Following additional accessories are available on request :

- Terminal Shrouds for G, A, F frame
- Dolly Pad Lock for G, A, F, C & L frame
- Factory fitted Castell Lock available in C and D frame
- \$ - Back Studs (Price on Request)

MCCB Enclosures

Sl.No.	Description	Cat. No.	MRP
1.	'S' Frame TP (upto 63A)	IHESTP06	650
2.	'S' Frame TP (80 & 100A)	IHESTP10	750
3.	'S' Frame FP (upto 63A)	IHESFP06	650
4.	'S' Frame FP (80 & 100A)	IHESFP10	750
5.	'G' Frame TP	IHEGTP	1,100
6.	'G' Frame FP	IHEGFP	1,100
7.	'A' Frame TP	IHEATP	1,300
8.	'A' Frame FP	IHEAFP	1,300
9.	'F' Frame TP	IHEFTP	1,300
10.	'F' Frame FP	IHEFFP	1,300
11.	'C' Frame TP (400A)	IHECTP	5,500
12.	'C' Frame FP (400A)	IHECFP	5,900
13.	'C' Frame TP (800A)	IHECTS	6,000
14.	'C' Frame FP (800A)	IHECFS	6,000

Earth Fault Relay for MCCBs

Size (Amps)	MCCBs Current Range	Cat. No.**	MRP
1	25-100	IHEF1100	4,380
2	125-200	IHEF2200	5,100
3	250-400	IHEF3400	5,830
4	500-800	IHEF4800	6,560

The above prices are inclusive of CT'S

** For operating the Earth Fault Relay a Shunt trip or an UVR has to be used.

Note : *For operating Shunt Trip for G Frame, a separate auxiliary switch would be required in which case one c/o. will be used with the shunt trip, leaving one c/o. free for use. Door mounting clamps for G & AA Frame are supplied free of cost on request basis.

Loadline Digital Moulded Case Circuit Breakers (AC 415)

(with adjustable microprocessor release)
(Conforms to IEC:60947-II / IS:13947-II)

Moulded Case Circuit Breaker
Digital

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	MRP	Four Pole (sWN) Cat. No.	MRP
35	25	FEN	IHLFENT0025 #	8,500	IHLFENF0025 #	11,000
	32		IHLFENT0032 #		IHLFENF0032 #	
	40		IHLFENT0040 #		IHLFENF0040 #	
	50		IHLFENT0050 #		IHLFENF0050 #	
	63		IHLFENT0063 #		IHLFENF0063 #	
	80		IHLFENT0080 #	9,000	IHLFENF0080 #	11,500
	100		IHLFENT0100 #		IHLFENF0100 #	
	125		IHLFENT0125 #		IHLFENF0125 #	
	160		IHLFENT0160 #		IHLFENF0160 #	
	200		IHLFENT0200 #		IHLFENF0200 #	
	250		IHLFENT0250 #	13,000	IHLFENF0250 #	16,000



Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	MRP	Four Pole (sWN) Cat. No.	MRP
50	25	FEH	IHLFEHT0025 #	9,000	IHLFEHF0025 #	11,500
	32		IHLFEHT0032 #		IHLFEHF0032 #	
	40		IHLFEHT0040 #		IHLFEHF0040 #	
	50		IHLFEHT0050 #		IHLFEHF0050 #	
	63		IHLFEHT0063 #		IHLFEHF0063 #	
	80		IHLFEHT0080 #	9,500	IHLFEHF0080 #	12,000
	100		IHLFEHT0100 #		IHLFEHF0100 #	
	125		IHLFEHT0125 #		IHLFEHF0125 #	
	160		IHLFEHT0160 #		IHLFEHF0160 #	
	200		IHLFEHT0200 #		IHLFEHF0200 #	
	250		IHLFEHT0250 #	14,000	IHLFEHF0250 #	17,000



*Adjustable thermal (40%-100%) & adjustable magnetic (6-10 times of Ir)

All the above MCCB's are with extended terminals.

Loadbank Enclosures

Conforms to IS:8623, IEC:60439

With Three
Pole outgoing
MCCB

'G' Frame Panel Boards, O/G TP MCCBs G-Frame

Incomer**	Outgoing* (No. of Ways)	Cat. No.	MRP
250A "AA" Frame MCCB	2	IHBG025002	27,260
	4	IHBG025004	33,760
	6	IHBG025006	39,850
	8	IHBG025008	42,620
	12	IHBG025012	53,680
400A "CN" Frame MCCB	16	IHBG025016	62,530
	2	IHBG040002	33,760
	4	IHBG040004	40,160
	6	IHBG040006	46,200
	8	IHBG040008	48,930
	12	IHBG040012	60,170
	16	IHBG040016	68,880

* The outgoings number of ways is the number of "G" Frame TP MCCBs that can be mounted. In case of SP MCCBs the number of MCCBs shall be three times the number of ways in TP MCCBs.

** Maximum ratings are indicated for the incoming MCCBs however lower ratings in the same frame can be ordered.

The above prices are for bare enclosures only, incoming and outgoing MCCBs have to be ordered separately.

