



HAVELLS

Industrial Switchgear, Controlgear & Power Quality Solution



LIST PRICE : w.e.f. 15th Feb, 2021

Note: All Switchgear and Controlgear Products to be billed at 18% *GST.
*Subject to change as per Govt. Notification




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3 Pole Power Contactors

Features:

- Range : 9 A – 800 A, AC-3 in 8 Frames
- Conforms to IS / IEC 60947-4-1
- Snap fit construction up to 40 A
- Completely Shield for dusty atmosphere
- Nut Retaining Washer for quick termination
- DIN rail mounting up to 100 A
- Protection degree IP 20

HSN Code: 8536

Frame Size	AC-3 Duty Rating at 415 V, 50 Hz			AC-1 Duty Rating at 415 V, 50 Hz I_{th} A	Power Poles	Auxiliary Contact Arrangement		Type	Item Code	Per Unit LP (₹)
	I_e A	kW	HP			NO	NC			
1	9 A	4 kW	5.0 HP	25 A	3	1	0	HGS 9	IHPHA009110*	762.00
	9 A	4 kW	5.0 HP	25 A	3	0	1	HGS 9	IHPHA009101*	762.00
	12 A	5.5 kW	7.5 HP	30 A	3	1	0	HGS 12	IHPHA012110*	903.00
	12 A	5.5 kW	7.5 HP	30 A	3	0	1	HGS 12	IHPHA012101*	903.00
	18 A	9 kW	12.5 HP	40 A	3	1	0	HGS 18	IHPHA018110*	1054.00
	18 A	9 kW	12.5 HP	40 A	3	0	1	HGS 18	IHPHA018101*	1054.00
2	25 A	11 kW	15 HP	45 A	3	1	0	HGS 25	IHPHA025110*	1293.00
	25 A	11 kW	15 HP	45 A	3	0	1	HGS 25	IHPHA025101*	1293.00
	32 A	15 kW	20 HP	55 A	3	1	0	HGS 32	IHPHA032110*	2820.00
	32 A	15 kW	20 HP	55 A	3	0	1	HGS 32	IHPHA032101*	2820.00
	40 A	22 kW	30 HP	60 A	3	1	0	HGS 40	IHPHA040110*	4280.00
	40 A	22 kW	30 HP	60 A	3	0	1	HGS 40	IHPHA040101*	4280.00
3	50 A	25 kW	35 HP	70 A	3	2	2	HGS 50	IHPHA050300*	5378.00
	65 A	37 kW	50 HP	85 A	3	2	2	HGS 65	IHPHA065300*	7310.00
4	75 A	45 kW	60 HP	110 A	3	2	2	HGS 75	IHPHA075400*	9191.00
	85 A	45 kW	60 HP	125 A	3	2	2	HGS 85	IHPHA085400*	10125.00
	100 A	45 kW	60 HP	135 A	3	2	2	HGS 100	IHPHA100400*	13236.00
5	115 A	59 kW	75 HP	160 A	3	2	2	HGS 115	IHPHA115500*	15773.00
	130 A	75 kW	100 HP	180 A	3	2	2	HGS 130	IHPHA130500*	16658.00
	150 A	80 kW	100 HP	210 A	3	2	2	HGS 150	IHPHA150500*	18843.00
6	185 A	100 kW	135 HP	275 A	3	2	2	HGS 185	IHPHA185600*	24323.00
	225 A	110 kW	150 HP	315 A	3	2	2	HGS 225	IHPHA225600*	24674.00
	265 A	132 kW	180 HP	350 A	3	2	2	HGS 265	IHPHA265600*	28980.00
7	300 A	150 kW	200 HP	400 A	3	2	2	HGS 300	IHPHA300700*	36541.00
	400 A	220 kW	300 HP	500 A	3	2	2	HGS 400	IHPHA400700*	42648.00
	500 A	280 kW	380 HP	550 A	3	2	2	HGS 500	IHPHA500700*	63555.00
8	630 A	375 kW	500 HP	750 A	3	2	2	HGS 630	IHPHA630800*	99153.00
	800 A	450 kW	610 HP	900 A	3	2	2	HGS 800	IHPHA800800*	168705.00



*To complete the Cat no. suffix the coil voltage from the coil voltage table (Table-1)

- Note:
1. For additional aux. contacts front/side mounted and mechanical interlock - refer accessories table.
 2. Standard Spare coil are available on request.

Controlgear

4 Pole Power Contactor

Features:

- Range: 16 A to 60 A, AC-1
- Conforms to IS / IEC 60947-4-1
- Snap fit construction
- Completely Shield for dusty atmosphere
- Low VA burden Coils

Frame Size	AC 1 Duty	Power Poles	Item Code	Per Unit LP (₹)	Power Poles	Item Code	Per Unit LP (₹)
Frame 1	16	4NO	IHPHC016100*	974.00	2NO + 2NC	IHPHC016122*	1072.00
	20	4NO	IHPHC020100*	995.00	2NO + 2NC	IHPHC020122*	1095.00
	25	4NO	IHPHC025100*	1105.00	2NO + 2NC	IHPHC025122*	1216.00
	32	4NO	IHPHC032100*	1145.00	2NO + 2NC	IHPHC032122*	1260.00
Frame 2	40	4NO	IHPHC040100*	1695.00	2NO + 2NC	IHPHC040122*	1793.00
	50	4NO	IHPHC050200*	2209.00	2NO + 2NC	IHPHC050222*	2430.00
	60	4NO	IHPHC060200*	4217.00	2NO + 2NC	IHPHC060222*	4637.00



Aux Contactor / Control Relay - HGS Series with AC / DC Coil

Features:

- Applicable standard IEC 60947-5-1
- Protection degree IP20
- Common accessories for HGS Range

Frame size	I _{th}	Contact arrangement		Type	Item Code	Per Unit LP (₹) with AC Coil	Per Unit LP (₹) with DC Coil
		NO	NC				
1	16 A	2	2	HGR 22	IHHAC22*	790.00	POR
		3	1	HGR 31	IHHAC31*	790.00	
		4	0	HGR 40	IHHAC40*	790.00	
		0	4	HGR 04	IHHAC04*	790.00	
		1	3	HGR 13	IHHAC13*	790.00	



*To complete the Cat no. suffix the coil voltage from the coil voltage table (Table-1)

Capacitor Duty Contactor

Features:

- Range : 3 kVAr to 66 kVAr
- Low VA burden coils
- Standard accessories for HGS Series
- High making and breaking frequency 240 cycle / hour
- Handle high inrush current capability
- Utilization category AC-6b

kVAr Rating AC-6b	Inst. Aux. Contact		Item Code	Per Unit LP (₹)
	NO	NC		
415 V / 440 V				
3 kVAr	1	0	IHPHE003110*	1590.00
3 kVAr	0	1	IHPHE003101*	1590.00
5 kVAr	1	0	IHPHE005110*	1714.00
5 kVAr	0	1	IHPHE005101*	1714.00
10 kVAr	1	0	IHPHE010110*	1985.00
10 kVAr	0	1	IHPHE010101*	1985.00
12.5 kVAr	1	0	IHPHE12X110*	2222.00
12.5 kVAr	0	1	IHPHE12X101*	2222.00
15 kVAr	1	0	IHPHE015110*	2794.00
15 kVAr	0	1	IHPHE015101*	2794.00
20 kVAr	1	0	IHPHE020210*	2940.00
20 kVAr	0	1	IHPHE020201*	2940.00
25 kVAr	1	0	IHPHE025210*	3354.00
25 kVAr	0	1	IHPHE025201*	3354.00
33.3 kVAr	1	0	IHPHE33X210*	4945.00
33.3 kVAr	0	1	IHPHE33X201*	4945.00
40 kVAr	2	2	IHPHE040322*	8786.00
50 kVAr	2	2	IHPHE050422*	9537.00
66 kVAr	2	2	IHPHE066422*	11193.00



3 Pole Power Contactors - HGSD Series with DC Coil (9 A to 800 A)

HSN Code: 8536

Frame Size	AC-3 Duty Rating at 415 V, 50 Hz			AC-1 Duty Rating at 415 V, 50 Hz I _{th} A	Power Poles	Auxiliary Contact Arrangement		Type	Item Code	Per Unit LP (₹)
	I _e A	kW	HP			NO	NC			
1	9 A	4 kW	5.0 HP	25 A	3	1	0	HGSD 9	IHPHA009110*	POR
	9 A	4 kW	5.0 HP	25 A	3	0	1	HGSD 9	IHPHA009101*	
	12 A	5.5 kW	7.5 HP	30 A	3	1	0	HGSD 12	IHPHA012110*	
	12 A	5.5 kW	7.5 HP	30 A	3	0	1	HGSD 12	IHPHA012101*	
	18 A	9 kW	12.5 HP	40 A	3	1	0	HGSD 18	IHPHA018110*	
	18 A	9 kW	12.5 HP	40 A	3	0	1	HGSD 18	IHPHA018101*	
2	25 A	11 kW	15 HP	45 A	3	1	0	HGSD 25	IHPHA025210*	
	25 A	11 kW	15 HP	45 A	3	0	1	HGSD 25	IHPHA025201*	
	32 A	15 kW	20 HP	55 A	3	1	0	HGSD 32	IHPHA032210*	
	32 A	15 kW	20 HP	55 A	3	0	1	HGSD 32	IHPHA032201*	
	40 A	22 kW	30 HP	60 A	3	1	0	HGSD 40	IHPHA040210*	
	40 A	22 kW	30 HP	60 A	3	0	1	HGSD 40	IHPHA040201*	
3	50 A	25 kW	35 HP	70 A	3	2	2	HGSD 50	IHPHA050300*	
	65 A	37 kW	50 HP	85 A	3	2	2	HGSD 65	IHPHA065300*	
4	75 A	45 kW	60 HP	110 A	3	2	2	HGSD 75	IHPHA075400*	
	85 A	45 kW	60 HP	125 A	3	2	2	HGSD 85	IHPHA085400*	
	100 A	45 kW	60 HP	135 A	3	2	2	HGSD 100	IHPHA100400*	
5	115 A	59 kW	75 HP	160 A	3	2	2	HGS 115	IHPHA115500*	15773.00
	130 A	75 kW	100 HP	180 A	3	2	2	HGS 130	IHPHA130500*	16658.00
	150 A	80 kW	100 HP	210 A	3	2	2	HGS 150	IHPHA150500*	18843.00
6	185 A	100 kW	135 HP	275 A	3	2	2	HGS 185	IHPHA185600*	24323.00
	225 A	110 kW	150 HP	315 A	3	2	2	HGS 225	IHPHA225600*	24674.00
	265 A	132 kW	180 HP	350 A	3	2	2	HGS 265	IHPHA265600*	28980.00
7	300 A	150 kW	200 HP	400 A	3	2	2	HGS 300	IHPHA300700*	36541.00
	400 A	220 kW	300 HP	500 A	3	2	2	HGS 400	IHPHA400700*	42648.00
	500 A	280 kW	380 HP	550 A	3	2	2	HGS 500	IHPHA500700*	63555.00
8	630 A	375 kW	500 HP	750 A	3	2	2	HGS 630	IHPHA630800*	99153.00
	800 A	450 kW	610 HP	900 A	3	2	2	HGS 800	IHPHA800800*	168705.00



