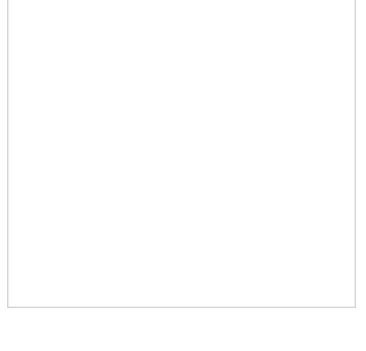
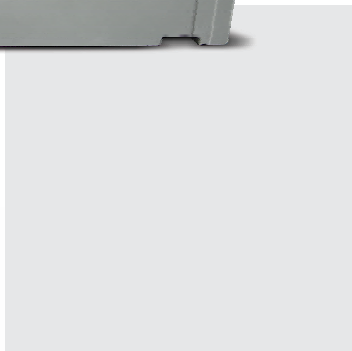
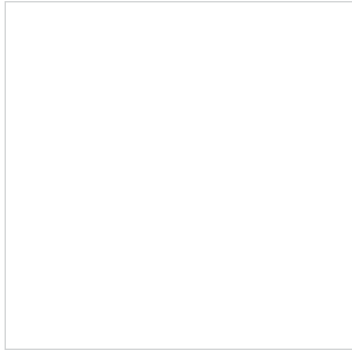
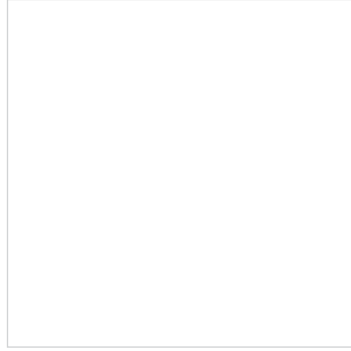
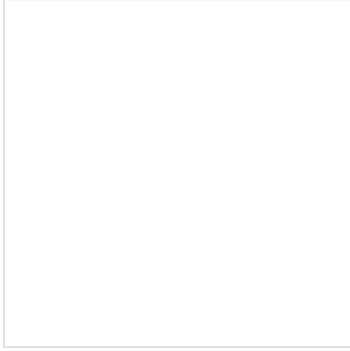
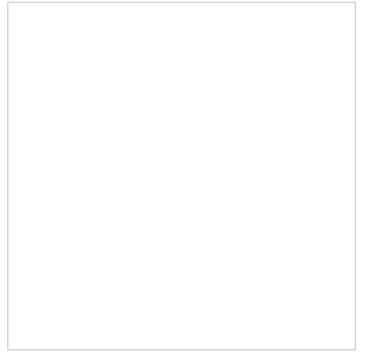
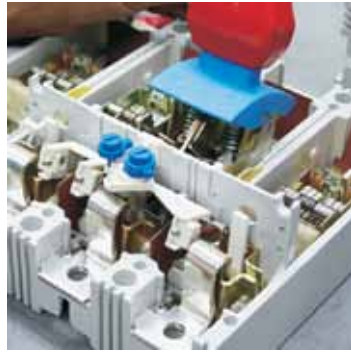
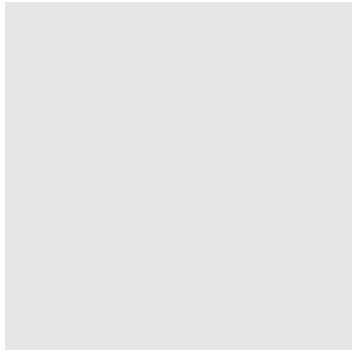


Industrial Circuit Protection



PRICE LIST w.e.f. 15th December, 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*	800
		3	1	CRN1-31*	IHACR 31*	800
		4	0	CRN1-40*	IHACR 40*	800



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* 0	1,130
		3	1	CRD1-31*	IHDCR 31* 0	1,130
		4	0	CRD1-40*	IHDCR 40* 0	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:
- 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	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 _e 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*	23,150
3	265	132	180	350	3	CH3 265 T*	IHPAA265300*	25,725
4	330	180	220	400	3	CH4 330 T*	IHPAA330400*	31,775
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*	75,700



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*	5,950
	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*	41,500
5	500	4	CH5 400 F*	IHPAC400500*	47,720
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)

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: 1. For additional aux. contacts front mounted and mechanical interlock - refer accessories table.
2. 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, CH1 150	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			
Contactor 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			
Contactor 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	20,625
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 (A)	Suitable for Contactor Frame size	Type	Cat. No.	Unit MRP	Individual Mounting Block
1	0.1-0.16	CN1 to CN4	RT21A	IHNR 11AA	1,085	 Type RTA2-25 Cat No. ISSTRX024025 Unit MRP ₹ 180
	0.16-0.25		RT21B	IHNR 11AB	1,085	
	0.25-0.4		RT21C	IHNR 11AC	1,085	
	0.4-0.63		RT21D	IHNR 11AD	1,085	
	0.63 -1		RT21E	IHNR 11AE	1,085	
	1-1.6		RT21F	IHNR 11AF	1,085	
	1.6-2.5		RT21G	IHNR 11AG	1,085	
	2.5-4		RT21H	IHNR 11AH	1,085	
	4-6		RT21J	IHNR 11AJ	1,085	
	5.5-8		RT21K	IHNR11AK	1,085	
	7-10		RT21L	IHNR 11AL	1,085	
	9-13		RT21M	IHNR 11AM	1,085	
	12-18		RT21N	IHNR 11AN	1,200	
	17-25		RT21P	IHNR 11AP	1,200	
2	23-32	CN4	RT22Q	IHNR22AQ	1,840	 Type RTA2-36 Cat No. ISSTRX024136 Unit MRP ₹ 260
	28-36		RT22R	IHNR22AR	1,990	
3	23-32	CN5 to CN6	RT23T	IHNR33AT	1,990	 Type RTA2-93 Cat No. ISSTRX024293 Unit MRP ₹ 1020
	30-40		RT23U	IHNR33AU	1,990	
	37-50		RT23V	IHNR33AV	2,585	
	48-65		RT23W	IHNR33AW	3,175	
	55-70		RT23X	IHNR33AX	3,175	
	63-80		RT23Y	IHNR33AY	3,225	
	80-93		RT23Z	IHNR33AZ	3,450	
Thermal Over Load Relay (Manual Reset)						
Relay Frame size	Relay Range (A)	Suitable for Contactor Frame size	Type	Cat. No.	Unit MRP	Individual Mounting Block
1	0.1- 0.16	CN 1 to CN 4	RT11A	IHNR11MA	1,025	 Type RTA1-25 Cat No. ISSTRX024325 Unit MRP ₹ 160
	0.16-0.25		RT11B	IHNR11MB	1,025	
	0.25-0.4		RT11C	IHNR11MC	1,025	
	0.4-0.63		RT11D	IHNR11MD	1,025	
	0.63-1		RT11E	IHNR11ME	1,025	
	1-1.6		RT11F	IHNR11MF	1,025	
	1.6-2.5		RT11G	IHNR11MG	1,025	
	2.5-4		RT11H	IHNR11MH	1,025	
	4-6		RT11J	IHNR11MJ	1,025	
	5.5-8		RT11K	IHNR11MK	1,025	
	7-10		RT11L	IHNR11ML	1,025	
	10-13		RT11M	IHNR11MM	1,025	
	13-18		RT11N	IHNR11MN	1,105	
	18-25		RT11P	IHNR11MP	1,105	
2	23-32	CN 5 to CN 6	RT12Q	IHNR22MQ	1,735	 Type RTA1-80 Cat No. ISSTRX024480 Unit MRP ₹ 300
	30-40		RT12R	IHNR22MR	1,735	
3	38-50	CN 5 to CN 6	RT13V	IHNR33MV	2,140	
	48-57		RT13W	IHNR33MW	2,715	
	57-66		RT13X	IHNR33MX	3,150	
	63-80		RT13Y	IHNR33MY	3,290	