Accessories : Cable Alley (for 'G' Frame Panel Boards) -
Outgoing TP MCCB, Incomer 'A' & 'C' Frame MCCB

Sl. No.	Description*	Cat. No.	MRP
1	Cable Alley 2WAY I/C 250A	IHBGCA002	10,770
2	Cable Alley 4WAY I/C 250A / 2WAY I/C 400A	IHBGCA04	12,510
3	Cable Alley 6W I/C 250A / 4W I/C 400A	IHBGCA06	14,385
4	Cable Alley 8WAY I/C 250A	IHBGCA08	14,385
5	Cable Alley 12WAY I/C 250A / 6 & 8WAY I/C 400A	IHBGCA12	16,532
6	Cable Alley 16WAY I/C 250A / 12WAY I/C 400A	IHBGCA16	19,451
7	Cable Alley 16WAY I/C 400A	IHBGCA46	20,575

* Each set of Cable Alley consists of two numbers, one each on LHS and RHS.

Bare Meter Module / MCB Module / Add on Module for
'G' Frame Panel Boards

Sl. No.	Description*	Cat. No.	MRP**
1.	Meter Module - Analog Provision for Ammeter, Voltmeter - Analog with selector switch	IHBGMA00	3,895
2.	Meter Module - Digital Provision for Ammeter, Voltmeter - Digital with selector switch	IHBGMD00	3,895
3.	MCB Module	IHBGMC00	4,200
4.	Add on Module	IHBGAM00	3,895

* Ammeter, Voltmeter, Selector Switch, Control Fuses, Indicating Lights, MCBs etc. have to be ordered separately and are at extra cost.

** The above prices are for bare module enclosures only.

*** Pre-wired Meter Module, Bare Meter Module, MCB Module and Add on Module are common for all range of above 'G' Frame Panel Boards.

Loadbank Enclosures

Conforms to IS:8623, IEC:60439

With Four
Pole outgoing
MCCB

'G' Frame Panel Boards, O/G FP MCCBs G-Frame

Incomer**	Outgoing* (No. of Ways)	Cat. No.	MRP
250A "AA" Frame MCCB	2	IHBGF25002	29,900
	4	IHBGF25004	37,120
	6	IHBGF25006	43,890
	8	IHBGF25008	46,880
400A "CN" Frame MCCB	12	IHBGF25012	68,775
	2	IHBGF40002	37,170
	4	IHBGF40004	44,200
	6	IHBGF40006	50,820
	8	IHBGF40008	53,870
	12	IHBGF40012	75,750

* The outgoings number of ways is the number of "G" Frame FP MCCBs that can be mounted. In case of SP MCCBs the number of MCCBs shall be four times the number of way in FP O/G MCCBs.

** Maximum ratings are indicated for the incoming MCCBs however lower ratings in the same frame can be ordered.

The above prices are for bare enclosures only, incoming and outgoing MCCBs have to be ordered separately.

Accessories : Cable Alley (for 'G' Frame Panel Boards) - Outgoing
FP MCCB, Incomer 'A' & 'C' Frame MCCB

Sl. No.	Description*	Cat. No.	MRP
1	CABLE ALLEY 2WAY I/C 250A	IHBGFCA02	11,850
2	CABLE ALLEY 4WAY I/C 250A / 2WAY I/C 400A	IHBGFCA04	13,750
3	CABLE ALLEY 6WAY I/C 250A / 4WAY I/C 400A	IHBGFCA06	15,830
4	CABLE ALLEY 8WAY I/C 250A / 6WAY I/C 400A	IHBGFCA08	15,830
5	CABLE ALLEY 12WAY I/C 250A / 8WAY I/C 400A	IHBGFCA12	18,180
6	CABLE ALLEY 12WAY I/C 400A	IHBGFCA42	21,400

* Each set of Cable Alley consists of two numbers, one each on LHS and RHS.

Pre-wired Meter Module for 'G' Frame Panel Boards with
Voltmeter, Ammeter, Selector Switch, CT's, Control Fuse
& Indicating Lights:

Sl. No.	Description*	Cat. No.	MRP**
1	Meter Module - Analog	IHBGMW00	11,550
2	Meter Module - Digital	IHBGDW00	14,700



Loadbank Enclosures

Conforms to IS:8623, IEC:60439

'A' Frame Panel Boards, O/G TP MCCBs

Incomer**	Outgoing* (No. of Ways)	Cat. No.	MRP
400A "CN/CH" Frame MCCB	6	IHBA040006	69,200
	8	IHBA040008	71,930
	12	IHBA040012	96,800
800A "CN/CH" Frame MCCB	6	IHBA080006	74,700
	8	IHBA080008	77,500
	12	IHBA080012	102,400

* The outgoing number of ways is the number of "A" Frame TP MCCBs that can be mounted.

** Maximum ratings are indicated for the incoming MCCBs however lower ratings in the same frame can be ordered.

The above prices are for bare enclosures only, incoming and outgoing MCCBs have to be ordered separately.