Coil Voltage Suffix Selection - HGS Series Contactors (9 A to 800 A)

Product	24 Vac	24 Vdc	48 Vdc	110 Vac	110 Vdc	220 Vdc	240 V	150 V-300 V	260-440 V	415 V
HGS Aux Contactor	B	C	F	H	K	P	N	S	W	T
HGS Four Pole Contactor	B	C	F	H	K	P	N	S	W	T
HGS Capacitor Duty Contactor	B	C	F	H	K	P	N	S*	W	T
HGS Power Contactor (9 A-100 A)	B	C	F	H	K	P	N	S*	W	T
HGS Power Contactor (115 A-265 A) Universal Coil (AC/DC)	B	B		N	N	N	N			T
HGS Power Contactor (300 A-500 A) Universal Coil (AC/DC)				N	N	N	N			T
HGS Power Contactor (630 A-800 A) Universal Coil (AC/DC)				H	H	N**	N**			T



Range of Universal Coils (AC/DC)	AC 24 V-26 V DC 24 V	AC 110 V-127 V DC 100 V -110 V	AC 100 V-240 V DC 100 V -220 V	AC 380 V - 450 V
		B	H	N**

* up to AC3-40 A and 33.3 kVA for AC6B application

** (200 V-240 V) AC, (200 V-220 V) DC for HGS Frame 8)

Accessories - HGS Series Contactors

HSN Code: 8536

Description	Configuraton	Suitable for	Type	Item Code	Per Unit LP
Aux Contact Block (Side Mounting)	1 NO+1NC	HGS 9-HGS 40	HGS SB	ISSPCU1969	504.00
		HGS50-HGS 100		ISSPCU1970	
		HGS115- HGS 800		ISSPCU1971	630.00
Aux Contact Block (Top Mounting)	2 NC	HGS9-HGS100	HGS TB	ISSPCU1961	297.00
	1 NO+1NC			ISSPCU1962	
	2 NO			ISSPCU1963	
	4NC			ISSPCU1964	550.00
	1 NO+3NC			ISSPCU1965	
	2NO +2 NC			ISSPCU1966	
	3NO+1NC			ISSPCU1967	
4NO	ISSPCU1968				
Mechanical Interlock Unit		HGS 9-HGS 40	HGS MIU	ISSPCU1972	722.00
		HGS50-HGS 100		ISSPCU1973	1696.00
		HGS115- HGS 265		ISSPCU1974	3001.00
		HGS 300- HGS 800		ISSPCU1975	3403.00
Mechanical Latching Block (Top Mounting)	220 V AC	HGS 9-HGS 100	HGS MLB	ISSPCU1976	1701
Electronic Timer (Top Mounting)		HGS 9-HGS 100	HGS ET	ISSPCU1977	2300
Surge Absorber		HGS 9-HGS 100	HGS SA	ISSPCU1984	722
Clamping Diode		HGS 9-HGS 100	HGS CD	ISSPCU1978	722



Contactor Selection Chart with DC Load

Connection	Application	Operation Voltage	HGS9	HGS12	HGS18	HGS25	HGS32	HGS40	HGS50	HGS65	HGS75	HGS85	HGS100	HGS115	HGS130	HGS150	HGS185	HGS225	HGS265	HGS300	HGS400	HGS500	HGS630	HGS800		
2 Poles in Series	DC1 Resistive Load (L/R≤1ms)	24 V	10	12	18	20	25	35	50	65	65	75	80	100	100	120	150	180	220	260	300	400	500	630	800	
		48 V	10	12	18	20	25	35	40	65	65	65	65	100	100	100	120	180	180	220	240	240	300	300	800	
		110 V	6	10	13	15	25	25	25	35	45	45	50	50	80	80	100	150	150	180	200	200	220	220	630	
	DC3,DC5 DC Motor Load (L/R≤15ms)	220 V	3	7	8	10	12	12	12	15	15	20	20	20	50	50	100	150	150	180	200	200	220	220	630	
		24 V	8	12	12	20	25	35	35	45	45	65	65	100	100	120	150	180	220	260	300	400	500	630	800	
		48 V	4	6	6	15	20	20	20	25	25	40	40	60	60	60	100	150	150	180	200	200	260	260	800	
	3 Poles in Series	DC1 Resistive Load (L/R≤1ms)	110 V	2.5	4	4	8	10	10	15	15	15	20	20	40	40	40	80	120	120	130	150	150	180	260	
			220 V	0.8	1.2	1.2	2	3	3	3	3.5	3.5	5	5	30	30	30	60	80	80	80	90	90	130	210	
			24 V	8	12	12	20	25	35	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		DC13 Coil Load (L/R≤40ms)	48 V	4	6	6	12	15	15	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			110 V	2	3	3	3	4	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			220 V	0.3	0.5	0.5	1.2	1.2	1.2	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DC3,DC5 DC Motor Load (L/R≤15ms)		24 V	10	12	18	20	25	35	35	50	65	65	75	80	100	100	120	150	180	220	260	300	400	500	800	
		48 V	10	12	18	20	25	35	35	50	65	65	75	80	100	100	120	150	180	220	260	300	400	500		
		110 V	8	12	18	20	25	35	35	50	65	65	75	80	100	100	100	150	180	220	260	300	400	500		
DC13 Coil Load (L/R≤40 ms)		220 V	8	12	18	20	25	30	30	40	50	50	55	60	80	80	80	150	180	220	260	300	400	500		
		24 V	8	12	12	20	25	35	35	50	50	50	80	80	100	100	120	150	180	220	260	300	400	500		
		48 V	6	10	10	20	25	30	30	35	35	35	60	60	90	90	90	130	180	220	260	280	400	400		
DC13 Coil Load (L/R≤40 ms)	110 V	4	8	8	15	20	20	20	30	30	30	50	50	80	80	80	120	150	180	200	200	260	260			
	220 V	2	4	4	8	10	10	10	12	12	12	20	20	50	50	50	80	100	100	130	150	180	310			
	24 V	8	12	12	20	25	35	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

Controlgear

Spares

Control Coils - HGS and HGSD Contactors

Description	Voltage	Suitable for	Type	Item Code	Per Unit LP
Control Coil -HGS	24 V	HGS 9-HGS 18	AC	ISSPCU1985	437.00
	110 V			ISSPCU1987	
	240 V			ISSPCU1989	
	415 V			ISSPCU2050	
	150 V-300 V			ISSPCU2215	
	260 V-440 V			ISSPCU2134	
	24 V	HGS 25-HGS 40	AC	ISSPCU1993	437.00
	110 V			ISSPCU1995	
	240 V			ISSPCU1997	
	415 V			ISSPCU2053	
	150 V-300 V			ISSPCU2216	
	260 V-440 V			ISSPCU2135	
	24 V	HGS 50-HGS 65	AC	ISSPCU2001	1428.00
	110 V			ISSPCU2003	
	240 V			ISSPCU2005	
	415 V			ISSPCU2007	
	260 V-440 V			ISSPCU2136	
	24 V			HGS 75-HGS 100	
	110 V	ISSPCU2011			
	240 V	ISSPCU2013			
	415 V	ISSPCU2015			
	260 V-440 V	ISSPCU2137			
	24 Vac-26 Vac, 24 Vdc	HGS 115-HGS 150	AC/DC Universal		On Request
	100 Vac-240 Vac				
	100 Vac -220 Vdc				
	380 Vac-450 Vac				
	24 Vac-26 Vac, 24 Vdc	HGS 185-HGS 265	AC/DC Universal	ISSPCU1980	On Request
	100 Vac-240 Vac				6302.00
100 Vdc -220 Vdc	On Request				
380 Vac-450 Vac	On Request				
100 Vac-240 Vac	HGS 300-HGS 500	AC/DC Universal	ISSPCU1981	8194.00	
100 Vdc -220 Vdc				On Request	
380 Vac-450 Vac				On Request	
110 Vac-127 Vac				On Request	
100 Vdc -110 Vdc	HGS 630-HGS 800	AC/DC Universal	ISSPCU1982	On Request	
200 Vac-240 Vac				16802.00	
200 Vdc -220 Vdc				On Request	
380 Vac-450 Vac				On Request	
Control Coil -HGSD	24 V	HGS 9-HGS 100	DC	On Request	On Request
	48 V				
	110 V				
	220 V				



Thermal Over Load Relay (Auto/ Manual Reset)

Features:

- Range : 0.12 A – 800 A available in 8 Frames
- Conforms to IS/IEC 60947-4-1
- Protection against overload & phase loss protection
- Auto / manual reset facility
- Contactor mounting / Individual mounting with adaptor

HSN Code: 8536

Relay Frame size	Relay Range (A)	Suitable for Contactor Frame size	Type	Item Code	Per Unit LP (₹)
1	0.12 A - 0.18 A	HGS9 HGS12 HGS18	HGST18	IHHR13CA	1288.00
	0.18 A - 0.26 A			IHHR13CB	
	0.25 A - 0.35 A			IHHR13CC	
	0.34 A - 0.5 A			IHHR13CD	
	0.5 A - 0.7 A			IHHR13CE	
	0.6 A - 0.9 A			IHHR13CF	
	0.8 A - 1.2 A			IHHR13CG	
	1.1 A - 1.6 A			IHHR13CH	
	1.5 A - 2.1 A			IHHR13CJ	
	2 A - 3 A			IHHR13CZ	
	2.8 A - 4.2 A			IHHR13CK	
	3 A - 5 A			IHHR13CL	
	4 A - 6 A			IHHR13CM	
	5.6 A - 8 A			IHHR13CN	
	6 A - 9 A			IHHR13CP	
	8 A - 12 A			IHHR13CR	
	12 A - 18 A			IHHR13CT	1438.00