Electronic Overload Relay (Manual reset)					
"Relay Frame size"	Relay Range (A)	Suitable for Contactor Frame size	Type	Cat. No	Unit MRP ₹
4	30-50	CH 1 to CH 2	ERT1 4A	IHETR050	5,880
	48-80		ERT1 4B	IHETR080	6,300
	60-100		ERT1 4C	IHETR100	6,300
	90-150		ERT1 4D	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 (A)	Breaking Capacity at 415V / 50Hz	Type	Cat. No.	Unit MRP ₹
0.1-0.16	100	MB2 - 01	IHPMPBA0A0	2,260
0.16-0.25		MB2 - 02	IHPMPBB0B0	2,260
0.25-0.4		MB2 - 03	IHPMPBC0C0	2,260
0.4-0.63		MB2 - 04	IHPMPBD0D0	2,425
0.63 - 1		MB2 - 05	IHPMPBE0E0	2,425
1-1.6		MB2 - 06	IHPMPBF0F0	2,500
1.6-2.5		MB2 - 07	IHPMPBG0G0	2,500
2.5 - 4		MB2 - 08	IHPMPBH0H0	2,600
4 - 6.3		MB2 - 10	IHPMPBJ0J0	2,600
6 - 10		MB2- 14	IHPMPBK0K0	2,900
9 - 14	15	MB2 - 16	IHPMPBL0L0	3,310
13 - 18	15	MB2- 20	IHPMPBM0M0	3,500
17 -23	15	MB2 - 21	IHPMPBN0N0	3,540
20-25	15	MB2 - 22	IHPMPBQ0Q0	3,785
24 - 32	10	MB2 - 32	IHPMPBP0P0	6,745

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 ₹
Shunt 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	1-1.6	IHPDOLFA*	1,670
1	0.7	12	1.6-2.5	IHPDOLGA*	1,670
2	1.5	12	2.5-4	IHPDOLHA*	1,670
3	2.2	12	4-6	IHPDOLJA*	1,670
5	3.7	18	7-10	IHPDOLLA*	1,670
7.5	5.6	18	10-13	IHPDOLMB*	1,710
10	7.5	18	13-18	IHPDOLNB*	2,100
15	11.2	32	18-25	IHPDOLPD*	3,280
20	14.9	32	23-32	IHPDOLQD*	6,500
25	18.7	40	30-40	IHPDOLVE*	8,000
30	22.4	50	38-50	IHPDOLWE*	9,600
40	29.8	65	57-66	IHPDOLYF*	11,000
50	37.3	80	63-80	IHPDOLZF*	14,000
60	44.8	95	80-95	IHPDOLDG*	14,500
75	56.0	115	90-150	IHPDOLDG*A	14,500
85	63.4	150	90-150	IHPDOLDG*B	16,700
100	74.6	150	132-220	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*	5,950
12.5	9.3	18	12.0-18	IHPASDNB*	6,200
15	11.2	25	12.0-18	IHPASDNC*	6,200
20	14.9	25	17-25	IHPASDPD*	8,000
25	18.7	32	17-25	IHPASDQD*	8,200
30	22.4	32	23-32	IHPASDQD*A	9,000
35	26.1	32	28-36	IHPASDUE*	15,000
50	37.3	50	37-50	IHPASDWE*	20,000
60	44.8	50	48-65	IHPASDWF*	28,000
75	56.0	65	55-70	IHPASDYF*	35,000
90	67.1	80	63-80	IHPASDCG*	40,000
100	74.6	95	80-93	IHPASDDG*	52,000
125	93.3	115	90-150	IHPASDDG*A	53,000
150	111.9	150	90-150	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	IHPREVHB*	5,350
3	2.2	18	4.0-6.0	IHPREVJB*	5,350
5	3.7	18	7.0-10	IHPREVLB*	5,350
7.5	5.6	18	10.0-13	IHPREVMB*	5,350
10	7.5	18	13-18	IHPREVNB*	6,955
15	11.2	32	18-25	IHPREVPD*	7,170
20	14.9	32	28-36	IHPREVRD*	8,345



- 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
1	0.75	18	1.6-2.5	IHSDOAGBW	5,400
2	1.5	18	2.5-4	IHSDOAHBW	5,400
3	2.2	18	5.5-8	IHSDOAKBW	5,400
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	18	5.5-8	IHSASAKBW	10,915
7.5	5.5	18	7-10	IHSASALBW	10,915
10	7.5	18	9-13	IHSASAMBW	11,110
12.5	9.3	18	12-18	IHSASANBW	11,110
15	11	25	17-25	IHSASAPCW	11,195
17.5	13.1	32	17-25	IHSASAPDW	11,395
20	15	32	17-25	IHSASAPDWA	11,760
22.5	16.8	32	23-32	IHSASAQDW	12,130
25	19	32	23-32	IHSASAQDWA	12,130
27.5	20.5	40	30-40	IHSASAU EW	21,750
30	22.4	50	30-40	IHSASAU EWA	22,300
35	26.1	50	37-50	IHSASAVEW	22,600
40	29.8	65	37-50	IHSASAVEWA	25,200
45	33.6	80	48-65	IHSASAWFW	33,300



Cosmic Star - Deluxe Automatic Star Delta Submersible Pump Starter

H.P.	Kw	Contactor Size	Overload Relay Range (Amp.)	Cat. No.	MRP
5	3.7	18	5.5-8	IHDASAKBW	11,525
7.5	5.5	18	7-10	IHDASALBW	11,525
10	7.5	18	9-13	IHDASAMBW	12,070
12.5	9.3	18	12-18	IHDASANBW	12,070
15	11	25	17-25	IHDASAPCW	12,380
17.5	13.1	32	17-25	IHDASAPDW	12,595
20	15	32	17-25	IHDASAPDWA	12,930
22.5	16.8	32	23-32	IHDASAQDW	13,410
25	19	32	23-32	IHDASAQDWA	13,410
27.5	20.5	40	30-40	IHDASAU EW	22,950
30	22.4	50	30-40	IHDASAU EWA	23,500
35	26.1	50	37-50	IHDASAVEW	23,800
40	29.8	65	37-50	IHDASAVEWA	26,400
45	33.6	80	48-65	IHDASAWFW	34,500



- 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	1,790

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





Industrial Switchgear



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 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**	64,890	89,200	IHATE4E06\$**	IHATE5E06\$**	83,280	1,28,750
800	50	IHATE1E080**	IHATE2E080**	67,055	92,185	IHATE4E08\$**	IHATE5E08\$**	94,095	1,29,780
1000	50	IHATE1E100**	IHATE2E100**	72,465	1,01,665	IHATE4E10\$**	IHATE5E10\$**	98,985	1,37,405
1250	50	IHATE1E120**	IHATE2E120**	88,170	1,30,295	IHATE4E12\$**	IHATE5E12\$**	1,24,940	1,62,225
1600	50	IHATE1E160**	IHATE2E160**	95,400	1,41,405	IHATE4E16\$**	IHATE5E16\$**	1,36,320	1,79,250
2000	50	IHATE1E200**	IHATE2E200**	1,09,075	1,70,290	IHATE4E20\$**	IHATE5E20\$**	1,51,370	2,04,795
2500	75	IHATH1E250**	IHATH2E250**	1,25,770	2,02,570	IHATH4E25\$**	IHATH5E25\$**	168,065	2,37,070
3200	100	IHATV1E320**	IHATV2E320**	1,98,115	2,71,575	IHATV4E32\$**	IHATV5E32\$**	2,37,070	3,07,190
4000	100	IHATV1E400**	IHATV2E400**	3,23,885	3,60,615	IHATV4E40\$**	IHATV5E40\$**	3,53,935	3,95,115



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	IHAFF1E060**	IHAFF2E060**	72,515	1,20,100	IHAFF4E06\$**	IHAFF5E06\$**	1,11,450	1,60,065
800	50	IHAFF1E080**	IHAFF2E080**	76,840	1,23,295	IHAFF4E08\$**	IHAFF5E08\$**	1,17,935	1,62,225
1000	50	IHAFF1E100**	IHAFF2E100**	87,550	1,31,945	IHAFF4E10\$**	IHAFF5E10\$**	1,22,780	1,73,040
1250	50	IHAFF1E120**	IHAFF2E120**	1,16,290	1,65,525	IHAFF4E12\$**	IHAFF5E12\$**	1,52,545	2,02,295
1600	50	IHAFF1E160**	IHAFF2E160**	1,24,130	1,88,150	IHAFF4E16\$**	IHAFF5E16\$**	1,63,880	2,23,770
2000	50	IHAFF1E200**	IHAFF2E200**	1,48,615	2,25,995	IHAFF4E20\$**	IHAFF5E20\$**	1,89,210	2,64,895
2500	75	IHAFFH1E250**	IHAFFH2E250**	1,70,345	2,69,350	IHAFFH4E25\$**	IHAFFH5E25\$**	2,07,020	3,03,905
3200***	100	IHAFFV1E320**	IHAFFV2E320**	2,51,540	3,37,295	IHAFFV4E32\$**	IHAFFV5E32\$**	2,89,380	3,67,290
4000***	100	IHAFFV1E400**	IHAFFV2E400**	3,81,815	4,48,595	IHAFFV4E40\$**	IHAFFV5E40\$**	4,41,915	4,79,760