Accessories : Cable Alley 'A' Frame Panel Boards I/C 400A 'C' Frame MCCB

Sl. No.	Description*	Cat. No.	MRP
1	Cable Alley 6WAY 400A IC	IHBACA06	16,550
2	Cable Alley 8WAY 400A IC	IHBACA08	16,550
3	Cable Alley 12WAY 400A IC	IHBACA12	18,900

* Each set of Cable Alley consists of two numbers, one each on LHS and RHS.

Accessories : Cable Alley 'A' Frame Panel Boards I/C 800A 'C' Frame MCCB

Sl. No.	Description*	Cat. No.	MRP
1	Cable Alley 6WAY 800A IC	IHBBCA06	18,900
2	Cable Alley 8WAY 800A IC	IHBBCA08	18,900
3	Cable Alley 12WAY 800A IC	IHBBCA12	21,530

* Each set of Cable Alley consists of two numbers, one each on LHS and RHS.

Bare Meter Module / MCB Module / Add on Module for 'A' Frame Panel Boards

Sl. No.	Description*	Cat. No.	MRP**
1.	Meter Module - Analog Provision for Ammeter, Voltmeter - Analog with selector switch	IHBAMA00	4,485
2.	Meter Module - Digital Provision for Ammeter, Voltmeter - Digital with selector switch	IHBAMD00	4,485
3.	MCB Module	IHBAMC00	4,830
4.	Add on Module	IHBAAM00	4,485

* Ammeter, Voltmeter, Selector Switch, Control Fuses, Indicating Lights, MCBs etc. have to be ordered separately and are at extra cost.

** The above prices are for bare module enclosures only.

Pre-wired Meter Module for 'A' Frame Panel Boards with Voltmeter, Ammeter, Selector Switch, CT's, Control Fuse & Indicating Lights:

Sl. No.	Description*	Cat. No.	MRP**
1	Meter Module - Analog	IHBAMW00	13,650
2	Meter Module - Digital	IHBADW00	15,750



Euroload Four Pole Changeover

Conforms to IS:13947 (Part-3); IEC:60947-3

On-Load Changeover Switch I-O-II

Frame Size	Current Rating (Amps)	Open Execution Cat. Code	MRP	SS Enclosure Cat. Code	MRP
00	040	IHCNFO0040	3,700	IHCNFE0040	5,500
00	063	IHCNFO0063	4,000	IHCNFE0063	5,500
00	080	IHCNFO0080	5,100	IHCNFE0080	6,345
00	100	IHCNFO0100	5,300	IHCNFE0100	7,100



Euroload Four Pole Changeover with Advance Neutral

Conforms to IS:13947 (Part-3); IEC:60947-3

On-Load Changeover Switch I-O-II

Frame Size	Current Rating (Amps)	Open Execution Cat. Code	MRP	SS Enclosure Cat. Code	MRP
0	125	IHCNFO0125	8,310	IHCNFE0125	11,500
0	160	IHCNFO0160	8,730	IHCNFE0160	11,900
0	200	IHCNFO0200	10,800	IHCNFE0200	13,865
1	250	IHCNFO0250	16,310	IHCNFE0250	18,550
1	320	IHCNFO0320	17,150	IHCNFE0320	19,350
2	400	IHCNFO0400	24,950	IHCNFE0400	29,200
2	630	IHCNFO0630	29,500	IHCNFE0630	33,530
3	800	IHCNFO0800	43,090	IHCNFE0800	47,950
4	1000	IHCNFO1000	70,000	IHCNFE1000	89,250
4	1250	IHCNFO1250	95,800	IHCNFE1250	1,10,400
4	1600	IHCNFO1600	1,35,600	IHCNFE1600	1,49,500
5	2000	IHCNFO2000	1,65,160	IHCNFE2000	1,94,200
5	2500	IHCNFO2500	2,15,320	IHCNFE2500	2,43,500
5	3150	IHCNFO3150	2,99,890	IHCNFE3150	3,26,350



Note :

Prices on request

* Phase Barriers & Handle with door interlock kit is integral part of the Changeover Switch.

** Aux. contacts for signalling and electrical interlocking are optional and provided at extra price.

Euroload Four Pole By Pass Switch

Conforms to IS:13947 (Part-3); IEC:60947-3

Frame Size	Current Rating (Amps)	Open Execution Cat. Code	MRP
00	063	IHCBFO0063	7,940
00	100	IHCBFO0100	9,480



Euroload Four Pole By Pass Switch

Conforms to IS:13947 (Part-3); IEC:60947-3

Frame Size	Current Rating (Amps)	Open Execution Cat. Code	MRP
0	125	IHCBFO0125	12,075
0	160	IHCBFO0160	14,430
0	200	IHCBFO0200	15,300
1	250	IHCBFO0250	21,800
1	320	IHCBFO0320	22,715
2	400	IHCBFO0400	32,920
2	630	IHCBFO0630	41,130
3	800	IHCBFO0800	45,620
3	1000	IHCBFO1000	86,750

Accessories :

Aux. Contact	Cat. No.	MRP
1 NO. 1 NC.	IHCNFACT1CO	290
2 NO. 2 NC.	IHCNFACT2CO	365

Automatic Transfer Switch (ATS) Instaline Automatic Transfer Switch

(Conforms to IEC:60947-1 and IEC:60947-6-1)