Thermal Over Load Relay - HGST Series

Relay Frame size	Relay Range (A)	Suitable for Contactor Frame size	Type	Item Code	Per Unit LP (₹)		
2	7 A - 10.0 A	HGS25 HGS32 HGS40	HGST40	IHHR23CQ	1438.00		
	8 A - 12.0 A			IHHR23CR			
	12 A - 18 A			IHHR23CT			
	15 A - 22 A					IHHR23CU	1610.00
	17 A - 25 A					IHHR23CV	
	22 A - 32 A					IHHR23CW	
	28 A - 40 A					IHHR23CX	
3	7 A - 10.0 A	HGS50 HGS65	HGST65	IHHR33CQ	2312.00		
	8 A - 12.0 A			IHHR33CR			
	12 A - 18 A			IHHR33CT			
	15 A - 22 A			IHHR33CU			
	17 A - 25 A			IHHR33CV			
	22 A - 32 A					IHHR33CW	2628.00
	28 A - 40 A					IHHR33CX	
	34 A - 50 A					IHHR33CY	
	45 A - 65 A					IHHR33C1	
4	17 A - 25 A	HGS75 HGS85 HGS100	HGST100	IHHR43CV	3220.00		
	22 A - 32 A			IHHR43CW			
	28 A - 40 A			IHHR43CX			
	34 A - 50 A			IHHR43CY			
	45 A - 65 A					IHHR43C1	3703.00
	52 A - 75 A					IHHR43C2	
	59 A - 85 A					IHHR43C3	
	70 A - 100 A					IHHR43C4	
5	48 A - 80 A	HGS115 HGS130 HGS150	HGST150	IHHR53C5	5911.00		
	69 A - 115 A			IHHR53C6			
	78 A - 130 A			IHHR53C7			
	90 A - 150 A			IHHR53C8			
6	48 A - 80 A	HGS185 HGS225 HGS265	HGST265	IHHR63C5	6641.00		
	69 A - 115 A			IHHR63C6			
	78 A - 130 A			IHHR63C7			
	90 A - 150 A					IHHR63C8	7326.00
	111 A - 185 A					IHHR63C9	
	135 A - 225 A					IHHR63C11	
	159 A - 265 A					IHHR63C12	
7	90 A - 150 A	HGS300 HGS400 HGS500	HGST500	IHHR73C8	8069.00		
	111 A - 185 A			IHHR73C9			
	135 A - 225 A			IHHR73C11			
	159 A - 265 A					IHHR73C12	8839.00
	180 A - 300 A					IHHR73C13	
	240 A - 400 A					IHHR73C14	
	300 A - 500 A					IHHR73C15	
8	378 A - 630 A	HGS630 HGS800	HGST800	IHHR83C16	22099.00		
	480 A - 800 A			IHHR83C17			



Accessories: HGST Thermal Overload Relay

Mounting Block - HGST Series

Description	Suitable for Mounting on Contactors	Item Code	Per Unit LP (₹)
Mounting Block Fr 1	HGST18	Available on Request	POR
Mounting Block Fr 2	HGST40		
Mounting Block Fr 3	HGST65		
Mounting Block Fr 4	HGST100		

Features:

- Range : 0.75 HP to 15 HP
- Conforms to IS/IEC 60947-4-1
- Provided with Protection Degree IP 54
- Extended wide band coil
- FRLS (Fire retardant low smoke) Internal wiring
- Starter Type - Air Break

Direct Online Starter - HGS Series

HSN Code: 8536

HP	kW	Contactors Rating	Overload Relay Range (A)	Item Code	Per Unit LP (₹)
0.75 HP	0.6 kW	12	1 A - 1.6 A	IHHDOLFA*E	2265.00
1 HP	0.7 kW	12	1.6 A - 2.5 A	IHHDOLGA*E	2610.00
2 HP	1.5 kW	12	2.5 A - 4 A	IHHDOLHA*E	
3 HP	2.2 kW	12	4.0 A - 6.0 A	IHHDOLJA*E	
5 HP	3.7 kW	12	7 A - 10 A	IHHDOLLA*E	
7.5 HP	5.6 kW	18	10 A - 13 A	IHHDOLMA*E	
10 HP	7.5 kW	18	13 A - 18 A	IHHDOLNA*E	2998.00
15 HP	11.2 kW	32	18 A - 25 A	IHHDOLPB*E	5061.00
20 HP	14.9 kW	32	22 A - 32 A	IHHDOLWB*	8143.00
25 HP	18.7 kW	40	28 A - 40 A	IHHDOLXB*	13478.00
30 HP	22.4 kW	50	34 A - 50 A	IHHDOLYC*	13608.00
40 HP	29.8 kW	65	45 A - 65 A	IHHDOL1C*	15795.00
50 HP	37.3 kW	85	59 A - 85 A	IHHDOL3D*	18317.00



AC Coil

Code*	T	W
AC Voltage	415 V	260 V - 440 V

Motor Starter

Features:

- Range : 10 HP to 150 HP
- Conforms to IS/IEC 60947-4-1
- Provided with Protection Degree IP 54
- Extended wide band coil
- FRLS (Fire retardant low smoke) Internal wiring
- Starter Type - Air Break

Fully Automatic Star-Delta Starter (ASD) - HGS Series

HSN Code: 8536

HP	kW	Contactors Size	Overload Relay Range (A)	Item Code	Per Unit LP (₹)
10 HP	7.5 kW	18	8.0 A - 12 A	IHHASDRA*	9471.00
12.5 HP	9.3 kW	18	8.0 A - 12 A	IHHASDTA*	9600.00
15 HP	11 kW	25	12 A - 18.0 A	IHHASDTB*	9643.00
20 HP	15 kW	25	15 A - 22 A	IHHASDUB*	9677.00
25 HP	19 kW	32	17 A - 25 A	IHHASDVB*	11996.00
30 HP	22.5 kW	32	22 A - 32 A	IHHASDWB*	13327.00
35 HP	26 kW	32	28 A - 40 A	IHHASDXB*	19783.00
50 HP	37 kW	50	34 A - 50 A	IHHASDYC*	33779.00
60 HP	45 kW	50	45 A - 65 A	IHHASD1C*A	49570.00
75 HP	55 kW	65	45 A - 65 A	IHHASD1C*B	54527.00
90 HP	67.5 kW	85	59 A - 85 A	IHHASD3D*	63820.00
100 HP	75 kW	100	70 A - 100 A	IHHASD4D*	66960.00
125 HP	90 kW	115	78 A - 130 A	IHHASD7E*	92244.00
150 HP	110 kW	150	90 A - 150 A	IHHASD8E*	93570.00



AC Coil

Code*	T	W
AC Voltage	415 V	260 V - 440 V

- Starters are supplied with standard coil voltage 415 Vac
- For other voltages please specify coil code from the below table. (*suffix code)

Motor Starter

Features:

- Range : 2 HP to 20 HP
- Conforms to IS/IEC 60947-4-1
- Provided with Protection Degree IP 54
- Extended wide band coil
- FRLS (Fire retardant low smoke) Internal wiring
- Starter Type - Air Break

Reversing Starter - HGS Starter

HSN Code: 8536

HP	kW	Contactor Size	Overload Relay Range (A)	Item Code	Per Unit LP (₹)
2 HP	1.5 kW	18	2.8 A - 4.2 A	IHHREVKA*	9009.00
3 HP	2.2 kW	18	4.0 A - 6.0 A	IHHREVMA*	
5 HP	3.7 kW	18	6.0 A - 9.0 A	IHHREVPA*	
7.5 HP	5.6 kW	18	8.0 A - 12 A	IHHREVRA*	
10 HP	7.5 kW	18	12 A - 18.0 A	IHHREVTA*	
15 HP	11.2 kW	32	17 A - 25 A	IHHREVB*	12177.00
20 HP	14.9 kW	32	28 A - 40 A	IHHREVB*	18266.00



AC Coil

Code*	T	W
AC Voltage	415 V	260 V - 440 V

Automatic Star Delta Submersible Starter (Standard) - HGS Series

Features:

- Range : 30 HP to 50 HP
- Conforms to IS/IEC 60947-4-1
- Provided with Protection Degree IP 54
- Extended wide band coil
- FRLS (Fire retardant low smoke) Internal wiring
- In-built metering

HSN Code: 8536

HP	kW	Full load Line Current	Full Load phase current	Contactor Size	Overload Relay Range (A)	Item Code	Per Unit LP (₹)
30 HP	22.4 kW	43.5	25.12	50	28 A - 40 A	IHHSSDXC*	27578.00
35 HP	26.1 kW	50.75	29.30	50	34 A - 50 A	IHHSSDYC*A	29222.00
40 HP	29.8 kW	58	33.49	65	34 A - 50 A	IHHSSDYC*B	32141.00
45 HP	33.6 kW	65.25	37.67	75	45 A - 65 A	IHHSSD1D*	40178.00
50 HP	37.5 kW	72.5	41.86	85	52 A - 75 A	IHHSSD2D*	43827.00



Automatic Star Delta Submersible Starter DLX (with short-circuit Protection) - HGS Series

Features:

- Range : 30 HP to 50 HP
- Conforms to IS/IEC 60947-4-1
- Provided with Protection Degree IP 54
- Extended wide band coil
- FRLS (Fire retardant low smoke) Internal wiring
- In-built metering & MCB

HSN Code: 8536

HP	kW	Full load Line Current	Full Load phase current	Contactor Size	Overload Relay Range (A)	TP MCB Rating (A)	Item Code	Per Unit LP (₹)
30 HP	22.4 kW	43.5	25.12	50	28 A - 40 A	100 A	IHHSDXC*	28371.00
35 HP	26.1 kW	50.75	29.30	50	34 A - 50 A	100 A	IHHSDYC*A	30046.00
40 HP	29.8 kW	58	33.49	65	34 A - 50 A	100 A	IHHSDYC*B	33020.00
45 HP	33.6 kW	65.25	37.67	75	45 A - 65 A	125 A	IHHSD1D*	41211.00
50 HP	37.5 kW	72.5	41.86	85	52 A - 75 A	125 A	IHHSD2D*	44929.00



AC Coil

Code*	T	W
AC Voltage	415 V	260 V - 440 V

Spares Motor Starter - HGS Series

HSN Code: 8538

Type	Item Code	Per Unit LP (₹)
Start Push Button - Green	ICELL00002	128.00
Stop Push Button - Red	ICELL00003	128.00
Motor ON Indicating Light-Green	ICELKL00015	209.00
Motor Trip Indicating Light-Yellow	ICELKL00013	209.00
SPP	ISCELXL00063	2204.00
Combined Voltmeter & Ammeter	ISCEMLX0007	861.00
Terminal Block 6 way	ICELPSMX001	321.00
Terminal Block 3 way	ICELPSMX002	193.00
VOLT.SEL SW. C/G	ICELQL00021	300.00
Timer	ICELRPSL005	1899.00
Mini Rocker Switch - SPP By Pass	ISCELEL00218	32.00