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**	70,175	99,640	IHATE4106\$**	IHATE5106\$**	90,210	1,40,240
800	50	IHATE11080**	IHATE21080**	72,400	1,02,930	IHATE4108\$**	IHATE5108\$**	1,01,340	1,41,405
1000	50	IHATE11100**	IHATE21100**	77,910	1,12,470	IHATE4110\$**	IHATE5110\$**	1,09,075	1,49,145
1250	50	IHATE11120**	IHATE21120**	97,945	1,41,405	IHATE4112\$**	IHATE5112\$**	1,34,730	1,74,795
1600	50	IHATE11160**	IHATE21160**	1,01,340	1,49,145	IHATE4116\$**	IHATE5116\$**	1,43,630	1,86,985
2000	50	IHATE11200**	IHATE21200**	1,16,920	1,78,080	IHATE4120\$**	IHATE5120\$**	1,59,215	2,17,090
2500	75	IHATH11250**	IHATH21250**	1,33,560	2,10,410	IHATH4125\$**	IHATH5125\$**	1,75,855	2,44,860
3200	100	IHATV11320**	IHATV21320**	2,05,960	2,79,420	IHATV4132\$**	IHATV5132\$**	2,44,860	3,15,035
4000	100	IHATV11400**	IHATV21400**	3,31,675	3,68,460	IHATV4140\$**	IHATV5140\$**	3,61,780	4,02,910



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	IHAFF11060**	IHAFF21060**	82,365	1,31,335	IHAFF4106\$**	IHAFF5106\$**	1,22,430	1,72,570
800	50	IHAFF11080**	IHAFF21080**	86,285	1,34,730	IHAFF4108\$**	IHAFF5108\$**	1,29,110	1,74,795
1000	50	IHAFF11100**	IHAFF21100**	94,660	1,43,630	IHAFF4110\$**	IHAFF5110\$**	1,34,730	1,85,925
1250	50	IHAFF11120**	IHAFF21120**	1,26,355	1,78,080	IHAFF4112\$**	IHAFF5112\$**	1,64,725	2,15,925
1600	50	IHAFF11160**	IHAFF21160**	1,31,335	1,95,890	IHAFF4116\$**	IHAFF5116\$**	1,70,345	2,31,505
2000	50	IHAFF11200**	IHAFF21200**	1,56,350	2,33,730	IHAFF4120\$**	IHAFF5120\$**	1,97,055	2,72,740
2500	75	IHAFFH11250**	IHAFFH21250**	1,78,080	2,77,190	IHAFFH4125\$**	IHAFFH5125\$**	2,14,865	3,11,640
3200***	100	IHAFFV11320**	IHAFFV21320**	2,59,385	3,45,030	IHAFFV4132\$**	IHAFFV5132\$**	2,97,225	3,79,590
4000***	100	IHAFFV11400**	IHAFFV21400**	3,89,550	4,56,330	IHAFFV4140\$**	IHAFFV5140\$**	4,45,200	4,87,495

\$ Please refer table 1 to replace \$ at page-21

** Please refer table 2 to replace ** at page-21

Please refer table 3 to replace # at page-21

*** 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 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***	75,330	1,05,075	IHATE4206\$**	IHATE5206\$**	1,00,045	1,43,810
800	50	IHATE12080***	IHATE22080***	80,895	1,09,250	IHATE4208\$**	IHATE5208\$**	1,11,280	1,45,520
1000	50	IHATE12100***	IHATE22100***	84,320	1,19,095	IHATE4210\$**	IHATE5210\$**	1,16,310	1,53,975
1250	50	IHATE12120***	IHATE22120***	1,05,075	1,47,450	IHATE4212\$**	IHATE5212\$**	1,43,275	1,78,690
1600	50	IHATE12160***	IHATE22160***	1,09,570	1,52,800	IHATE4216\$**	IHATE5216\$**	1,51,085	1,89,925
2000	50	IHATE12200***	IHATE22200***	1,23,585	1,82,010	IHATE4220\$**	IHATE5220\$**	1,66,280	2,17,959
2500	75	IHATH12250***	IHATH22250***	1,40,495	2,12,395	IHATH4225\$**	IHATH5225\$**	1,80,295	2,47,170
3200	100	IHATV12320***	IHATV22320***	2,09,510	2,82,055	IHATV4232\$**	IHATV5232\$**	2,47,170	3,11,265
4000	100	IHATV12400***	IHATV22400***	3,29,240	3,71,935	IHATV4240\$**	IHATV5240\$**	3,65,195	4,06,710


**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	IHAFF12060***	IHAFF22060***	88,810	1,38,245	IHAFF4206\$**	IHAFF5206\$**	1,27,225	1,76,445
800	50	IHAFF12080***	IHAFF22080***	93,305	1,41,565	IHAFF4208\$**	IHAFF5208\$**	1,33,965	1,77,835
1000	50	IHAFF12100***	IHAFF22100***	1,04,540	1,50,550	IHAFF4210\$**	IHAFF5210\$**	1,41,030	1,88,215
1250	50	IHAFF12120***	IHAFF22120***	1,34,285	1,85,435	IHAFF4212\$**	IHAFF5212\$**	1,70,240	2,17,960
1600	50	IHAFF12160***	IHAFF22160***	1,38,780	2,02,230	IHAFF4216\$**	IHAFF5216\$**	1,78,905	2,33,690
2000	50	IHAFF12200***	IHAFF22200***	1,63,500	2,43,855	IHAFF4220\$**	IHAFF5220\$**	2,04,480	2,76,385
2500	75	IHAFFH12250***	IHAFFH22250***	1,85,965	2,79,805	IHAFFH4225\$**	IHAFFH5225\$**	2,22,455	3,15,760
3200***	100	IHAFFV12320***	IHAFFV22320***	2,67,395	3,53,960	IHAFFV4232\$**	IHAFFV5232\$**	3,06,770	3,78,675
4000***	100	IHAFFV12400***	IHAFFV22400***	3,98,895	4,66,310	IHAFFV4240\$**	IHAFFV5240\$**	4,58,390	4,94,340

**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***	54,075	77,355	IHATE4006\$**	IHATE5006\$**	72,515	1,14,640
800	50	IHATE10080***	IHATE20080***	56,240	81,370	IHATE4008\$**	IHATE5008\$**	83,330	1,16,290
1000	50	IHATE10100***	IHATE20100***	59,535	90,850	IHATE4010\$**	IHATE5010\$**	88,170	1,24,425
1250	50	IHATE10120***	IHATE20120***	77,355	1,18,145	IHATE4012\$**	IHATE5012\$**	1,14,125	1,48,220
1600	50	IHATE10160***	IHATE20160***	84,060	126,885	IHATE4016\$**	IHATE5016\$**	1,25,190	1,63,665
2000	50	IHATE10200***	IHATE20200***	97,945	1,55,820	IHATE4020\$**	IHATE5020\$**	1,40,240	1,91,440
2500	75	IHATH10250***	IHATH20250***	1,14,695	1,85,925	IHATH4025\$**	IHATH5025\$**	1,54,125	2,17,620
3200	100	IHATV10320***	IHATV20320***	1,83,065	2,48,255	IHATV4032\$**	IHATV5032\$**	218,890	2,81,645
4000	100	IHATV10400***	IHATV20400***	3,01,680	3,32,840	IHATV4040\$**	IHATV5040\$**	3,31,675	3,68,990