Three / Four Pole, AC-31A, 50 Hz, 415V

Automatic/Manual with inbuilt Time delay

Rating AMP.	Cat. No. 3P	MRP Three Pole	Cat. No. 4P	MRP Four Pole
Open Execution				
100	IHYTSAO100	32,200	IHYFSAO100	35,930
160	IHYTSAO160	43,300	IHYFSAO160	47,010
200	IHYTSAO200	53,800	IHYFSAO200	57,490
315	IHYTSAO315	64,400	IHYFSAO315	68,050
400	IHYTSAO400	79,700	IHYFSAO400	83,350
630	IHYTSAO630	99,200	IHYFSAO630	1,02,900
With Enclosure				
100	IHYTSAE100	36,300	IHYFSAE100	40,080
160	IHYTSAE160	47,600	IHYFSAE160	51,375
200	IHYTSAE200	58,200	IHYFSAE200	61,970
315	IHYTSAE315	69,100	IHYFSAE315	72,820
400	IHYTSAE400	87,900	IHYFSAE400	91,690
630	IHYTSAE630	1,07,800	IHYFSAE630	1,13,600

Automatic/Manual with inbuilt Time delay

(with Primary Protection against Single phasing, Over Voltage, Under Voltage available with 12V D.C. control only)

Rating Amp.	Cat. No.	MRP Three Pole	MRP Four Pole
Open Execution			
100	IHY#PDO100	39,100	44,700
160	IHY#PDO160	49,700	55,800
200	IHY#PDO200	62,500	66,300
315	IHY#PDO315	72,500	76,900
400	IHY#PDO400	86,500	92,250
630	IHY#PDO630	1,04,300	1,11,900
With Enclosure			
100	IHY#PDE100	43,200	49,100
160	IHY#PDE160	53,100	60,400
200	IHY#PDE200	64,000	71,000
315	IHY#PDE315	74,400	81,400
400	IHY#PDE400	92,400	1,00,800
630	IHY#PDE630	1,11,400	1,22,800

Note :

Replace # with T - 3 Pole switch
F - 4 Pole switch



Instaline Phase Corrector Unit

Automatic/Manual with inbuilt Time delay

Rating AMP.	Cat. No. 4p	MRP Four Pole
With Enclosure		
100	IHYFRAE100	42,300
160	IHYFRAE160	52,100
200	IHYFRAE200	62,300
315	IHYFRAE315	72,100
400	IHYFRAE400	89,200
630	IHYFRAE630	1,07,300



Euroload Switch Disconnecter

Conforms to IS:13947 (Part -3); IEC:60947-3
Three Pole, 415V

Frame Size	Current Rating (Amps)	Open Execution Cat. Code	MRP	SS Enclosure Cat. code	MRP
0	80	IHCSTO0080	1,755	IHCSTE0080	2,715
0	100	IHCSTO0100	2,865	IHCSTE0100	4,030
0	125	IHCSTO0125	3,805	IHCSTE0125	4,905
0	160	IHCSTO0160	4,540	IHCSTE0160	5,640
0	200	IHCSTO0200	5,150	IHCSTE0200	6,325
1	250	IHCSTO0250	6,435	IHCSTE0250	8,130
1	320	IHCSTO0320	7,070	IHCSTE0320	8,900
1	400	IHCSTO0400	10,175	IHCSTE0400	12,150



Euroload Switch Disconnecter

Four Pole, 415V

Frame Size	Current Rating (Amps)	Open Execution Cat. Code	MRP	SS Enclosure Cat. code	MRP
00	40	IHCSFO0040	1,315	IHCSFE0040	2,100
00	63	IHCSFO0063	1,555	IHCSFE0063	2,340
00	80	IHCSFO0080	2,310	IHCSFE0080	3,100
00	100	IHCSFO0100	3,730	IHCSFE0100	4,515
0	125	IHCSFO0125	3,975	IHCSFE0125	4,975
0	160	IHCSFO0160	4,755	IHCSFE0160	5,750
0	200	IHCSFO0200	5,740	IHCSFE0200	6,865
1	250	IHCSFO0250	7,200	IHCSFE0250	9,235
1	320	IHCSFO0320	7,885	IHCSFE0320	9,810
2	400	IHCSFO0400	10,945	IHCSFE0400	13,555
2	630	IHCSFO0630	12,535	IHCSFE0630	15,300
3	800	IHCSFO0800	17,405	IHCSFE0800	21,830
4	1000	IHCSFO1000	28,265	IHCSFE1000	35,345
4	1250	IHCSFO1250	39,550	IHCSFE1250	47,710
4	1600	IHCSFO1600	55,690	IHCSFE1600	64,150
5	2000	IHCSFO2000	66,940	IHCSFE2000	84,470
5	2500	IHCSFO2500	86,860	IHCSFE2500	1,10,560
5	3150	IHCSFO3150	1,22,535	IHCSFE3150	1,42,850



Komcompact Switch Disconnecter Fuse Unit

Switch Disconnecter Fuse Unit (Panel Mounting Cubicle Type) Conforms to IS:13947 (Part I & III)
Double Pole - AC-23A, 50Hz, 415V