Start Push Button



Stop Push Button



Motor ON Indicating



Motor Trip Indicating



SPP



AV Meter



TB 6 Way



TB 3 Way



Volt Sel Switch



Timer



Mini Rocker Switch

Street Light Panel

Features:

- Range : 6 kW to 12 kW
- Conforms to IS/IEC 60947-4-1
- Provided with Protection Degree IP 54
- Extended wide band coil
- FRLS (Fire retardant low smoke) Internal wiring
- In-built Short-Circuit Protection

HSN Code: 8537

HGS Smarty Series

Phase	Frame Size	Max. Load (kW)	Timer	Contactor Rating (A)	MCB Rating	SAP Code	Per Unit LP (₹)
3	1	6 kW	Digital 24 hour	32 / TP	40 / TPN	IHXTS03060	22490.00
	1	6 kW	Astronomical	32 / TP	40 / TPN	IHXTS0306A	22490.00
	2	12 kW	Digital 24 hour	65 / TP	63 / TPN	IHXTS09120	34703.00
	2	12 kW	Astronomical	65 / TP	63 / TPN	IHXTS0912A	34703.00
1	1	6 kW	Digital 24 hour	32 / TP	40 / SPN	IHXSS01060	16863.00
	1	6 kW	Astronomical	32 / TP	40 / SPN	IHXSS0106A	16863.00
	1	12 kW	Digital 24 hour	65 / TP	63 / SPN	IHXSS03120	25339.00
	1	12 kW	Astronomical	65 / TP	63 / SPN	IHXSS0312A	25339.00



Motor Starter

Features:

- Range : 0.75 HP to 20 HP
- Conforms to IS/IEC 60947-4-1
- Provided with Protection Degree IP 54
- Extended wide band coil
- FRLS (Fire retardant low smoke) Internal wiring
- Starter Type - Air Break

Direct Online Starter - Urja Series (Ideal for Agri Pump Application)

HSN Code: 8536

HP	kW	Contactor	O/L Relay	Motor Starter	
		(A)	(A)	Cat. No.	List Price in ₹ Per Unit
0.75 HP	0.56 kW	20 A	1.07 A - 1.7 A	IHADOAE1*	2298.00
1 HP	0.75 kW	20 A	1.58 A - 2.5 A	IHADOAF1*	
2 HP	1.50 kW	20 A	2.4 A - 3.8 A	IHADOAG1*	
3 HP	2.24 kW	20 A	3.8 A - 6.0 A	IHADOAH1*	
5 HP	3.73 kW	20 A	6.0 A - 9.3 A	IHADOAJ1*	
7.5 HP	5.60 kW	20 A	8.9 A - 13.5 A	IHADOAK1*	2321.00
		20 A	13.2 A - 20 A	IHADOAK1*A	
		20 A	17.4 A - 24 A	IHADOAK1*B	
		25 A	22 A - 30 A	IHADOAK1*C	
10 HP	7.50 kW	25 A	13.2 A - 20 A	IHADOAL1*	2545.00
15 HP	11 kW	32 A	17.4 A - 24 A	IHADOAM1*	2996.00

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

AC Coil

Code*	L	K
AC Voltage	200 V - 400 V	260 V - 440 V

Direct Online Starter Submersible Pump Controller (Standard)

3 Phase - Urja Series

HSN Code: 8536

HP	kW	Max. Operational Current (A)	Contactor AC3 (A)	OLR (A)	Cat No.	List Price in ₹ Per Unit
1 HP	0.75 kW	1.90 A	20 A	1.58 A - 2.5 A	IHSDOAF1*A	6770.00
2 HP	1.50 kW	3.81 A	20 A	3.8 A - 6.0 A	IHSDOAH1*A	
3 HP	2.24 kW	5.71 A	20 A	3.8 A - 6.0 A	IHSDOAH1*B	7161.00
5 HP	3.73 kW	9.52 A	20 A	8.9 A - 13.5 A	IHSDOAK1*A	6966.00
7.5 HP	5.60 kW	14.27 A	20 A	13.2 A - 20 A	IHSDOAL1*A	7646.00
10 HP	7.50 kW	19.03 A	25 A	13.2 A - 20 A	IHSDOAL1*B	7709.00
12.5 HP	9.30 kW	23.79 A	32 A	17.4 A - 24 A	IHSDOAM1*A	7948.00
15 HP	11.19 kW	28.55 A	32 A	22 A - 30 A	IHSDOAN1*A	8825.00

AC Coil

Code*	L	K
AC Voltage	200 V - 400 V	260 V - 440 V

Automatic Star Delta Submersible Pump Controller (Standard)

3 Phase - Urja Series

HSN Code: 8536

HP	Max Operating Current 135% (A)	Phase Current (A)	OLR (A)	Contactor AC3 (A)	Cat. No.	List Price in ₹ Per Unit
5 HP	10.13 kW	5.85 A	3.8 A - 6.0 A	20 A	IHSASAH1*A	12641.00
7.5 HP	15.19 kW	8.77 A	6 A - 9.3 A	20 A	IHSASAJ1*A	
10 HP	20.25 kW	11.69 A	8.9 A - 13.5 A	20 A	IHSASAK1*A	13739.00
12.5 HP	25.31 kW	14.61 A	13.2 A - 20 A	20 A	IHSASAL1*A	
15 HP	30.38 kW	17.54 A	13.2 A - 20 A	20 A	IHSASAL1*B	14038.00
17.5 HP	35.44 kW	20.46 A	17.4 A - 24 A	25 A	IHSASAM1*A	
20 HP	40.50 kW	23.38 A	22 A - 30 A	32 A	IHSASAN1*A	16087.00

AC Coil

Code*	L	K
AC Voltage	200 V - 400 V	260 V - 440 V



Controlgear Motor Starter

NEW

Features:

- Range : 0.37 kW to 2.2 kW (0.5 HP to 3 HP)
- Conforms to IS/IEC 60947-4-1
- Provided with Protection Degree IP 54
- Extended wide band coil
- FRLS (Fire retardant low smoke) Internal wiring
- Starter type Air break

Direct Online Starter Single Phase - Urja Series

HP	kW	FLC (A)	Contactor (A)	O/L Relay (A)	Cable Size mm ²		Max Backup Fuse Rating (A)	Item Code	Per Unit LP (₹)	
					AL	CU				
0.5 HP	0.37 kW	3.12 A	20 A	3.8 A - 6.0 A	1.5 mm ²	1 mm ²	20 A	IHUDOLG1F1	1557.00	
1 HP	0.75 kW	6.24 A	20 A	6 A - 9.3 A	1.5 mm ²	1 mm ²	25 A	IHUDOLH1F1		
1.5 HP	1.1 kW	9.15 A	20 A	8.9 A - 13.5 A	2.5 mm ²	1.5 mm ²	32 A	IHUDOLK1F1		
2 HP	1.5 kW	12.47 A	20 A	13.2 A - 20 A	4 mm ²	2.5 mm ²	50 A	IHUDOLK1FA		1600.00
3 HP	2.2 kW	18.71 A	25 A	17.4 A - 24 A	6 mm ²	4 mm ²	63 A	IHUDOLL1F1		1680.00



AC Coil

Code*	F
AC Voltage	140 V - 270 V

- Starters are supplied with standard coil voltage 415 Vac
- For other voltages please specify coil code from the below table. (*suffix code)

Submersible Pump Controller Single Phase - Urja Series

HSN Code: 8536

HP Rating	Overload Relay (A)	Contactor (A)	Start Capacitor μ F (MFD)	Run Capacitor μ F (MFD)	Cat No.	List Price in ₹ Per Unit
0.5 HP	3.8 A - 6.0 A	20 A	80-100	25	IHADOAH1F1	3883.00
0.5 HP	3.8 A - 6.0 A	20 A	80-100	36	IHADOAJ1FA	
1 HP	6 A - 9.3 A	20 A	100-120	36	IHADOAJ1FB	4055.00
1 HP	6 A - 9.3 A	20 A	100-120	50	IHADOAJ1FC	
1 HP	6 A - 9.3 A	20 A	120-150	50	IHADOAJ1FD	
1.5 HP	8.9 A - 13.5 A	20 A	120-150	50	IHADOAK1FA	4285.00
1.5 HP	8.9 A - 13.5 A	20 A	150-200	36+36	IHADOAK1FB	
2 HP	13.2 A - 20 A	20 A	150-200	36+36	IHADOAL1FA	4581.00
2 HP	13.2 A - 20 A	20 A	150-200	50+50	IHADOAL1FB	
2 HP	13.2 A - 20 A	20 A	200-250	50+36	IHADOAL1FC	
3 HP	17.4 A - 24 A	25 A	200-250	50+50	IHADOAM1FA	5434.00
3 HP	17.4 A - 24 A	25 A	200-250	50+36+36	IHADOAM1FB	



Spares Motor Starter - Urja Series

Contactor 4 Pole & 2 Pole (20 A to 40 A) - Urja Series

HSN Code: 8536

Frame Size	AC-3 Duty Rating at 415 V, 50 Hz le (A)	AC-1 Duty Rating at 415 V, 50 Hz le (A)	Power Poles	Type	Item Code	Item Description	Per Unit LP (₹)
1	20 A	25 A	4	UC1 20 F	IHPBC020100*	20A 4P Contactor	2033.00
	25 A	40 A	4	UC1 25 F	IHPBC025100*	25A 4P Contactor	2635.00
	32 A	45 A	4	UC1 32 F	IHPBC032100*	32A 4P Contactor	3210.00
	40 A	63 A	4	UC1 40 F	IHPBC040100*	40A 4P Contactor	4640.00
	20 A	32 A	2	UC1 20 D	IHPBF020100*	20A 2P Contactor	910.00
	25 A	40 A	2	UC1 25 D	IHPBF025100*	25A 2P Contactor	1321.00
	40 A	63 A	2	UC1 40 D	IHPBF040100*	40A 2P Contactor	1778.00