**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	IHAFF10060***	IHAFF20060***	64,890	1,05,475	IHAFF4006\$**	IHAFF5006\$**	98,675	1,46,055
800	50	IHAFF10080***	IHAFF20080***	68,190	1,09,285	IHAFF4008\$**	IHAFF5008\$**	105,165	1,47,395
1000	50	IHAFF10100***	IHAFF20100***	76,840	1,20,100	IHAFF4010\$**	IHAFF5010\$**	1,11,965	1,57,385
1250	50	IHAFF10120***	IHAFF20120***	1,05,475	1,52,545	IHAFF4012\$**	IHAFF5012\$**	1,40,080	1,86,020
1600	50	IHAFF10160***	IHAFF20160***	1,12,995	1,73,630	IHAFF4016\$**	IHAFF5016\$**	1,52,750	2,07,020
2000	50	IHAFF10200***	IHAFF20200***	1,37,485	2,08,185	IHAFF4020\$**	IHAFF5020\$**	1,78,080	2,47,615
2500	75	IHAFFH10250***	IHAFFH20250***	1,56,565	2,49,315	IHAFFH4025\$**	IHAFFH5025\$**	1,92,605	2,82,175
3200***	100	IHAFFV10320***	IHAFFV20320***	2,32,670	3,13,340	IHAFFV4032\$**	IHAFFV5032\$**	2,73,270	3,48,425
4000***	100	IHAFFV10400***	IHAFFV20400***	3,61,145	4,19,020	IHAFFV4040\$**	IHAFFV5040\$**	4,17,750	4,49,655

\$ Please refer table 1 to replace \$ at page-21

** Please refer table 2 to replace ** at page-21

Please refer table 3 to replace # at page-21

*** 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 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**#	89,890	1,22,960	IHATS4106\$***	IHATS5106\$***	1,17,980	1,61,440
800	65	IHATS11080**#	IHATS21080**#	92,750	1,27,095	IHATS4108\$***	IHATS5108\$***	1,29,110	1,63,030
1000	65	IHATS11100**#	IHATS21100**#	97,415	1,36,955	IHATS4110\$***	IHATS5110\$***	134,090	1,71,405
1250	65	IHATS11120**#	IHATS21120**#	1,22,960	1,64,935	IHATS4112\$***	IHATS5112\$***	1,60,805	1,95,890
1600	65	IHATS11160**#	IHATS21160**#	1,27,415	1,70,345	IHATS4116\$***	IHATS5116\$***	1,68,650	2,07,020
2000	65	IHATS11200**#	IHATS21200**#	1,41,405	1,99,280	IHATS4120\$***	IHATS5120\$***	1,83,700	2,34,895



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**#	1,06,845	1,51,900	IHAFS4106\$***	IHAFS5106\$***	1,44,905	1,93,665
800	65	IHAFS11080**#	IHAFS21080**#	1,11,300	1,55,820	IHAFS4108\$***	IHAFS5108\$***	1,51,580	1,95,150
1000	65	IHAFS11100**#	IHAFS21100**#	1,19,675	1,66,950	IHAFS4110\$***	IHAFS5110\$***	1,58,580	2,05,325
1250	65	IHAFS11120**#	IHAFS21120**#	1,51,900	2,00,340	IHAFS4112\$***	IHAFS5112\$***	1,87,515	2,34,895
1600	65	IHAFS11160**#	IHAFS21160**#	1,56,350	2,17,090	IHAFS4116\$***	IHAFS5116\$***	1,96,100	2,50,480
2000	65	IHAFS11200**#	IHAFS21200**#	1,80,840	2,51,540	IHAFS4120\$***	IHAFS5120\$***	2,21,540	2,91,080



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**#	99,725	1,31,865	IHATS4206\$***	IHATS5206\$***	1,26,885	1,70,345
800	65	IHATS12080**#	IHATS22080**#	1,02,615	1,35,995	IHATS4208\$***	IHATS5208\$***	1,38,015	1,71,935
1000	65	IHATS12100**#	IHATS22100**#	1,07,325	1,45,855	IHATS4210\$***	IHATS5210\$***	1,42,995	1,80,310
1250	65	IHATS12120**#	IHATS22120**#	1,33,110	1,73,840	IHATS4212\$***	IHATS5212\$***	1,69,705	2,04,795
1600	65	IHATS12160**#	IHATS22160**#	1,37,605	1,79,245	IHATS4216\$***	IHATS5216\$***	1,77,550	2,15,925
2000	65	IHATS12200**#	IHATS22200**#	1,51,730	2,08,185	IHATS4220\$***	IHATS5220\$***	1,92,605	2,43,800

\$ Please refer table 1 to replace \$ at page-21
** Please refer table 2 to replace ** at page-21
Please refer table 3 to replace # at page-21

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

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**#	1,16,845	1,62,320	IHAFS4206\$***	IHAFS5206\$***	1,55,260	2,04,480
800	65	IHAFS12080**#	IHAFS22080**#	1,21,340	1,66,280	IHAFS4208\$***	IHAFS5208\$***	1,61,995	2,05,975
1000	65	IHAFS12100**#	IHAFS22100**#	1,29,795	1,77,515	IHAFS4210\$***	IHAFS5210\$***	1,69,060	2,16,250
1250	65	IHAFS12120**#	IHAFS22120**#	1,62,320	2,11,220	IHAFS4212\$***	IHAFS5212\$***	1,98,275	2,46,100
1600	65	IHAFS12160**#	IHAFS22160**#	1,66,815	2,28,125	IHAFS4216\$***	IHAFS5216\$***	2,06,940	2,61,830
2000	65	IHAFS12200**#	IHAFS22200**#	1,91,530	2,62,900	IHAFS4220\$***	IHAFS5220\$***	2,32,620	3,02,810



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**#	75,010	1,08,395	IHATS4006\$***	IHATS5006\$***	1,03,365	1,47,235
800	65	IHATS10080**#	IHATS20080**#	77,895	1,12,565	IHATS4008\$***	IHATS5008\$***	1,14,595	1,48,840
1000	65	IHATS10100**#	IHATS20100**#	82,605	1,22,515	IHATS4010\$***	IHATS5010\$***	1,19,630	1,57,290
1250	65	IHATS10120**#	IHATS20120**#	1,08,395	1,50,765	IHATS4012\$***	IHATS5012\$***	1,46,590	1,82,010
1600	65	IHATS10160**#	IHATS20160**#	1,12,885	1,56,220	IHATS4016\$***	IHATS5016\$***	1,54,510	1,93,245
2000	65	IHATS10200**#	IHATS20200**#	1,27,010	1,85,435	IHATS4020\$***	IHATS5020\$***	1,69,705	2,21,385



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**#	92,130	1,37,605	IHAFS4006\$***	IHAFS5006\$***	1,30,540	1,79,760
800	65	IHAFS10080**#	IHAFS20080**#	96,625	1,41,565	IHAFS4008\$***	IHAFS5008\$***	1,37,285	1,81,260
1000	65	IHAFS10100**#	IHAFS20100**#	1,05,075	1,52,795	IHAFS4010\$***	IHAFS5010\$***	1,44,345	1,91,530
1250	65	IHAFS10120**#	IHAFS20120**#	1,37,605	1,86,505	IHAFS4012\$***	IHAFS5012\$***	1,73,555	2,21,385
1600	65	IHAFS10160**#	IHAFS20160**#	1,42,095	2,03,410	IHAFS4016\$***	IHAFS5016\$***	1,82,225	2,37,115
2000	65	IHAFS10200**#	IHAFS20200**#	1,66,815	2,38,185	IHAFS4020\$***	IHAFS5020\$***	2,07,910	2,78,095

\$ Please refer table 1 to replace \$ at page-21

** Please refer table 2 to replace ** at page-21

Please refer table 3 to replace # at page-21

Note : Prices on request

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

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	ISACX0332	Castle Lock Unit (1 lock+1 key)	3,180
7-5	ISSACX0437	Castle Lock Unit (2 lock+1 key)	5,605
7-6	ISSACX0436	Castle Lock Unit (3 lock+2 key)	8,917

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.
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 Insertation 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.