Rating Amp.	Cat. No.	MRP	Cat. No.	MRP	HBC Fuse Type
	Open Execution with Fuses		In Sheet Steel Encl. with Fuses		
32	IHFDDF4032	1,445	IHFDDW4032	2,045	IHHTIA0032
32	IHFFDF4032	1,815	IHFFDW4032	2,370	IHHCD00032
63	IHFDDF4063	2,070	IHFDDW4063	2,675	IHHTSS0063
63	IHFFDF4063	2,360	IHFFDW4063	2,950	IHHCD00063
100	IHFDDF4100	4,310	IHFDDW4100	4,940	IHHTSD0100
100	IHFFDF4100	4,440	IHFFDW4100	5,070	IHHCD00100
125	IHFDDF4125	4,470	IHFDDW4125	5,095	IHHTSD0125
125	IHFFDF4125	4,890	IHFFDW4125	5,515	IHHCD00125



Komcompact Switch Disconnecter Fuse Unit

Switch Disconnecter Fuse (Panel Mounting Cubicle Type) Conforms to IS:13947 (Part I & III)
Three Pole & Neutral - AC-23A, 50Hz, 415V

Rating Amp.	Cat. No.	MRP	Cat. No.	MRP	HBC Fuse Type
	Open Execution with 3 Fuses		In Sheet Steel Encl. with 3 Fuses		
32	IHFDTF4032	1,670	IHFDTW4032	2,660	IHHTIA0032
32	IHFFTF4032	2,090	IHFFTW4032	3,180	IHHCD00032
63	IHFDTF4063	2,315	IHFDTW4063	3,410	IHHTSS0063
63	IHFFTF4063	2,800	IHFFTW4063	3,890	IHHCD00063
100	IHFDTF4100	4,870	IHFDTW4100	6,490	IHHTSD0100
100	IHFFTF4100	4,900	IHFFTW4100	6,520	IHHCD00100
125	IHFDTF4125	5,535	IHFDTW4125	7,150	IHHTSD0125
125	IHFFTF4125	5,780	IHFFTW4125	7,400	IHHCD00125



Komcompact-EZO Switch Disconnecter Fuse Unit

Switch Disconnecter Fuse (Panel Mounting Cubicle Type) Conforms to IS:13947 (Part I & III)
Three Pole & Neutral - AC-23A, 50Hz, 415V

Rating Amp.	Cat. No.	MRP	Cat. No.	MRP	HBC Fuse Type
	Open Execution with 3 Fuses		In Sheet Steel Encl. with 3 Fuses		
160	IHFSTF4160	6,740	IHFSTW4160	9,315	IHHTSF0160
160	IHFSTF4160	7,460	IHFSTW4160	10,040	IHHCD01160
200	IHFSTF4200	7,500	IHFSTW4200	10,055	IHHTSF0200
200	IHFSTF4200	7,815	IHFSTW4200	10,395	IHHCD01200
250	IHFSTF4250	8,500	IHFSTW4250	11,090	IHHTSF0250
250	IHFSTF4250	9,655	IHFSTW4250	12,240	IHHCD01250
320	IHFSTF4320	11,700	IHFSTW4320	14,280	IHHTSK0315
320	IHFSTF4320	12,470	IHFSTW4320	15,050	IHHCD02315
400	IHFSTF4400	14,870	IHFSTW4400	17,450	IHHTSMF400
400	IHFSTF4400	14,670	IHFSTW4400	17,245	IHHCD02400
630	IHFSTF4630	24,250	IHFSTW4630	27,685	IHHTLM0630
630	IHFSTF4630	23,760	IHFSTW4630	27,200	IHHCD03630



* All switch disconnector fuse units if required without fuse link will be made available on request.

* IHFSTO/W 4800 and IHFKTO/W 4800 available without Fuse Link. (Price on request)

Kompact Switch Disconnecter Fuse Unit

Four Pole - AC-23A, 50Hz, 415V Conforms to IS:13947 (Part I & III)

Rating Amp.	Cat. No.	MRP	Cat. No.	MRP	HBC Fuse Type
	Open Execution with 4 Fuses		In Sheet Steel Encl. with 4 Fuses		
32	IHFDF4032	2,305	IHFDFW4032	3,030	IHHTIA0032
32	IHFFF4032	2,945	IHFFFW4032	3,670	IHHCD00032
63	IHFDF4063	2,915	IHFDFW4063	3,635	IHHTS0063
63	IHFFF4063	3,455	IHFFFW4063	4,175	IHHCD00063
100	IHFDF4100	5,865	IHFDFW4100	7,210	IHHTSD0100
100	IHFFF4100	6,085	IHFFFW4100	7,440	IHHCD00100
125	IHFDF4125	6,290	IHFDFW4125	7,645	IHHTSD0125
125	IHFFF4125	6,600	IHFFFW4125	7,950	IHHCD00125



Kompact-EZO Switch Disconnecter Fuse Unit

Four Pole - AC-23A, 50Hz, 415V Conforms to IS:13947 (Part I & III)