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

AC Coil

Code*	F	L	K
AC Voltage	140 V - 270 V	200 V - 400 V	260 V - 440 V



Thermal Overload Relay 3 Pole & 2 Pole - Urja Series

HSN Code: 8536

Relay Range (A)	Suitable for Contactor Frame Size	Poles	Type	Item Code	Item Description	Per Unit LP (₹)
1.07 A - 1.7 A	1	3	UR1 E	IHAR13CE	3P Thermal O/L Relay A/M	1258.00
1.58 A - 2.5 A		3	UR1 F	IHAR13CF	3P Thermal O/L Relay A/M	1258.00
2.4 A - 3.8 A		3	UR1 G	IHAR13CG	3P Thermal O/L Relay A/M	1258.00
3.8 A - 6.0 A		3	UR1 H	IHAR13CH	3P Thermal O/L Relay A/M	1258.00
6 A - 9.3 A		3	UR1 J	IHAR13CJ	3P Thermal O/L Relay A/M	1258.00
8.9 A - 13.5 A		3	UR1 K	IHAR13CK	3P Thermal O/L Relay A/M	1258.00
13.2 A - 20 A		3	UR1 L	IHAR13CL	3P Thermal O/L Relay A/M	1258.00
17.4 A - 24 A		3	UR1 M	IHAR13CM	3P Thermal O/L Relay A/M	1258.00
22 A - 30 A		3	UR1 N	IHAR13CN	3P Thermal O/L Relay A/M	1258.00
3.8 A - 6 A	1	2	UR1 H	IHAR12CH	2P Thermal O/L Relay A/M	650.00
6 A - 9.3 A		2	UR1 J	IHAR12CJ	2P Thermal O/L Relay A/M	650.00
8.9 A - 13.5 A		2	UR1 K	IHAR12CK	2P Thermal O/L Relay A/M	650.00
13.2 A - 20 A		2	UR1 L	IHAR12CL	2P Thermal O/L Relay A/M	710.00
17.4 A - 24 A		2	UR1 M	IHAR12CM	2P Thermal O/L Relay A/M	710.00
22 A - 30 A		2	UR1 N	IHAR12CN	2P Thermal O/L Relay A/M	1020.00



Spares Motor Starter - Urja Series

Spare Urja Contactor 2P / 4P

HSN Code: 8538

Type	Rating	Item Code	Per Unit LP (₹)
Housing 2P		CPSMPCX016	209.00
Housing 4P		ISCPMPCX014	337.00
Carrier Assembly 2P		ISSPEX0447	59.00
Carrier Assembly 4P		ISSPEX0446	86.00
2P Contactor Coil	140 V - 270 V	ISSPEP0008	449.00
4P Contactor Coil	200 V - 400 V	ISSPEP0007	449.00
	415 V (260 V - 440 V)	ISSPEP0009	514.00
	240 V (140 V - 270 V)	ISSPEP0011	514.00
Single Fixed Contact 2P / 4P	20 A	ISSPEX0428	70.00
	25 A	ISSPEX0429	96.00
	32 A	ISSPEX0430	102.00
	40 A	ISSPEX0439	123.00
Single Moving Contact 2P / 4P	20 A	ISSPEX0431	107.00
	25 A	ISSPEX0432	150.00
	32 A	ISSPEX0433	171.00
	40 A	ISSPEX0440	209.00
Contact Kit 2P Contactor	20 A	ISSPEX0441	482.00
	25 A	ISSPEX0442	679.00
	40 A	ISSPEX0444	893.00
Contact Kit 4P Contactor	20 A	ISSPEX0434	877.00
	25 A	ISSPEX0435	1364.00
	32 A	ISSPEX0436	1466.00
	40 A	ISSPEX0445	1461.00



DOL Starter - Spares Urja Series

HSN Code: 8538

Type	Item Code	Per Unit LP (₹)
NO Switch URJA	ISSPEX0437	102.00
ON / OFF Push Button Assembly URJA	ISSPEX0438	102.00



NO Switch



ON / OFF PB

Single Phase Sub. Starter - Spares Urja Series

HSN Code: 8538

Type	Item Code	Per Unit LP (₹)
PB Red for SPSS with 1NC Element	ISCELXLX0001	150.00
5+16 Element (1.5-2 HP) 1.12 kW - 1.50 kW	ISCELXLX0002	284.00
	ISCELXLX0003	326.00
5+25 Element (3-5 HP) 2.24 kW - 3.73 kW	ISCELXLX0003	326.00
Neon Light Indicator Red	ISCELKLX0006	59.00
Front Add-on Aux.Cont.Blck	2NO ISSPEX0427	321.00
Combined AV Meter	30 A - 300 V ISCELMLX0006	856.00
	25 A - 500 V ISCELMLX0007	861.00
	50 A - 500 V ISCELMLX0008	947.00
Terminal Block	2 Way SPSS ISCPTMPSX032	32.00
	5 Way ISCELXPX0003	118.00



PB Red



PB Green



Neon Light



Front Add-on



AV Meter



TB 2Way



TB 5Way

DOL & ASD Sub. Starter - Spares Urja Series HSN Code: 8538

Type	Item Code	Per Unit LP (₹)
Start Push Button - Green	ICELL00002	128.00
Stop Push Button - Red	ICELL00003	128.00
Motor ON Indicating Light-Green	ICELKL00015	209.00
Motor Trip Indicating Light-Yellow	ICELKL00013	209.00
SPP	ISCELXL00063	2204.00
Combined Voltmeter & Ammeter	ISCELMLX0007	861.00
Terminal Block 6 way	ICELPSMX001	321.00
Terminal Block 3 way	ICELPSMX002	193.00
VOLT.SEL SW. C/G	ICELQL00021	300.00
Timer	ICELRPSL005	1899.00
Front Block 1NO 1NC	ISPNAFM711	337.00
Mini Rocker Switch - SPP By Pass	ISCELEL00218	32.00



Start Push Button



Stop Push Button



Motor ON Indicating



Motor Trip Indicating



SPP



AV Meter



TB 6 Way



TB 3 Way



Volt Sel Switch



Timer



Front Block



Mini Rocker Switch



Industrial Switchgear



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	LVT & SHUNT TRIP	CURRENT TRANSFORMER
A	T	E S H V	1 > MF 2 > MH 3 > MA 4 > EF 5 > EH 6 > EA	E > IPR+ 0 > W/O Release 1 > IPR1+ 2 > IPR2+ 3 > IPR3+ 4 > IPR4+ 5 > IPR5+	06 : 630 A 08 : 800 A 10 : 1000 A 12 : 1250 A 16 : 1600 A 20 : 2000 A 25 : 2500 A	\$ Please refer to Table No.1 at Page No.10	** Please refer to Table No. 2 at Page No.10	# Please refer to Table No. 3 at Page No.10
	F							

T > Three F > Four	E > 50 kA S > 65 kA H > 75 kA V > 100 kA	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

Industrial Switchgear
Air Circuit Breaker **Titania**
(Conforms to IS/IEC:60947-2)



ACB with Microprocessor Release IPR 1 + (3 Pole)

Current Rating	Rated Ultimate Short-circuit Breaking Capacity Ics = 100 % Icu at	Item Code		Per Unit LP (₹)		Item Code	
		MANUAL				ELECTRICAL	
(A)	415 V (kA)	Fixed	Drawout	MF	MDO	Fixed	Drawout
630 A	50 kA	IHATE11060**#	IHATE21060**#	89235.00	136595.00	IHATE4106\$**#	IHATE5106\$**#
800 A	50 kA	IHATE11080**#	IHATE21080**#	89235.00	136595.00	IHATE4108\$**#	IHATE5108\$**#
1000 A	50 kA	IHATE11100**#	IHATE21100**#	93025.00	143360.00	IHATE4110\$**#	IHATE5110\$**#
1250 A	50 kA	IHATE11120**#	IHATE21120**#	112210.00	159685.00	IHATE4112\$**#	IHATE5112\$**#
1600 A	50 kA	IHATE11160**#	IHATE21160**#	123300.00	179935.00	IHATE4116\$**#	IHATE5116\$**#
2000 A	50 kA	IHATE11200**#	IHATE21200**#	152910.00	223245.00	IHATE4120\$**#	IHATE5120\$**#

ACB with Microprocessor Release IPR 1 + (3 Pole)

Current Rating	Rated Ultimate Short-circuit Breaking Capacity Ics = 100 % Icu at	Item Code		Per Unit LP (₹)		Item Code	
		MANUAL				ELECTRICAL	
630 A	65 kA	IHATS11060**#	IHATS21060**#	128625.00	203230.00	IHATS4106\$**#	IHATS5106\$**#
800 A	65 kA	IHATS11080**#	IHATS21080**#	128625.00	203230.00	IHATS4108\$**#	IHATS5108\$**#
1000 A	65 kA	IHATS11100**#	IHATS21100**#	138130.00	219625.00	IHATS4110\$**#	IHATS5110\$**#
1250 A	65 kA	IHATS11120**#	IHATS21120**#	167170.00	242395.00	IHATS4112\$**#	IHATS5112\$**#
1600 A	65 kA	IHATS11160**#	IHATS21160**#	176920.00	263610.00	IHATS4116\$**#	IHATS5116\$**#
2000 A	65 kA	IHATS11200**#	IHATS21200**#	180210.00	268510.00	IHATS4120\$**#	IHATS5120\$**#
2500 A	75 kA	IHATH11250**#	IHATH21250**#	220415.00	328420.00	IHATH4125\$**#	IHATH5125\$**#

ACB with Microprocessor Release IPR 1 + (4 Pole)

Current Rating	Rated Ultimate Short-circuit Breaking Capacity Ics = 100 % Icu at	Item Code		Per Unit LP (₹)		Item Code	
		MANUAL				ELECTRICAL	
(A)	415 V (kA)	Fixed	Drawout	MF	MDO	Fixed	Drawout
630 A	50 kA	IHAPE11060**#	IHAPE21060**#	111555.00	171450.00	IHAPE4106\$**#	IHAPE5106\$**#
800 A	50 kA	IHAPE11080**#	IHAPE21080**#	111555.00	171450.00	IHAPE4108\$**#	IHAPE5108\$**#
1000 A	50 kA	IHAPE11100**#	IHAPE21100**#	116270.00	177940.00	IHAPE4110\$**#	IHAPE5110\$**#
1250 A	50 kA	IHAPE11120**#	IHAPE21120**#	140275.00	197035.00	IHAPE4112\$**#	IHAPE5112\$**#
1600 A	50 kA	IHAPE11160**#	IHAPE21160**#	154145.00	219475.00	IHAPE4116\$**#	IHAPE5116\$**#
2000 A	50 kA	IHAPE11200**#	IHAPE21200**#	189955.00	271640.00	IHAPE4120\$**#	IHAPE5120\$**#

ACB with Microprocessor Release IPR 1 + (4 Pole)