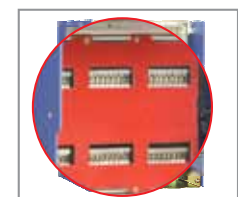
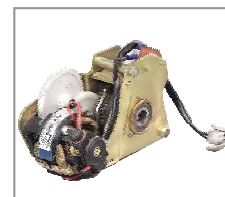
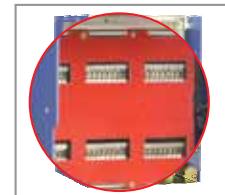


Table 1

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
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 ☐	Field test unit ☐	Position Indication Switch ☐	Spring Charge Indication Switch ☐	Mechanical Interlock ☐
	Mal Insertion Prevention device ☐	Door Interlock ☐	Five c/o additional Aux. contacts ☐	Shunt Trip ☐	UVT ☐
			Trip Indication Switch ☐	Key Lock ☐	
			Key Interlock	2L+1K ☐	3L+2K ☐

OFV-6

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		IHLSHAAT0050		IHLSHAAF0050	
	63A		IHLSHAAD0063		IHLSHAAT0063		IHLSHAAF0063	
	75A		IHLSHAAD0075		IHLSHAAT0075		IHLSHAAF0075	
	100A		IHLSHAAD0100 #	1,500	IHLSHAAT0100 #	1,750	IHLSHAAF0100 #	2,500



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	2,015	IHLGSF0025	2,650
	32		IHLGSS0032		IHLGST0032		IHLGSF0032	
	40		IHLGSS0040		IHLGST0040		IHLGSF0040	
	50		IHLGSS0050		IHLGST0050		IHLGSF0050	
	63		IHLGSS0063		IHLGST0063		IHLGSF0063	
	80		IHLGSS0080 #	1,300	IHLGST0080 #	2,080	IHLGSF0080 #	3,120
	100		IHLGSS0100 #		IHLGST0100 #		IHLGSF0100 #	
	125		IHLGSS0125 #		IHLGST0125 #		IHLGSF0125 #	
	150		IHLGSS0150 #		IHLGST0150 #	4,525	IHLGSF0150 #	5,720
	160		IHLGSS0160 #	1,340	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 #	4,900	IHLGNF0125 #	5,200
	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

Extended Terminals: In G-Frame from (80A to 160A)

In SH-Frame only 100A

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)

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	IHLGHDAS0025	1,475	IHLGHT0025	3,880	IHLGHF0025	4,600
	32		IHLGHDAS0032		IHLGHT0032		IHLGHF0032	
	40		IHLGHDAS0040		IHLGH T0040		IHLGHF0040	
	50		IHLGHDAS0050		IHLGHT0050		IHLGHF0050	
	63		IHLGHDAS0063		IHLGHT0063		IHLGHF0063	
	80		IHLGHDAS0080 #	1,500	IHLGHT0080 #	4,250	IHLGHF0080 #	5,200
	100		IHLGHDAS0100 #		IHLGHT0100 #		IHLGHF0100 #	
	125		IHLGHDAS0125 #		IHLGHT0125 #		IHLGHF0125 #	
	150		IHLGHDAS0150 #		IHLGHT0150 #		IHLGHF0150 #	
	160		IHLGHDAS0160 #		IHLGHT0160 #		IHLGHF0160 #	



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	7,000	IHLFNF0025	7,950
	32		IHLFNT0032		IHLFNF0032	
	40		IHLFNT0040		IHLFNF0040	
	50		IHLFNT0050		IHLFNF0050	
	63		IHLFNT0063		IHLFNF0063	
	80		IHLFNT0080 #	7,500	IHLFNF0080 #	8,200
	100		IHLFNT0100 #		IHLFNF0100 #	
	125		IHLFNT0125 #		IHLFNF0125 #	
	160		IHLFNT0160 #		IHLFNF0160 #	
	200		IHLFNT0200 #		IHLFNF0200 #	
	250		IHLFNT0250 #	12,420	IHLFNF0250 #	16,200



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	7,875	IHLFHF0025	8,925
	32		IHLFHT0032		IHLFHF0032	
	40		IHLFHT0040		IHLFHF0040	
	50		IHLFHT0050		IHLFHF0050	
	63		IHLFHT0063		IHLFHF0063	
	80		IHLFHT0080 #	8,400	IHLFHF0080 #	9,975
	100		IHLFHT0100 #		IHLFHF0100 #	
	125		IHLFHT0125 #		IHLFHF0125 #	
	160		IHLFHT0160 #		IHLFHF0160 #	
	200		IHLFHT0200 #		IHLFHF0200 #	
	250		IHLFHT0250 #	12,600	IHLFHF0250 #	16,800



Note : Switch Disconnector 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

Extended Terminals: In G-Frame from (80A to 160A)

In F-Frame from (80A to 250A)

MCCB's 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)

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 #	5,900	IHLASF0160 #	8,480
	200		IHLAST0200 #	6,785	IHLASF0200 #	9,275

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	4,240	IHLASF0025	5,860
	32		IHLASS0032		IHLAST0032		IHLASF0032	
	40		IHLASS0040		IHLAST0040		IHLASF0040	
	50		IHLASS0050		IHLAST0050		IHLASF0050	
	63		IHLASS0063		IHLAST0063		IHLASF0063	
	80		IHLASS0080 #		IHLAST0080 #		IHLASF0080 #	
	100		IHLASS0100 #		IHLAST0100 #	4,615	IHLASF0100 #	6,180
	125		IHLASS0125 #	3,555	IHLAST0125 #		IHLASF0125 #	
	160	AN	IHLANS0160 #	3,980	IHLANT0160 #	7,740	IHLANF0160 #	9,605
	200		IHLANS0200 #	4,545	IHLANT0200 #	9,860	IHLANF0200 #	12,190
	250		IHLANS0250 #	5,110	IHLANT0250 #	11,660	IHLANF0250 #	14,840

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 #	6,240	IHLANF0080 #	7,280
	100		IHLANT0100 #		IHLANF0100 #	
	125		IHLANT0125 #	6,450	IHLANF0125 #	7,595

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	IHLLEBFT0250 #	15,750	IHLLEBFT0250 #	18,900
	320		IHLLEBFT0320 #	17,325	IHLLEBFT0320 #	23,100
	400		IHLLEBFT0400 #	17,325	IHLLEBFT0400 #	23,100
	500		IHLLEBFT0500 #	21,525	IHLLEBFT0500 #	26,775
	630		IHLLEBFT0630 #	POR	IHLLEBFT0630 #	POR

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	MRP	Four Pole (wSN) Cat. No.	MRP
50	250	LN	IHLNFBT0250 #	16,800	IHLNFBT0250 #	19,950
	320		IHLNFBT0320 #	18,375	IHLNFBT0320 #	24,150
	400		IHLNFBT0400 #	18,375	IHLNFBT0400 #	24,150
	500		IHLNFBT0500 #	22,575	IHLNFBT0500 #	27,825
	630		IHLNFBT0630 #	POR	IHLNFBT0630 #	POR

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

MCCBs are with extended terminals.

*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 #	16,275	IHLLSECF0250 #	19,425
	320		IHLLSECT0320 #	17,850	IHLLSECF0320 #	23,625
	400		IHLLSECT0400 #	17,850	IHLLSECF0400 #	23,625
	500		IHLLSECT0500 #	22,050	IHLLSECF0500 #	27,300
	630		IHLLSECT0630 #	POR	IHLLSECF0630 #	POR

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 #	17,325	IHLLNFCF0250 #	20,475
	320		IHLLNFCT0320 #	18,900	IHLLNFCF0320 #	24,675
	400		IHLLNFCT0400 #	18,900	IHLLNFCF0400 #	24,675
	500		IHLLNFCT0500 #	23,100	IHLLNFCF0500 #	28,350
	630		IHLLNFCT0630 #	POR	IHLLNFCF0630 #	POR

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 #	12,720	IHLCNF0160 #	16,750
	200		IHLCNT0200 #	13,995	IHLCNF0200 #	18,020
	250		IHLCNT0250 #	17,385	IHLCNF0250 #	20,670
	315		IHLCNT0315 #	20,140	IHLCNF0315 #	26,500
	400		IHLCNT0400 #	20,140	IHLCNF0400 #	26,500
	500		IHLCNT0500 #	23,320	IHLCNF0500 #	28,620
	630		IHLCNT0630 #	23,320	IHLCNF0630 #	28,620
	800		IHLCNT0800 #	29,680	IHLCNF0800 #	36,765



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 #	14,630	IHLCHF0160 #	18,020
	200		IHLCHT0200 #	15,900	IHLCHF0200 #	20,140
	250		IHLCHT0250 #	19,610	IHLCHF0250 #	22,725
	315		IHLCHT0315 #	21,200	IHLCHF0315 #	28,090
	400		IHLCHT0400 #	21,200	IHLCHF0400 #	28,090
	500		IHLCHT0500 #	26,015	IHLCHF0500 #	32,330
	630		IHLCHT0630 #	26,015	IHLCHF0630 #	32,860
	800		IHLCHT0800 #	31,800	IHLCHF0800 #	38,160



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 #	77,510	IHLDNF1000**	POR
	1250		IHLDNT1250 #	88,860	IHLDNF1250**	POR
	1600		IHLDNT1600 #	95,780	-	-



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 (except DN-Frame).