Rating Amp.	Cat. No.	MRP	Cat. No.	MRP	HBC Fuse Type
	Open Execution with 4 Fuses		In Sheet Steel Encl. with 4 Fuses		
160	IHFSFF4160	9,000	IHFSPW4160	10,930	IHHTSF0160
160	IHFKFF4160	9,915	IHFSPW4160	11,845	IHHCD01160
200	IHFSFF4200	9,160	IHFSPW4200	11,095	IHHTSF0200
200	IHFKFF4200	10,075	IHFSPW4200	12,000	IHHCD01200
250	IHFSFF4250	9,980	IHFSPW4250	12,185	IHHTSF0250
250	IHFKFF4250	10,920	IHFSPW4250	13,125	IHHCD01250
320	IHFSFF4320	13,140	IHFSPW4320	16,455	IHHTSK0315
320	IHFKFF4320	13,530	IHFSPW4320	16,840	IHHCD02315
400	IHFSFF4400	15,550	IHFSPW4400	18,860	IHHTSMF400
400	IHFKFF4400	15,090	IHFSPW4400	18,390	IHHCD02400
630	IHFSFF4630	27,340	IHFSPW4630	30,645	IHHTLM0630
630	IHFKFF4630	26,860	IHFSPW4630	29,420	IHHCD03630



Note:-

* All switch disconnector fuse units if required without fuse link will be made available on request.

* IHFSTO/W 4800 and IHFKTO/W 4800 available without Fuse Link. (Price on request)

Current Rating	No. of Ways	Cat. No.	MRP
Wall Mounted			
100A	4 WAY	IHBB010004	8,590
	6 WAY	IHBB010006	11,830
	8 WAY	IHBB010008	12,530
200A	4 WAY	IHBB020004	9,590
	6 WAY	IHBB020006	12,830
	8 WAY	IHBB020008	13,530
250A	4 WAY	IHBB025004	14,500
	6 WAY	IHBB025006	23,500
	8 WAY	IHBB025008	32,500
315A	4 WAY	IHBB031504	15,000
	6 WAY	IHBB031506	24,000
	8 WAY	IHBB031508	33,000
400A	4 WAY	IHBB040004	16,000
	6 WAY	IHBB040006	25,000
	8 WAY	IHBB040008	34,000
630A	4 WAY	IHBB063004	23,350
	6 WAY	IHBB063006	33,800
	8 WAY	IHBB063008	50,000
800A	4 WAY	IHBB080004	24,350
	6 WAY	IHBB080006	34,800
	8 WAY	IHBB080008	51,000





General Purpose

Switchgear



Changeover Switches (General Purpose)

Specification: IS/IEC 60947-1 & 3.

Onload Changeover Switch - AC 23 (side handle)
in sheet enclosure, 415V AC, 50 Hz.

Rating Amp.	Cat. No.	MRP ₹
32	Double Pole IHCFDE0032	1,505
	IHCFDE0063 ^{NEW}	2,865
63	Triple Pole IHCFTE0032	2,205
	IHCFTE0063	4,330
	IHCFTE0100	8,190
100	Four Pole IHCFFE0016	2,205
	IHCFFE0032	2,650
	IHCFFE0063	5,390
	IHCFFE0100	10,825

**Offload Changeover Switch- AC 21 (side handle)**

in sheet enclosure, 415V AC, 50 Hz.

Rating Amp.	Cat. No.	MRP ₹
200	Four Pole IHCFFE0200	16,025
	IHCFFE0320	19,660
	IHCFFE0400	25,690
	IHCFFE0630	40,165
	IHCFFE0800	50,080
	IHCFFE1000	69,835
	IHCFFE1250	1,50,005
	IHCFFE1500	1,73,100
	IHCFFE2000	2,43,790

Industrial Switchgear

Switch Fuse Units / Fuse Switches

HAVELLS

Maximum Retail Prices (MRP) are in Indian ₹
as per Regular Terms & Conditions

Switch Fuse Units / Fuse Switches (General Purpose)

Specification: IS/IEC-60947-1 & 3.

Single Pole & Neutral / Double Pole

Amp. / Volt AC	Cat. No.	MRP ₹
	Single Pole & Neutral	
16/240	IHSRSE2016	505
32/240	IHSRSE2032	1,200
32/415	IHSRSE4032	1,695
63/415	IHSRSE4063	2,920
	Double Pole	
16/240	IHSRDE2016	525
32/240	IHSRDE2032	1,295
32/415	IHSRDE4032	1,910
63/415	IHSRDE4063	3,365



Triple Pole, 415V AC, 50 Hz with Neutral Link

Rating Amp.	Cat. No.	MRP ₹	Cat. No.	MRP ₹	Cat. No.	MRP ₹	Suitable Fuse* Type
	With Rewireable Porcelain Fuse Units		With HBC cum rewireable Porcelain Fuse Units		With Bakelite Fuse Fittings (without HBC* Fuse links)		
16	IHSRTE4016	1,500	IHSSTE4016	1,500	IHSBTE4016	1,500	IHHNS0016
32	IHSRTE4032	1,905	IHSSTE4032	1,895	IHSBTE4032	1,895	IHHTIA0032
63 *	IHSRTE4063	3,970	—	—	—	—	—
63 #	IHSDTE4063	4,240	IHSSTE4063	4,240	IHSBTE4063	3,180	IHHTSS0063
100 *	IHSRTE4100	7,400	—	—	—	—	—
100 #	IHSDTE4100	7,760	IHSSTE4100	7,760	IHSBTE4100	7,740	IHHTSD0100
200	IHSRTE4200	11,995	—	—	—	—	—
320	IHSRTE4320	14,840	—	—	—	—	—

* - Std, # - Dlx

Heavy Duty Double Break Fuse Switches - HBC Fuse type

Specification: IS/IEC-60947-1 & 3.