Current Rating	Rated Ultimate Short-circuit Breaking Capacity Ics = 100 % Icu at	Item Code		Per Unit LP (₹)		Item Code	
		MANUAL				ELECTRICAL	
630 A	65 kA	IHAFS11060**#	IHAFS21060**#	166335.00	254495.00	IHAFS4106\$**#	IHAFS5106\$**#
800 A	65 kA	IHAFS11080**#	IHAFS21080**#	176605.00	270205.00	IHAFS4108\$**#	IHAFS5108\$**#
1000 A	65 kA	IHAFS11100**#	IHAFS21100**#	192530.00	294570.00	IHAFS4110\$**#	IHAFS5110\$**#
1250 A	65 kA	IHAFS11120**#	IHAFS21120**#	215645.00	329940.00	IHAFS4112\$**#	IHAFS5112\$**#
1600 A	65 kA	IHAFS11160**#	IHAFS21160**#	252455.00	386255.00	IHAFS4116\$**#	IHAFS5116\$**#
2000 A	65 kA	IHAFS11200**#	IHAFS21200**#	264575.00	394220.00	IHAFS4120\$**#	IHAFS5120\$**#
2500 A	75 kA	IHAFH11250**#	IHAFH21250**#	270570.00	403155.00	IHAFH4125\$**#	IHAFH5125\$**#

\$ Please refer table 1 to replace \$ at page-25

** Please refer table 2 to replace ** at page-25

Please refer table 3 to replace # at page-25

*** 3200 A to 6300 A, 4 Pole ACB is also available with 100% Neutral Pole (Price available on request)

Note : Prices on request

ACB Range 630 A to 2500 A (IPR 3+, IPR 4+ & IPR 5+)

3200 A to 6300 A (Please refer page No 23)

Industrial Switchgear
Titania Air Circuit Breaker
 (Conforms to IS/IEC:60947-2)

Rating*	Pole	MANUAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout
3200 A	3 Pole / 4 Pole	Price on Request			
4000 A					
5000 A					
6300 A					

List prices Charges for product different version wrt IPR1+ ACB List Price		Per Unit LP (₹)
Bus Coupler w/o Protection	Reduce	16600.00
Micro processor release IPR1+ (LI)	Reduce	7200.00
Micro processor release IPR2+ (LSIG+ LCD Display+Thermal Memory+ Zone selectivity+ Current & Voltage Mesurment)	Add	8500.00
Micro processor release IPR3+ (LSIG+ LCD Display+Thermal Memory+ Zone selectivity+ Current & Voltage Mesurment+ Advance protection)	Add	21240.00
Micro processor release IPR4+ (LSIG+ LCD Display+Thermal Memory+ Zone selectivity+ Current & Voltage Mesurment+ Advance protection+ Power factor)	Add	23545.00
Micro processor release IPR5+(LSIG+ LCD Display+Thermal Memory+ Zone selectivity+ Current & Voltage Mesurment+ Advance protection+ Power factor+ Communication)	Add	25170.00
To Convert Electrical version from Manual version	Add	33500.00



IPR

1. Microprocessor Based OCR (IPR) HSN Code: 8538

S.No.	SAP Code	Description	Per Unit LP (₹)
1	SACX0346	Communication software for IRP-5+	POR

2. Spring Charging Motor HSN Code: 8538

S.No.	SAP Code	Description	Per Unit LP (₹)
1	ISACX0358	Charging Motor 110 V	28100.00
2	ISACX0147	Charging Motor 230 V	28100.00



Charging Motor:

3. Main CTs *1 HSN Code: 8504

S.No.	SAP Code	Description	Per Unit LP (₹)
1	ICELFACL018	CT 400 A	2400.00
2	ICELFACL001	CT 630 A	2400.00
3	ICELFACL002	CT 800 A	2400.00
4	ICELFACL003	CT 1000A	2530.00
5	ICELFACL004	CT 1250 A	2530.00
6	ICELFACL005	CT 1600 A	2530.00
7	ICELFACL006	CT 2000 A	3400.00
8	ICELFACL007	CT 2500A	3400.00

\$ Please refer table 1 to replace \$ at page-25

** Please refer table 2 to replace ** at page-25

Please refer table 3 to replace # at page-25

*** 3200 A to 6300 A, 4 Pole ACB is also available with 100% Neutral Pole (Price available on request)

Note : Prices on request

ACB Range 630 A to 2500 A (IPR 3+, IPR 4+ & IPR 5+)

3200 A to 6300 A (Please refer page No 23)

Industrial Switchgear Air Circuit Breaker **Titania** (Conforms to IS/IEC:60947-2)

4. Neutral CTs *2 HSN Code: 8504

S.No.	SAP Code	Description	Per Unit LP (₹)
1	ICELFACL019	NCT 400 A	2400.00
2	ICELFACL012	NCT 630 A	2400.00
3	ICELFACL013	NCT 800 A	2400.00
4	ICELFACL014	NCT 1000A	2530.00
5	ICELFACL015	NCT 1250 A	2530.00
6	ICELFACL016	NCT 1600 A	2530.00
7	ICELFACL017	NCT 2000 A	3400.00
8	ICELFACL021	NCT 2500A	3400.00



Safety Shutter for Main Circuit



Adaptor terminals for Cradle

5. Under Voltage Trip Device (UVT) HSN Code: 8538

S.No.	SAP Code	Description	Per Unit LP (₹)
1	ISACX0196	220 VAC/DC	3890.00
2	ISACX0197	415 VAC	3890.00



ON/OFF push button cover



Auxiliary Contacts

6. Shunt Trip / Closing Coil HSN Code: 8538

S.No.	SAP Code	Description	Per Unit LP (₹)
1	ISACX0170	24 VDC	2700.00
2	ISACX0168	110 VAC/DC	2700.00
3	ISACX0167	220 VAC/DC	2700.00
4	ISACX0212	415 VAC	2700.00



Key Lock/ Key Interlock



Close open cycle Counter

7. Key Lock / Key Interlock HSN Code: 8301

S.No.	SAP Code	Description	Per Unit LP (₹)
1	ISACX0301	On/Off Button cover	335.00
2	ISACX0353	Key lock (1 lock+1 key)	1350.00
3	ISACX0181	Key interlock (2 locks+1 keys)	12890.00
4	ISACX0210	Key interlock (3 locks+2 keys)	3980.00
5	ISACX0332	Castle Lock Unit (1 lock+1 key)	3190.00
6	ISSACX0437	Castle Lock Unit (2 lock+1 key)	5620.00
7	ISSACX0436	Castle Lock Unit (3 lock+2 key)	8950.00
8	ISACX0341	Drawout position Lock	1640.00



Safety shutter padlock feature



Position Indication Switch

8. Adaptor Type Terminals (additional price) HSN Code: 8538 (6 nos. reqd. for 3 pole & 8 nos. for 4 pole ACB)

S.No.	SAP Code	Description	Per Unit LP (₹)
1	ISSACX0174	630/800 A	3940.00
2	ISSACX0164	1000/1250 A	3940.00
3	ISSACP0434	1600 A	6700.00



Undervoltage release



Drawout position lock

9. Other Accessories HSN Code: 8538

S.No.	SAP Code	Description	Per Unit LP (₹)
1	ISACX0208	Door Interlock	2400.00
2	ISACX0303	Mal Insertation prevention device	520.00
3	ISACX0028	Close open cycle counter	2480.00
4	ISACX0340	Mechanical Interlock through wire	POR



Spring charge Indication Switch



Shunt Trip Coil / Closing Coil

10. Other Accessories HSN Code: 8536

S.No.	SAP Code	Description	Per Unit LP (₹)
5	ISACX0207	Spring charge indication switch	1200.00
6	ISACX0349	Trip indication Switch	750.00
7	ISACX0139	Aux. switch (5 c/o additional)	1925.00
8	ISACX0182	Position indication switch	2090.00
9	ISACX0302	Field test unit	2010.00



Door Interlock

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

Industrial Switchgear
Titania Air Circuit Breaker
 (Conforms to IS/IEC:60947-2)

Table 1

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

Table 3

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

Table 2

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

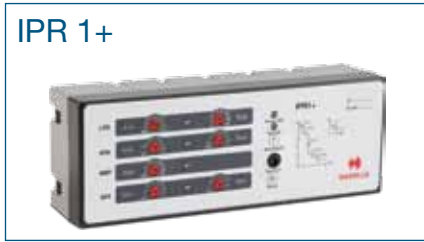


*ACBs are supplied with following accessories as standard fitment:

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.

Features Available in Different Models of Over Current Release (IPR)



S. No.	Features	IPR E+	IPR 1+	IPR 2+	IPR 3+	IPR 4+	IPR 5+
1	Basic Protection Function Settings:		●	●	●	●	●
	> LTD	Current Setting	●	●	●	●	●
		Time Setting	●	●	●	●	●
	> STD	Current Setting		●	●	●	●
		Time Setting		●	●	●	●
	> INST	Current Setting	●	●	●	●	●
Time Setting			●	●	●	●	
2	Pre-Trip Alarm	Current Setting		●	●	●	●
		Time Setting		●	●	●	●
3	Function Blocking	●	●	●	●	●	
4	Field Test Function	●	●	●	●	●	
5	IPR Fit Indicator			●	●	●	
6	Load Shedding Function			●	●	●	
7	Reset Function	●	●	●	●	●	
8	Thermal Memory			●	●	●	
9	LED Indications	●	●	●	●	●	
10	Fault History on Display			●	●	●	
11	Making Current Release			●	●	●	
12	Zone Selectivity			●	●	●	
13	Circuit Breaker Fail Protection			●	●	●	
14	Operation Counter			●	●	●	
15	Contact Erosion Indicator			●	●	●	
16	*Ready to Close (RTC)			●	●	●	
17	*Relay Contact Card			●	●	●	
18	I ² t ON/OFF			●	●	●	
19	LCD Display			●	●	●	
	Advanced Protection				●	●	●
20	> Under Voltage Release				●	●	●
21	> Over Voltage Release				●	●	●
22	> Under Frequency protection				●	●	●
23	> Over Frequency protection				●	●	●
24	> Voltage unbalance protection				●	●	●
25	> Phase sequence protection				●	●	●
	Measurement Module				●	●	●
26	> Current (Both in 3 phase & neutral)			●	●	●	●
27	> Voltage (both Line & Phase)			●	●	●	●
28	> Apparent Power (kVA)					●	●
29	> Real Power (kW)					●	●
30	> Reactive Power (kVAr)					●	●
31	> Power factor					●	●
32	> Ambient Temperature (degree Celsius)					●	●
33	#Communication Enabled (MODBUS)						●

*Provided on request. #Communication software provided on request.

Note: IPR+ releases do not require any external power supply for their basic protection functioning. For other functions and display to run, they require an external power supply of 12-24 Vdc.