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 250V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	MRP
5	25	GN	IHMCGNT0025	3,995
	32		IHMCGNT0032	
	40		IHMCGNT0040	
	50		IHMCGNT0050	
	63		IHMCGNT0063	
	80		IHMCGNT0080 #	
	100		IHMCGNT0100 #	
	125		IHMCGNT0125 #	4,985



Adjustable thermal* & fixed magnetic setting

Breaking Capacity Icu at 250VDC (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	MRP
10	160	AN	IHMCANT0160 #	11,130
	200		IHMCANT0200 #	12,075
	250		IHMCANT0250 #	13,615



Adjustable thermal & adjustable magnetic setting*

Breaking Capacity Icu at 250VDC (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	MRP
20	160	CH	IHMCCHT0160 #	15,275
	200		IHMCCHT0200 #	16,800
	250		IHMCCHT0250 #	21,585
	315		IHMCCHT0315 #	22,575
	400		IHMCCHT0400 #	22,575
	500		IHMCCHT0500 #	26,775
	630		IHMCCHT0630 #	26,775
	800		IHMCCHT0800 #	33,600



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

All the above MCCB's 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	650	IHLAS110	700	IHLSTF110	700	IHLCS110	1,250	IHLLSTD110	1,700	IHLLS110	1,050
220-240Vac	IHLGS240	650	IHLAS240	700	IHLSTF240	700	IHLCS240	1,250	IHLLSTD240	1,700	IHLLS240	1,050
380-415Vac	IHLGS415	—	IHLAS415	700	IHLSTF415	700	IHLCS415	1,250	IHLLSTD415	1,700	IHLLS415	1,050

Under Voltage Release

110-120Vac	IHLGU110	1,080	IHLAU110	1,150	IHLUVRF110	1,150	IHLCU110	1,300	IHLUVRD110	1,700	IHLLU110	1,180
220-240Vac	IHLGU240	1,080	IHLAU240	1,150	IHLUVRF240	1,150	IHLCU240	1,300	IHLUVRD240	1,700	IHLLU240	1,180
380-440Vac	IHLGU440	1,080	IHLAU440	1,150	IHLUVRF440	1,150	IHLCU440	1,300	IHLUVRD440	1,700	IHLLU415	1,180

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	900	IHLAD000	1,050								
Door Mounting	IHLGRN30	900	IHLARN30	1,050	IHLRRHF30	1,050	IHLRRHC30	1,500	IHLRRHD30	2,000	IHLARN30	1,350

Trip Alarm Contact (Factory Fitted)	IHLLALG1CO	655	IHLLALA1CO	680	IHLLALF1CO	680	IHLLALC1CO*	915	—	—	IHLLB000	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)
- * - Factory Fitted only
- # - Replace '#' with rating

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	6,000
12.	'C' Frame FP (400A)	IHECFP	6,500
13.	'C' Frame TP (800A)	IHECTS	6,500
14.	'C' Frame FP (800A)	IHECFS	6,500

Earth Fault Relay for MCCBs

Sl. No.	MCCBs Current Range (Amps)	Cat. No.**	MRP
1	25-100	IHEF1100	4,800
2	125-200	IHEF2200	5,600
3	250-400	IHEF3400	6,500
4	500-800	IHEF4800	7,000

- The above prices are inclusive of CBCT.

** 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)

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	MRP	Four Pole (wSN) Cat. No.	MRP
35	25	FEN	IHLFENT0025	8,925	IHLFENF0025	11,550
	32		IHLFENT0032		IHLFENF0032	
	40		IHLFENT0040		IHLFENF0040	
	50		IHLFENT0050		IHLFENF0050	
	63		IHLFENT0063		IHLFENF0063	
	80		IHLFENT0080 #		IHLFENF0080 #	
	100		IHLFENT0100 #		IHLFENF0100 #	
	125		IHLFENT0125 #	9,450	IHLFENF0125 #	12,075
	160		IHLFENT0160 #	9,975	IHLFENF0160 #	12,600
	200		IHLFENT0200 #	12,105	IHLFENF0200 #	14,700
	250		IHLFENT0250 #	13,650	IHLFENF0250 #	16,800



Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	MRP	Four Pole (wSN) Cat. No.	MRP
50	25	FEH	IHLFEHT0025	9,450	IHLFEHF0025	12,075
	32		IHLFEHT0032		IHLFEHF0032	
	40		IHLFEHT0040		IHLFEHF0040	
	50		IHLFEHT0050		IHLFEHF0050	
	63		IHLFEHT0063		IHLFEHF0063	
	80		IHLFEHT0080 #		IHLFEHF0080 #	
	100		IHLFEHT0100 #		IHLFEHF0100 #	
	125		IHLFEHT0125 #	9,975	IHLFEHF0125 #	12,600
	160		IHLFEHT0160 #	11,025	IHLFEHF0160 #	13,650
	200		IHLFEHT0200 #	13,125	IHLFEHF0200 #	15,750
	250		IHLFEHT0250 #	14,700	IHLFEHF0250 #	17,850



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

Extended terminal: In FEN Frame from (80A-250A)

In FEH Frame from (80A-250A)

MCCBs of rating 80A & above are also available without extended terminals/spreaderlinks (Price on request)

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	28,625
	4	IHBG025004	35,450
	6	IHBG025006	41,845
	8	IHBG025008	44,755
	12	IHBG025012	56,365
	16	IHBG025016	65,660
400A "CN" Frame MCCB	2	IHBG040002	35,450
	4	IHBG040004	42,170
	6	IHBG040006	48,510
	8	IHBG040008	51,380
	12	IHBG040012	63,180
	16	IHBG040016	72,325

* 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	11,310
2	Cable Alley 4WAY I/C 250A / 2WAY I/C 400A	IHBGCA04	13,135
3	Cable Alley 6W I/C 250A / 4W I/C 400A	IHBGCA06	15,105
4	Cable Alley 8WAY I/C 250A	IHBGCA08	15,105
5	Cable Alley 12WAY I/C 250A / 6 & 8WAY I/C 400A	IHBGCA12	17,360
6	Cable Alley 16WAY I/C 250A / 12WAY I/C 400A	IHBGCA16	20,425
7	Cable Alley 16WAY I/C 400A	IHBGCA46	21,605

* 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	4,090
2.	Meter Module - Digital Provision for Ammeter, Voltmeter - Digital with selector switch	IHBGMD00	4,090
3.	MCB Module	IHBGMC00	4,410
4.	Add on Module	IHBGAM00	4,090

* 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	31,395
	4	IHBGF25004	38,980
	6	IHBGF25006	46,085
	8	IHBGF25008	49,225
	12	IHBGF25012	72,215
	16	IHBGF25016	85,210
400A "CN" Frame MCCB	2	IHBGF40002	39,030
	4	IHBGF40004	46,410
	6	IHBGF40006	53,365
	8	IHBGF40008	56,565
	12	IHBGF40012	79,540
	16	IHBGF40016	92,535

* 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	12,445
2	CABLE ALLEY 4WAY I/C 250A / 2WAY I/C 400A	IHBGFCA04	14,440
3	CABLE ALLEY 6WAY I/C 250A / 4WAY I/C 400A	IHBGFCA06	16,625
4	CABLE ALLEY 8WAY I/C 250A / 6WAY I/C 400A	IHBGFCA08	16,625
5	CABLE ALLEY 12WAY I/C 250A/ 8WAY I/C 400A	IHBGFCA12	19,090
6	CABLE ALLEY 12WAY I/C 400A	IHBGFCA42	22,470

* 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	12,130
2	Meter Module - Digital	IHBGDW00	15,435



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	6	IHBA040006	72,660
"CN/CH" Frame	8	IHBA040008	75,530
MCCB	12	IHBA040012	1,01,640
800A	6	IHBA080006	78,435
"CN/CH" Frame	8	IHBA080008	81,375
MCCB	12	IHBA080012	1,07,520