In sheet enclosure, 415V AC, 50 Hz.

Rating	Cat. No.	MRP ₹	Cat. No.	MRP ₹	Fuse Type
	Triple Pole & Neutral		Four Pole with Switched Neutral		
63	IHFNTW4063	6,125	IHFNF4063	7,485	IHHTSS0063
100	IHFNTW4100	8,280	IHFNF4100	1,0460	IHHTSD0100
160	IHFNTW4160 ^{NEW}	12,510	IHFNF4160 ^{NEW}	1,4840	IHHTSD0160
200	IHFNTW4200	14,110	IHFNF4200	15,605	IHHTSF0200
320	IHFNTW4320	15,900	IHFNF4320	19,870	IHHTSK0315
400	IHFNTW4400	22,810	IHFNF4400	30,975	IHHTSMF400
500	IHFNTW4500	32,240	—	—	IHHTTM0500
800*	IHFNTW4800	40,195	—	—	IHHTLM0630



The above prices are inclusive of 3 nos. HBC Fuse Links.

* Switch suitable for 800 Amp. but fitted with 630 Amp. Fuse.

All the Switches are surface mounting type, housed in sheet steel enclosure with side handle operation and have front access left opening doors interlocked to prevent opening when the switch is in ON position.

HiBreak

HBC Fuse Link

Specification: IEC: 60269-1 & 2-1 / IS: 13703-1 & 2-1.

Bolted Type

IS Size	Tag Type	BS Type	Rated Voltage (Volts) AC	Breaking Capacity (kA)	Rating (Amps)	Cat No.	MRP ₹	STD Packing
F-1	Offset	NS	415	80	2	IHHNS00002	50	20
					4	IHHNS00004		
					6	IHHNS00006		
					10	IHHNS00010		
					16	IHHNS00016	55	20
					20	IHHNS00020		
					25	IHHNS00025		
					32	IHHNS00032		
A-2	Offset	TIA	415	80	6	IHHTIA0006	70	10
					10	IHHTIA0010		
					16	IHHTIA0016		
					20	IHHTIA0020		
					25	IHHTIA0025		
					32	IHHTIA0032		
A-3	Offset	TSS	415	80	36	IHHTSS0036	80	10
					50	IHHTSS0050		
					63	IHHTSS0063		
A-4	Offset	TSD	415	80	80	IHHTSD0080	180	10
					100	IHHTSD0100		
					125	IHHTSD0125		
B-1	Central	TSDC	415	80	80	IHHTSDC080	180	10
					100	IHHTSDC100		
					125	IHHTSDC125		
B-2	Central	TSF	415	80	125	IHHTSF0125	260	10
					160	IHHTSF0160		
					200	IHHTSF0200	290	10
					250	IHHTSF0250		
B-3	Central	TSK	415	80	225	IHHTSK0225	380	3
					250	IHHTSK0250		
					300	IHHTSK0300		
					315	IHHTSK0315		
B - 4	Central	TSMF	415	80	400	IHHTSMF400	730	3
C - 1	Central	TSMS	415	80	400	IHHTSMS400	730	3
C - 2	Central	TTS	415	80	400	IHHTTS0400	820	1
					500	IHHTTS0500		
C - 2	Central	TTM	415	80	400	IHHTTM0400	1,115	1
					500	IHHTTM0500		
C - 2	Central	TLM	415	80	630	IHHTLM0630	1,485	1
C - 2	Central	TLM	415	80	800	IHHTLM0800 ^{NEW}	1,625	1



Industrial Switchgear

HBC Fuse Links

HiBreak

HBC Fuse Link

Specification: IEC: 60269-1 & 2-1 / IS: 13703-1 & 2-1.