Titania

Air Circuit Breaker

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		630 A <input type="text"/>	1000 A <input type="text"/>	1600 A <input type="text"/>	2500 A <input type="text"/>	4000 A <input type="text"/>	6300 A <input type="text"/>	Qty.
Series		E <input type="text"/>	S <input type="text"/>	H <input type="text"/>	V <input type="text"/>			
No. of Poles		2 <input type="text"/>	3 <input type="text"/>	4 <input type="text"/>	4 <input type="text"/>			
				(100% Neutral)		(50% Neutral for V-Series only)		
Mounting		Fixed <input type="text"/>	Drawout <input type="text"/>	Standard (for E&S series) <input type="text"/>		Vertical terminals (for H&V series) <input type="text"/>		
		Note: For E & S series - Adapter terminals are on demand						
Spring Charging Operation		Manual <input type="text"/>	Electrical <input type="text"/>	Closing Coil _____ VAC / DC		Tripping Coil _____ VAC / DC		
				Motor _____ V				
Release		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
		Without Release	IPR E+	IPR 1+	IPR 2+	IPR 3+	IPR 4+	IPR 5+
		CT Rating _____ A,		Neutral CT <input type="text"/>				
		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 <input type="text"/>	Field test unit <input type="text"/>	Position Indication Switch <input type="text"/>	Spring Charge Indication Switch <input type="text"/>	Mechanical Interlock <input type="text"/>	Mal Insertion Prevention device <input type="text"/>	Door Interlock <input type="text"/>
		Five c/o additional Aux. contacts <input type="text"/>	Shunt Trip <input type="text"/>	UVT <input type="text"/>	Trip Indication Switch <input type="text"/>	Key Lock <input type="text"/>	Key Interlock	
						2L+1K <input type="text"/>		3L+2K <input type="text"/>

Note :

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

Compact, Reliable & Robust

HIM - Moulded Case Circuit Breakers



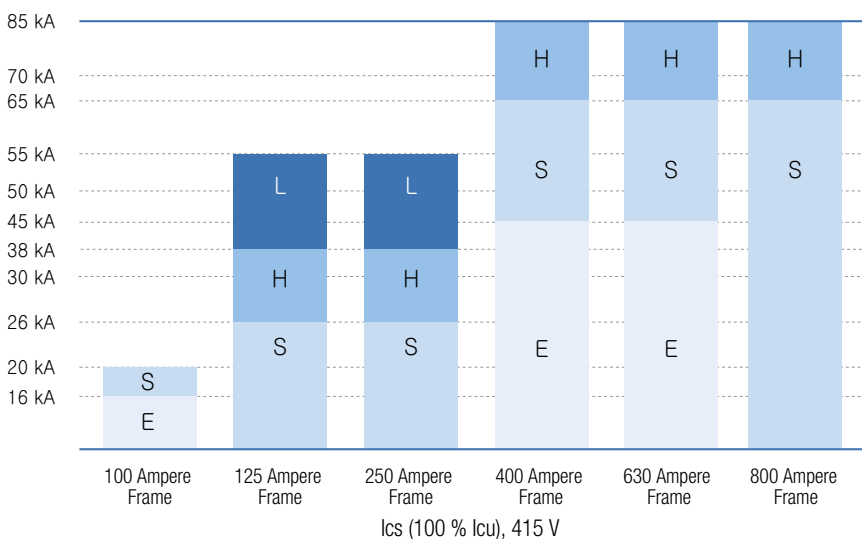
Wide range of Circuit Breakers catering all kind of electrical applications:

- HIM Series MCCBs upto 800 A is the natural selection for all kind of electrical distribution / applications.
- Double protective layer ensures high level of safety,
- High Electrical / Mechanical endurance for upgraded service life / dependability.
- All type of accessories for different frame provides greater control over distribution.
- Suitable for isolation.

Advanced Breaking Performance and Various Selectivity

- Wide Product Range: 100 A - 800 A in 5 different frames.
- Thermal magnetic release with thermal adjustability in entire range.
- High breaking capacity with $I_{cs} = 100\% I_{cu}$ from 16 kA to 85 kA.
- 2P, 3P and 4P versions available.
- Standardized Height of Products by Frame: 100 A - 250 A (68 mm), 400 A - 800 A (110 mm).

Rated Short-Circuit Current by Ampere Frame, ($I_{cs} = 100\% I_{cu}$)



Industrial Switchgear
Moulded Case Circuit Breakers (AC 415 V)

(Conforms to IS/IEC:60947-2)



HIM MCCB

Conforms to IS/IEC60947-2

Ics=Icu=100%

16A to 800A

Up to 85kA breaking capacities

Adjustable Thermal & Fixed Magnetic

Rated Ultimate Short-circuit Breaking Capacity Ics=100% Icu at 415 Vac (kA rms)	Rated Ultimate Short-circuit Breaking Capacity Icu at 250 V (2P)-DC (kA)	Current Rating (A)	Frame	Double Pole Cat. No.	Per Unit LP (₹)	Three Pole Cat. No.	Per Unit LP (₹)	Four Pole # Cat. No.	Per Unit LP (₹)
16	5	16	HIM 100	IHDA3BBD0016	2660.00	IHDA3BBT0016	3615.00	IHDA3BBF0016	4695.00
		20		IHDA3BBD0020		IHDA3BBT0020		IHDA3BBF0020	
		25		IHDA3BBD0025		IHDA3BBT0025		IHDA3BBF0025	
		32		IHDA3BBD0032		IHDA3BBT0032		IHDA3BBF0032	
		40		IHDA3BBD0040		IHDA3BBT0040		IHDA3BBF0040	
		50		IHDA3BBD0050		IHDA3BBT0050		IHDA3BBF0050	
		63		IHDA3BBD0063		IHDA3BBT0063		IHDA3BBF0063	
		80		IHDA3BBD0080		IHDA3BBT0080		IHDA3BBF0080	
		100		IHDA3BBD0100		IHDA3BBT0100		IHDA3BBF0100	
20	10	16	HIM 100	IHDA3CBD0016	3085.00	IHDA3CBT0016	4195.00	IHDA3CBF0016	5450.00
		20		IHDA3CBD0020		IHDA3CBT0020		IHDA3CBF0020	
		25		IHDA3CBD0025		IHDA3CBT0025		IHDA3CBF0025	
		32		IHDA3CBD0032		IHDA3CBT0032		IHDA3CBF0032	
		40		IHDA3CBD0040		IHDA3CBT0040		IHDA3CBF0040	
		50		IHDA3CBD0050		IHDA3CBT0050		IHDA3CBF0050	
		63		IHDA3CBD0063		IHDA3CBT0063		IHDA3CBF0063	
		80		IHDA3CBD0080		IHDA3CBT0080		IHDA3CBF0080	
		100		IHDA3CBD0100		IHDA3CBT0100		IHDA3CBF0100	
		150	HIM 250		IHD2HCBT0150	9255.00	IHD2HCBF0150	12030.00	
		160		IHD2HCBT0160	9860.00	IHD2HCBF0160	12815.00		
		200		IHD2HCBT0200	12890.00	IHD2HCBF0200	16755.00		
		225		IHD2HCBT0225	13365.00	IHD2HCBF0225	17365.00		
		250		IHD2HCBT0250	14680.00	IHD2HCBF0250	19075.00		
26	15	16	HIM 125	IHDA60BD0016	4790.00	IHDA60BT0016	6530.00	IHDA60BF0016	9030.00
		20		IHDA60BD0020		IHDA60BT0020		IHDA60BF0020	
		25		IHDA60BD0025		IHDA60BT0025		IHDA60BF0025	
		32		IHDA60BD0032		IHDA60BT0032		IHDA60BF0032	
		40		IHDA60BD0040		IHDA60BT0040		IHDA60BF0040	
		50		IHDA60BD0050		IHDA60BT0050		IHDA60BF0050	
		63		IHDA60BD0063		IHDA60BT0063		IHDA60BF0063	
		80		IHDA60BD0080		IHDA60BT0080		IHDA60BF0080	
		100		IHDA60BD0100		IHDA60BT0100		IHDA60BF0100	
		125		IHDA60BD0125		5875.00		IHDA60BT0125	
		150	HIM 250		IHD2HOBT0150	11665.00	IHD2HOBF0150	14030.00	
		160		IHD2HOBT0160		IHD2HOBF0160			
		200		IHD2HOBT0200	15115.00	IHD2HOBF0200	19440.00		
		225		IHD2HOBT0225		IHD2HOBF0225			
		250		IHD2HOBT0250	17250.00	IHD2HOBF0250	22135.00		



Rated Ultimate Short-circuit Breaking Capacity Ics=100% Icu at 415 Vac (kA rms)	Rated Ultimate Short-circuit Breaking Capacity Icu at 250 V (2P)-DC (kA)	Current Rating (A)	Frame	Double Pole Cat. No.	Per Unit LP (₹)	Three Pole Cat. No.	Per Unit LP (₹)	Four Pole # Cat. No.	Per Unit LP (₹)			
38	20	16	HIM 125	IHDA6TBD0016	5885.00	IHDA6TBT0016	7980.00	IHDA6TBF0016	10020.00			
		20		IHDA6TBD0020		IHDA6TBT0020		IHDA6TBF0020				
		25		IHDA6TBD0025		IHDA6TBT0025		IHDA6TBF0025				
		32		IHDA6TBD0032		IHDA6TBT0032		IHDA6TBF0032				
		40		IHDA6TBD0040		IHDA6TBT0040		IHDA6TBF0040				
		50		IHDA6TBD0050		IHDA6TBT0050		IHDA6TBF0050				
		63		IHDA6TBD0063		IHDA6TBT0063		IHDA6TBF0063				
		80		IHDA6TBD0080		IHDA6TBT0080		IHDA6TBF0080				
		100		IHDA6TBD0100		6590.00		IHDA6TBT0100		8930.00	IHDA6TBF0100	10220.00
		125		IHDA6TBD0125		6690.00		IHDA6TBT0125		9110.00	IHDA6TBF0125	11270.00
		150	HIM 250		IHD2HTBT0150	13945.00	IHD2HTBF0150	16715.00				
		160			IHD2HTBT0160		IHD2HTBF0160					
		200			IHD2HTBT0200		16820.00		IHD2HTBF0200	21085.00		
		225			IHD2HTBT0225		18880.00		IHD2HTBF0225	23385.00		
250	IHD2HTBT0250	IHD2HTBF0250										
45	20	300	HIM 400			IHDA9UBT0300	23085.00	IHDA9UBF0300	28575.00			
		350				IHDA9UBT0350		IHDA9UBF0350				
		400				IHDA9UBT0400		IHDA9UBF0400				
		500	HIM 630				IHD3HUBT0500	29985.00	IHD3HUBF0500	37030.00		
		630					IHD3HUBT0630		IHD3HUBF0630			
55	30	16	HIM 125	IHDA6VBD0016	7595.00	IHDA6VBT0016	10350.00	IHDA6VBF0016	12835.00			
		20		IHDA6VBD0020		IHDA6VBT0020		IHDA6VBF0020				
		25		IHDA6VBD0025		IHDA6VBT0025		IHDA6VBF0025				
		32		IHDA6VBD0032		IHDA6VBT0032		IHDA6VBF0032				
		40		IHDA6VBD0040		IHDA6VBT0040		IHDA6VBF0040				
		50		IHDA6VBD0050		IHDA6VBT0050		IHDA6VBF0050				
		63		IHDA6VBD0063		IHDA6VBT0063		IHDA6VBF0063				
		80		IHDA6VBD0080		IHDA6VBT0080		IHDA6VBF0080				
		100		IHDA6VBD0100		IHDA6VBT0100		IHDA6VBF0100				
		125		IHDA6VBD0125		9750.00		IHDA6VBT0125		13305.00	IHDA6VBF0125	16110.00
		150	HIM 250		IHD2HVBT0150	15835.00	IHD2HVBF0150	19665.00				
		160			IHD2HVBT0160		IHD2HVBF0160					
		200			IHD2HVBT0200		17980.00		IHD2HVBF0200	23365.00		
		225			IHD2HVBT0225		20460.00		IHD2HVBF0225	25935.00		
250	IHD2HVBT0250	IHD2HVBF0250										
65	25	300	HIM 400			IHDA9LBT0300	25040.00	IHDA9LBF0300	30425.00			
		350				IHDA9LBT0350		IHDA9LBF0350				
		400				IHDA9LBT0400		IHDA9LBF0400				
		500	HIM 630				IHD3HLBT0500	32210.00	IHD3HLBF0500	40590.00		
		630					IHD3HLBT0630		IHD3HLBF0630			
		700	HIM 800				IHD4HLBT0700	40390.00	IHD4HLBF0700	53055.00		
		800					IHD4HLBT0800		IHD4HLBF0800			
85	40	300	HIM 400			IHDA9MBT0300	31565.00	IHDA9MBF0300	36715.00			
		350				IHDA9MBT0350		IHDA9MBF0350				
		400				IHDA9MBT0400		IHDA9MBF0400				
		500	HIM 630				IHD3HMBT0500	40390.00	IHD3HMBF0500	50405.00		
		630					IHD3HMBT0630		IHD3HMBF0630			
		700	HIM 800				IHD4HMBT0700	48290.00	IHD4HMBF0700	63250.00		
		800					IHD4HMBT0800		IHD4HMBF0800			