* 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	17,380
2	Cable Alley 8WAY 400A IC	IHBACA08	17,380
3	Cable Alley 12WAY 400A IC	IHBACA12	19,845

* 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	19,845
2	Cable Alley 8WAY 800A IC	IHBBCA08	19,845
3	Cable Alley 12WAY 800A IC	IHBBCA12	22,610

* 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	4,710
2.	Meter Module - Digital Provision for Ammeter, Voltmeter - Digital with selector switch	IHBAMD00	4,710
3.	MCB Module	IHBAMC00	5,075
4.	Add on Module	IHBAAM00	4,710

* 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	14,335
2	Meter Module - Digital	IHBADW00	16,540



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	3,925	IHCNFE0040	5,830
00	063	IHCNFO0063	4,400	IHCNFE0063	6,050
00	080	IHCNFO0080	5,560	IHCNFE0080	6,915
00	100	IHCNFO0100	5,775	IHCNFE0100	7,740



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	8,725	IHCNFE0125	12,075
0	160	IHCNFO0160	9,515	IHCNFE0160	12,495
0	200	IHCNFO0200	11,340	IHCNFE0200	14,555
1	250	IHCNFO0250	16,800	IHCNFE0250	19,475
1	320	IHCNFO0320	18,010	IHCNFE0320	20,315
2	400	IHCNFO0400	26,200	IHCNFE0400	30,660
2	630	IHCNFO0630	30,975	IHCNFE0630	35,540
3	800	IHCNFO0800	45,245	IHCNFE0800	50,345
4	1000	IHCNFO1000	73,500	IHCNFE1000	93,715
4	1250	IHCNFO1250	1,05,380	IHCNFE1250	1,21,440
4	1600	IHCNFO1600	1,49,160	IHCNFE1600	1,64,450
5	2000	IHCNFO2000	1,81,675	IHCNFE2000	2,13,620
5	2500	IHCNFO2500	2,36,850	IHCNFE2500	2,67,850
5	3150	IHCNFO3150	3,29,880	IHCNFE3150	3,58,985



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	8,340
00	100	IHCBFO0100	9,955



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	12,680
0	160	IHCBFO0160	15,150
0	200	IHCBFO0200	16,065
1	250	IHCBFO0250	22,890
1	320	IHCBFO0320	23,850
2	400	IHCBFO0400	34,565
2	630	IHCBFO0630	43,185
3	800	IHCBFO0800	47,900
3	1000	IHCBFO1000	91,085

Accessories:

Aux. Contact	Cat. No.	MRP
1 NO. 1 NC.	IHCNFAC1CO	290
2 NO. 2 NC.	IHCNFAC2CO	365

Industrial Switchgear

Automatic Transfer Switch

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as per Regular Terms & Conditions

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	33,490	IHYFSAO100	37,365
160	IHYTSAO160	45,030	IHYFSAO160	48,890
200	IHYTSAO200	55,950	IHYFSAO200	59,790
315	IHYTSAO315	66,975	IHYFSAO315	70,770
400	IHYTSAO400	84,480	IHYFSAO400	88,350
630	IHYTSAO630	1,05,150	IHYFSAO630	1,09,075
With Enclosure				
100	IHYTSAE100	38,115	IHYFSAE100	42,085
160	IHYTSAE160	49,980	IHYFSAE160	53,945
200	IHYTSAE200	61,110	IHYFSAE200	65,070
315	IHYTSAE315	72,555	IHYFSAE315	76,460
400	IHYTSAE400	93,175	IHYFSAE400	97,190
630	IHYTSAE630	1,14,265	IHYFSAE630	1,20,415

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	42,600
160	IHY#PDO160	49,700	53,180
200	IHY#PDO200	62,500	63,185
315	IHY#PDO315	72,500	73,250
400	IHY#PDO400	91,690	93,120
630	IHY#PDO630	1,10,560	1,12,890
With Enclosure			
100	IHY#PDE100	45,795	49,530
160	IHY#PDE160	56,285	60,950
200	IHY#PDE200	67,840	71,675
315	IHY#PDE315	78,865	82,150
400	IHY#PDE400	97,945	1,01,760
630	IHY#PDE630	1,18,085	1,23,915

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	44,415
160	IHYFRAE160	54,705
200	IHYFRAE200	65,415
315	IHYFRAE315	75,705
400	IHYFRAE400	93,660
630	IHYFRAE630	1,12,665



Euroload Switch DisconnecterConforms 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	1,845	IHCSTE0080	2,875
0	100	IHCSTO0100	3,010	IHCSTE0100	4,270
0	125	IHCSTO0125	3,995	IHCSTE0125	5,200
0	160	IHCSTO0160	4,765	IHCSTE0160	5,975
0	200	IHCSTO0200	5,410	IHCSTE0200	6,705
1	250	IHCSTO0250	6,755	IHCSTE0250	8,615
1	320	IHCSTO0320	7,425	IHCSTE0320	9,435
1	400	IHCSTO0400	10,685	IHCSTE0400	12,880

**Euroload** Switch Disconnecter

Four Pole, 415V

Frame Size	Current Rating (Amps)	Open Execution Cat. Code	MRP	SS Enclosure Cat. Code	MRP
00	40	IHCSFO0040	1,380	IHCSFE0040	2,225
00	63	IHCSFO0063	1,635	IHCSFE0063	2,480
00	80	IHCSFO0080	2,425	IHCSFE0080	3,285
00	100	IHCSFO0100	3,915	IHCSFE0100	4,785
0	125	IHCSFO0125	4,175	IHCSFE0125	5,275
0	160	IHCSFO0160	4,995	IHCSFE0160	6,095
0	200	IHCSFO0200	6,025	IHCSFE0200	7,275
1	250	IHCSFO0250	7,560	IHCSFE0250	9,790
1	320	IHCSFO0320	8,280	IHCSFE0320	10,400
2	400	IHCSFO0400	11,490	IHCSFE0400	14,365
2	630	IHCSFO0630	13,160	IHCSFE0630	16,220
3	800	IHCSFO0800	18,275	IHCSFE0800	23,140
4	1000	IHCSFO1000	29,675	IHCSFE1000	37,465
4	1250	IHCSFO1250	41,525	IHCSFE1250	50,570
4	1600	IHCSFO1600	58,475	IHCSFE1600	68,000
5	2000	IHCSFO2000	70,285	IHCSFE2000	89,540
5	2500	IHCSFO2500	91,200	IHCSFE2500	1,17,195
5	3150	IHCSFO3150	1,28,660	IHCSFE3150	1,51,420



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	1,500	IHFDDW4032	2,125	IHTIA0032
32	IHFFDF4032	1,885	IHFFDW4032	2,465	IHCDD00032
63	IHFDDF4063	2,150	IHFDDW4063	2,780	IHTSS0063
63	IHFFDF4063	2,455	IHFFDW4063	3,065	IHCDD00063
100	IHFDDF4100	4,480	IHFDDW4100	5,135	IHTSD0100
100	IHFFDF4100	4,615	IHFFDW4100	5,275	IHCDD00100
125	IHFDDF4125	4,650	IHFDDW4125	5,300	IHTSD0125
125	IHFFDF4125	5,085	IHFFDW4125	5,735	IHCDD00125



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	2,740	IHTIA0032
32	IHFFTF4032	2,090	IHFFTW4032	3,275	IHCDD00032
63	IHFDTF4063	2,315	IHFDTW4063	3,510	IHTSS0063
63	IHFFTF4063	2,800	IHFFTW4063	4,005	IHCDD00063
100	IHFDTF4100	5,015	IHFDTW4100	6,685	IHTSD0100
100	IHFFTF4100	5,045	IHFFTW4100	6,715	IHCDD00100
125	IHFDTF4125	5,700	IHFDTW4125	7,365	IHTSD0125
125	IHFFTF4125	5,955	IHFFTW4125	7,620	IHCDD00125