DIN Type

IS Size	Rated Voltage (Volts) AC	Breaking Capacity (kA)	Rating (Amps)	Cat No.	MRP ₹	STD Packing
000	415	80	6	IHHCD11006	190	3
			10	IHHCD11010		
			16	IHHCD11016		
			20	IHHCD11020		
			25	IHHCD11025		
			32	IHHCD11032		
			40	IHHCD11040	195	3
			50	IHHCD11050		
			63	IHHCD11063		
			80	IHHCD11080		
00	415	80	100	IHHCD11100	230	3
			6	IHHCD00006		
			10	IHHCD00010		
			16	IHHCD00016		
			20	IHHCD00020		
			25	IHHCD00025		
			32	IHHCD00032		
			50	IHHCD00050	295	3
			63	IHHCD00063		
			80	IHHCD00080		
01	415	80	100	IHHCD00100	315	3
			125	IHHCD00125		
			160	IHHCD00160		
			32	IHHCD01032	460	3
			63	IHHCD01063		
			80	IHHCD01080		
			100	IHHCD01100		
			125	IHHCD01125		
			160	IHHCD01160	475	3
			200	IHHCD01200		
02	415	80	250	IHHCD01250	545	3
			200	IHHCD02200	715	1
			250	IHHCD02250		
			315	IHHCD02315		
			350	IHHCD02350	755	1
			400	IHHCD02400		
03	415	80	425	IHHCD03425	1,060	1
			500	IHHCD03500	1,090	1
			630	IHHCD03630		

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as per Regular Terms & Conditions



RH Type

Rated Voltage (Volts) AC	Breaking Capacity (kA)	Rating (Amps)	Cat No.	MRP ₹	STD Packing
415	80	2	IHHRH00002	70	20
		4	IHHRH00004		
		6	IHHRH00006		
		10	IHHRH00010		
		16	IHHRH00016	75	20
		20	IHHRH00020		
		25	IHHRH00025		
		32	IHHRH00032		
		40	IHHRH00040		
		50	IHHRH00050	140	20
415	80	63	IHHRH00063	155	20



HiBreak

DIN Fuse Bases (Modular Type)

Specification: IEC: 60269-1 & 2-1 / IS: 13703-1 & 2-1.

Rating Amp.	Cat. No.	Type	Fuse Type	MRP ₹	STD. Packing
160A	IHMC000160	Open Type Fuse Base	CD000/00	285	6
250A	IHMC010250	Open Type Fuse Base	CD01	540	3
400A	IHMC020400	Open Type Fuse Base	CD02	835	3
630A	IHMC030630	Open Type Fuse Base	CD03	1,060	3

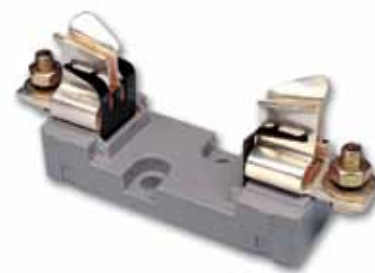


HiBreak

DIN Fuse Bases (Fixed Type)

Specification: IEC: 60269-1 & 2-1 / IS: 13703-1 & 2-1.

Rating Amp.	Cat. No.	Type	Fuse Type	MRP ₹	STD. Packing
100A	IHUC000100	Open Type Fuse Base	CD-00	275	6
125A	IHUC000125	Open Type Fuse Base	CD-00	285	6
160A	IHUC000160	Open Type Fuse Base	CD-00	295	6
250A	IHUC010250	Open Type Fuse Base	CD-1	550	3
400A	IHUC020400	Open Type Fuse Base	CD-2	850	3
630A	IHUC030630	Open Type Fuse Base	CD-3	1,090	3



HiBreak

Cam Lock Fuse Holders

Specification: IEC: 60269-1 & 2-1 / IS: 13703-1 & 2-1.

Cat. No.	Description	Fuse Type	MRP ₹	STD. Packing
IHVONSH020	20A HRC FF Cam Lock Front Connection	HNS	95	12
IHVTAH032	32A HRC FF Cam Lock Front Connection	HTIA	160	6
IHTSSH063	63A HRC FF Cam Lock Front Connection	HTSS	195	3
IHTSDH100	100A HRC FF Cam Lock Front Connection	HTSD	480	3
IHVONSB020	20A HRC FF Cam Lock Bus Bar Connection	HNS	95	12
IHVTAH032	32A HRC FF Cam Lock Bus Bar Connection	HTIA	160	6
IHTSSB063	63A HRC FF Cam Lock Bus Bar Connection	HTSS	195	3
IHTSDB100	100A HRC FF Cam Lock Bus Bar Connection	HTSD	480	3
IHVONSR020	20A HRC FF Cam Lock Rear Connection	HNS	95	12
IHVTAH032	32A HRC FF Cam Lock Rear Connection	HTIA	160	6
IHTSSR063	63A HRC FF Cam Lock Rear Connection	HTSS	195	3
IHTSDR100	100A HRC FF Cam Lock Rear Connection	HTSD	480	3



Kit-kat Rewireable (Porcelain Fuse carrier & Base)

Specification: IS: 2086

Amps/Volt	Cat. No.	MRP ₹	STD. Packing
16/240	IHKKRN2016	90	20
16/415	IHKKRN4016	165	24
32/240	IHKKRN2032	165	24
32/415	IHKKRN4032	200	12
63/415 *	IHKKRN4063	325	12
63/415 #	IHKKDN4063	365	6
100/415 *	IHKKRN4100	590	6
100/415 #	IHKKDN4100	675	1
200/415 *	IHKKRN4200	1,175	1
200/415 **	IHKKRT4200	1,350	1
320/415 *	IHKKRN4320	1,710	1
320/415**	IHKKRT4320	2,015	1

* - Std., # - Dlx, ** - With Extension strips





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