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	IHTSF0160
160	IHFKTF4160	7,460	IHFKTW4160	10,040	IHCDD01160
200	IHFSTF4200	7,875	IHFSTW4200	10,555	IHTSF0200
200	IHFKTF4200	8,205	IHFKTW4200	10,915	IHCDD01200
250	IHFSTF4250	8,925	IHFSTW4250	11,645	IHTSF0250
250	IHFKTF4250	10,140	IHFKTW4250	12,850	IHCDD01250
320	IHFSTF4320	12,285	IHFSTW4320	14,995	IHTSK0315
320	IHFKTF4320	13,095	IHFKTW4320	15,800	IHCDD02315
400	IHFSTF4400	15,615	IHFSTW4400	18,325	IHTSMF400
400	IHFKTF4400	15,405	IHFKTW4400	18,105	IHCDD02400
630	IHFSTF4630	25,465	IHFSTW4630	29,070	IHTLM0630
630	IHFKTF4630	24,950	IHFKTW4630	28,560	IHCDD03630



* All switch disconnecter 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)

Komcompact 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	IHTIA0032
32	IHFFF4032	2,945	IHFFW4032	3,670	IHCDO0032
63	IHFDF4063	2,915	IHFDFW4063	3,635	IHTSS0063
63	IHFFF4063	3,455	IHFFW4063	4,175	IHCDO0063
100	IHFDF4100	6,040	IHFDFW4100	7,425	IHTSD0100
100	IHFFF4100	6,265	IHFFW4100	7,665	IHCDO0100
125	IHFDF4125	6,480	IHFDFW4125	7,875	IHTSD0125
125	IHFFF4125	6,800	IHFFW4125	8,190	IHCDO0125



Komcompact-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	IHFSFW4160	10,930	IHTSF0160
160	IHKFF4160	9,915	IHKFW4160	11,845	IHCDO1160
200	IHFSFF4200	9,435	IHFSFW4200	11,425	IHTSF0200
200	IHKFF4200	10,375	IHKFW4200	12,360	IHCDO1200
250	IHFSFF4250	10,380	IHFSFW4250	12,670	IHTSF0250
250	IHKFF4250	11,355	IHKFW4250	13,650	IHCDO1250
320	IHFSFF4320	13,665	IHFSFW4320	17,115	IHTSK0315
320	IHKFF4320	14,070	IHKFW4320	17,515	IHCDO2315
400	IHFSFF4400	16,170	IHFSFW4400	19,615	IHTSMF400
400	IHKFF4400	15,695	IHKFW4400	19,125	IHCDO2400
630	IHFSFF4630	28,435	IHFSFW4630	31,870	IHTLM0630
630	IHKFF4630	27,935	IHKFW4630	30,595	IHCDO3630



Note:-

* All switch disconnecter 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)

Industrial Switchgear Busbar Chambers

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

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





General Purpose

Switchgear



Industrial Switchgear

Load Changeover Switches

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

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
	Double Pole	
32	IHCFFE0032	1,580
63	IHCFFE0063 ^{NEW}	3,010
	Triple Pole	
32	IHCFFE0032	2,315
63	IHCFFE0063	4,545
100	IHCFFE0100	8,600
	Four Pole	
16	IHCFFE0016	2,315
32	IHCFFE0032	2,780
63	IHCFFE0063	5,660
100	IHCFFE0100	11,365



Offload Changeover Switch- AC 21 (side handle)

in sheet enclosure, 415V AC, 50 Hz.

Rating Amp.	Cat. No.	MRP
	Four Pole	
200	IHCFFE0200	16,825
320	IHCFFE0320	20,645
400	IHCFFE0400	26,975
630	IHCFFE0630	42,175
800	IHCFFE0800	52,585
1000	IHCFFE1000	73,325
1250	IHCFFE1250	1,57,505
1500	IHCFFE1500	1,81,755
2000	IHCFFE2000	2,55,980

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	530
32/240	IHSRSE2032	1,260
32/415	IHSRSE4032	1,780
63/415	IHSRSE4063	3,065
Double Pole		
16/240	IHSRDE2016	550
32/240	IHSRDE2032	1,360
32/415	IHSRDE4032	2,005
63/415	IHSRDE4063	3,535



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	1,575	IHSSTE4016	1,575	IHSBTE4016	1,575	IHHNS0016
32	IHSRTE4032	2,000	IHSSTE4032	1,990	IHSBTE4032	1,990	IHHTIA0032
63 *	IHSRTE4063	4,170	—	—	—	—	—
63 #	IHSDTE4063	4,450	IHSSTE4063	4,450	IHSBTE4063	3,340	IHHTSS0063
100 *	IHSRTE4100	7,770	—	—	—	—	—
100 #	IHSDTE4100	8,150	IHSSTE4100	8,150	IHSBTE4100	8,125	IHHTSD0100
200	IHSRTE4200	12,595	—	—	—	—	—
320	IHSRTE4320	15,580	—	—	—	—	—

* - 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 Amp.	Cat. No.	MRP	Cat. No.	MRP	Fuse Type
	Triple Pole & Neutral		Four Pole with Switched Neutral		
63	IHFNTW4063	6,430	IHFNFW4063	7,860	IHHTSS0063
100	IHFNTW4100	8,695	IHFNFW4100	10,985	IHHTSD0100
160	IHFNTW4160 ^{NEW}	13,135	IHFNFW4160 ^{NEW}	15,580	IHHTSD0160
200	IHFNTW4200	14,815	IHFNFW4200	16,385	IHHTSF0200
320	IHFNTW4320	16,695	IHFNFW4320	20,865	IHHTSK0315
400	IHFNTW4400	23,950	IHFNFW4400	32,525	IHHTSMF400
500	IHFNTW4500	33,850	—	—	IHHTTM0500
800*	IHFNTW4800	42,205	—	—	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.

Industrial Switchgear

HBC Fuse Links

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as per Regular Terms & Conditions

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		
					250	IHHTSF0250	290	10
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



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		
			100	IHHCD11100		
00	415	80	6	IHHCD00006	230	3
			10	IHHCD00010		
			16	IHHCD00016		
			20	IHHCD00020		
			25	IHHCD00025		
			32	IHHCD00032		
			50	IHHCD00050		
			63	IHHCD00063		
			80	IHHCD00080		
			100	IHHCD00100		
01	415	80	125	IHHCD00125	295	3
			160	IHHCD00160	315	3
			32	IHHCD01032	460	3
			63	IHHCD01063		
			80	IHHCD01080		
			100	IHHCD01100		
			125	IHHCD01125		
			160	IHHCD01160	475	3
			200	IHHCD01200	545	3
			250	IHHCD01250		
02	415	80	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		



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
		63	IHHRH00063	155	20



Industrial Switchgear

Hibreak Fuse Holders & Fuse Base

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as per Regular Terms & Conditions

HiBreak

DIN Fuse Bases (Modular Type)

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

Rated 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.

Rated 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
IHVTIAH032	32A HRC FF Cam Lock Front Connection	HTIA	160	6
IHVTSSH063	63A HRC FF Cam Lock Front Connection	HTSS	195	3
IHVTSDH100	100A HRC FF Cam Lock Front Connection	HTSD	480	3
IHVONSB020	20A HRC FF Cam Lock Bus Bar Connection	HNS	95	12
IHVTIAB032	32A HRC FF Cam Lock Bus Bar Connection	HTIA	160	6
IHVTSSB063	63A HRC FF Cam Lock Bus Bar Connection	HTSS	195	3
IHVTSDB100	100A HRC FF Cam Lock Bus Bar Connection	HTSD	480	3
IHVONSR020	20A HRC FF Cam Lock Rear Connection	HNS	95	12
IHVTIAR032	32A HRC FF Cam Lock Rear Connection	HTIA	160	6
IHVTSSR063	63A HRC FF Cam Lock Rear Connection	HTSS	195	3
IHVTSDR100	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	95	20
16/415	IHKKRN4016	170	24
32/240	IHKKRN2032	170	24
32/415	IHKKRN4032	210	12
63/415 *	IHKKRN4063	340	12
63/415 #	IHKKDN4063	380	6
100/415 *	IHKKRN4100	615	6
100/415 #	IHKKDN4100	700	1
200/415 *	IHKKRN4200	1,220	1
200/415 **	IHKKRT4200	1,405	1
320/415 *	IHKKRN4320	1,780	1
320/415**	IHKKRT4320	2,095	1

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





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Havells India Ltd.

Corp Office: QRG Towers, 2D, Sector-126, Expressway, Noida-201304 (U.P), Ph. +91-120-4771000,
E-mail: marketing@havells.com, www.havells.com
Consumer Care No.: 1800 11 0303 (Tollfree), 011-4166 0303 (Landline) 1800 103 1313 (All Connections)

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