Note : *Adjustable thermal (80% -100%) - In TP & FP only. #TP with Switched Neutral.

MCCBs are without extended terminals, however extended terminals are available on request at extra price for these ratings

Industrial Switchgear
Moulded Case Circuit Breakers (AC 415 V)
(Conforms to IS/IEC:60947-2)

Accessories for HIM Series Moulded Case Circuit Breakers

Description	HIM 100 Frame	HIM 125 Frame	HIM 250 Frame	HIM 400 Frame	HIM 630 Frame	HIM 800 Frame
Shunt Trip						
24 Vdc	ISSLEU0800	ISSLEU0800	ISSLEU0800	ISSLEU0889	ISSLEU0889	ISSLEU0889
48 Vdc	ISSLEU0801	ISSLEU0801	ISSLEU0801	ISSLEU0889	ISSLEU0889	ISSLEU0889
60 Vdc	ISSLEU0802	ISSLEU0802	ISSLEU0802	ISSLEU0889	ISSLEU0889	ISSLEU0889
100 Vdc - 120 Vdc	ISSLEU1634	ISSLEU1634	ISSLEU1634	ISSLEU0907	ISSLEU0907	ISSLEU0907
125 Vdc	ISSLEU0803	ISSLEU0803	ISSLEU0803	ISSLEU0908	ISSLEU0908	ISSLEU0908
100 Vdc - 125 Vdc	ISSLEU0905	ISSLEU0905	ISSLEU0905	ISSLEU0908	ISSLEU0908	ISSLEU0908
100 Vac - 120 Vac	ISSLEU0906	ISSLEU0906	ISSLEU0906	ISSLEU0890	ISSLEU0890	ISSLEU0890
200 Vac - 250 Vac	ISSLEU0906	ISSLEU0906	ISSLEU0906	ISSLEU0890	ISSLEU0890	ISSLEU0890
Under Voltage Release						
24 Vdc	ISSLEU0804	ISSLEU0804	ISSLEU0804	ISSLEU0912	ISSLEU0912	ISSLEU0912
48 Vdc	ISSLEU0805	ISSLEU0805	ISSLEU0805	ISSLEU0912	ISSLEU0912	ISSLEU0912
100 Vdc - 110 Vdc	ISSLEU0909	ISSLEU0909	ISSLEU0909	ISSLEU0914	ISSLEU0914	ISSLEU0914
100 Vac - 120 Vac	ISSLEU0910	ISSLEU0910	ISSLEU0910	ISSLEU0895	ISSLEU0895	ISSLEU0895
200 Vac - 230 Vac	ISSLEU0893	ISSLEU0893	ISSLEU0893	ISSLEU0896	ISSLEU0896	ISSLEU0896
380 Vac - 415 Vac	ISSLEU0894	ISSLEU0894	ISSLEU0894	ISSLEU0896	ISSLEU0896	ISSLEU0896
Rotary Handle						
Direct mounting	ISSLEU0806	ISSLEU0809	ISSLEU0812	ISSLEU0815	ISSLEU0916	ISSLEU0916
Door Mounting	ISSLEU0820	ISSLEU0821	ISSLEU0822	ISSLEU0823	ISSLEU0824	ISSLEU0824
Auxiliary Contact (250 Vac / 250 Vdc) (450 Vac / 250 Vdc)						
1-Changeover	ISSLEU0791	ISSLEU0791	ISSLEU0791	ISSLEU0793	ISSLEU0793	ISSLEU0793
2-Changeover	ISSLEU0792	ISSLEU0792	ISSLEU0792	ISSLEU0793	ISSLEU0793	ISSLEU0793
Alarm Switch (Left side only)	ISSLEU0794	ISSLEU0794	ISSLEU0794	ISSLEU0796	ISSLEU0796	ISSLEU0796
Alarm Switch (Right side only)	ISSLEU0795	ISSLEU0795	ISSLEU0795	ISSLEU0796	ISSLEU0796	ISSLEU0796
Auxiliary + Alarm Switch						
Left side only	ISSLEU0799	ISSLEU0799	ISSLEU0799	ISSLEU0799	ISSLEU0799	ISSLEU0799
Right side only	ISSLEU0797	ISSLEU0797	ISSLEU0797	ISSLEU0797	ISSLEU0797	ISSLEU0797
Mechanical Interlock						
2 Pole	ISSLEU0825	ISSLEU0829	ISSLEU0829	ISSLEU0836	ISSLEU0838	ISSLEU0838
3 Pole	ISSLEU0826	ISSLEU0830	ISSLEU0830	ISSLEU0837	ISSLEU0843	ISSLEU0843
4 Pole (N-R-S-T)	ISSLEU0828	ISSLEU0832	ISSLEU0832	ISSLEU0837	ISSLEU0843	ISSLEU0843
Motor Operator						
24 Vdc	ISSLEU0917	ISSLEU0897	ISSLEU0899	ISSLEU0901	ISSLEU0903	ISSLEU0903
110 Vac / Vdc	ISSLEU0918	ISSLEU0920	ISSLEU0921	ISSLEU0922	ISSLEU0923	ISSLEU0923
240 Vac / Vdc	ISSLEU0919	ISSLEU0898	ISSLEU0900	ISSLEU0902	ISSLEU0904	ISSLEU0904

Accessories for HIM Series Moulded Case Circuit Breakers

Industrial Switchgear Moulded Case Circuit Breakers (AC 415 V) (Conforms to IS/IEC:60947-2)

Description	HIM 100 Frame	HIM 125 Frame	HIM 250 Frame	HIM 400 Frame	HIM 630 Frame	HIM 800 Frame
Pad Lock Device	ISSLEU0844	ISSLEU0844	ISSLEU0844	ISSLEU0845	ISSLEU0845	ISSLEU0845
Auxiliary Handle	1050.00	1050.00	1050.00	1280.00	1280.00	1280.00
Terminals - Standard Type						
3 Pole (Set of 3)			ISSLEU0851		ISSLEU0849	ISSLEU0849
4 Pole (Set of 4)			ISSLEU0852		ISSLEU0850	ISSLEU0850
Terminals - Extended Type						
3 Pole (Set of 3)	POR	ISSLEX1160	ISSLEU0853	ISSLEU0847		
4 Pole (Set of 4)	POR	ISSLEX1161	ISSLEU0854	ISSLEU0848		
Terminal Cover - Short Type						
2 Pole	ISSLEU0855	ISSLEU0861				
3 Pole	ISSLEU0856	ISSLEU0862	ISSLEU0867	ISSLEU0871	ISSLEU0875	ISSLEU0875
4 Pole	ISSLEU0857	ISSLEU0863	ISSLEU0868	ISSLEU0872	ISSLEU0876	ISSLEU0876
Terminal Cover - Long Type						
2 Pole	ISSLEU0858	ISSLEU0864	ISSLEU0869	ISSLEU0873	ISSLEU0877	ISSLEU0877
3 Pole	ISSLEU0859	ISSLEU0865	ISSLEU0870	ISSLEU0874	ISSLEU0878	ISSLEU0878
4 Pole	ISSLEU0860	ISSLEU0866	ISSLEU0870	ISSLEU0874	ISSLEU0878	ISSLEU0878
Phase Barrier						
2 Pole (Set of 1)	ISSLEU0924	ISSLEU0924	ISSLEU0882			
3 Pole (Set of 2)	ISSLEU0880	ISSLEU0880	ISSLEU0883	ISSLEU0885	ISSLEU0885	ISSLEU0885
4 Pole (Set of 3)	ISSLEU0881	ISSLEU0881	ISSLEU0884	ISSLEU0886	ISSLEU0886	ISSLEU0886
DIN Rail Adaptor	ISSLEU0887					
Enclosure						
3 Pole	ISSBOU1189	ISSBOU1191	ISSBOU1193	ISSBOU1195	ISSBOU1197	ISSBOU1199
4 Pole	ISSBOU1190	ISSBOU1192	ISSBOU1194	ISSBOU1196	ISSBOU1198	ISSBOU1200
	1460.00	1590.00	2000.00	7100.00	7780.00	7780.00



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● Current Rating: 15 A to 1600 A ● Execution: 1P, 2P, 3P & 4P ● Breaking Capacity: 10 kA to 50 kA

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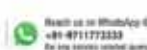


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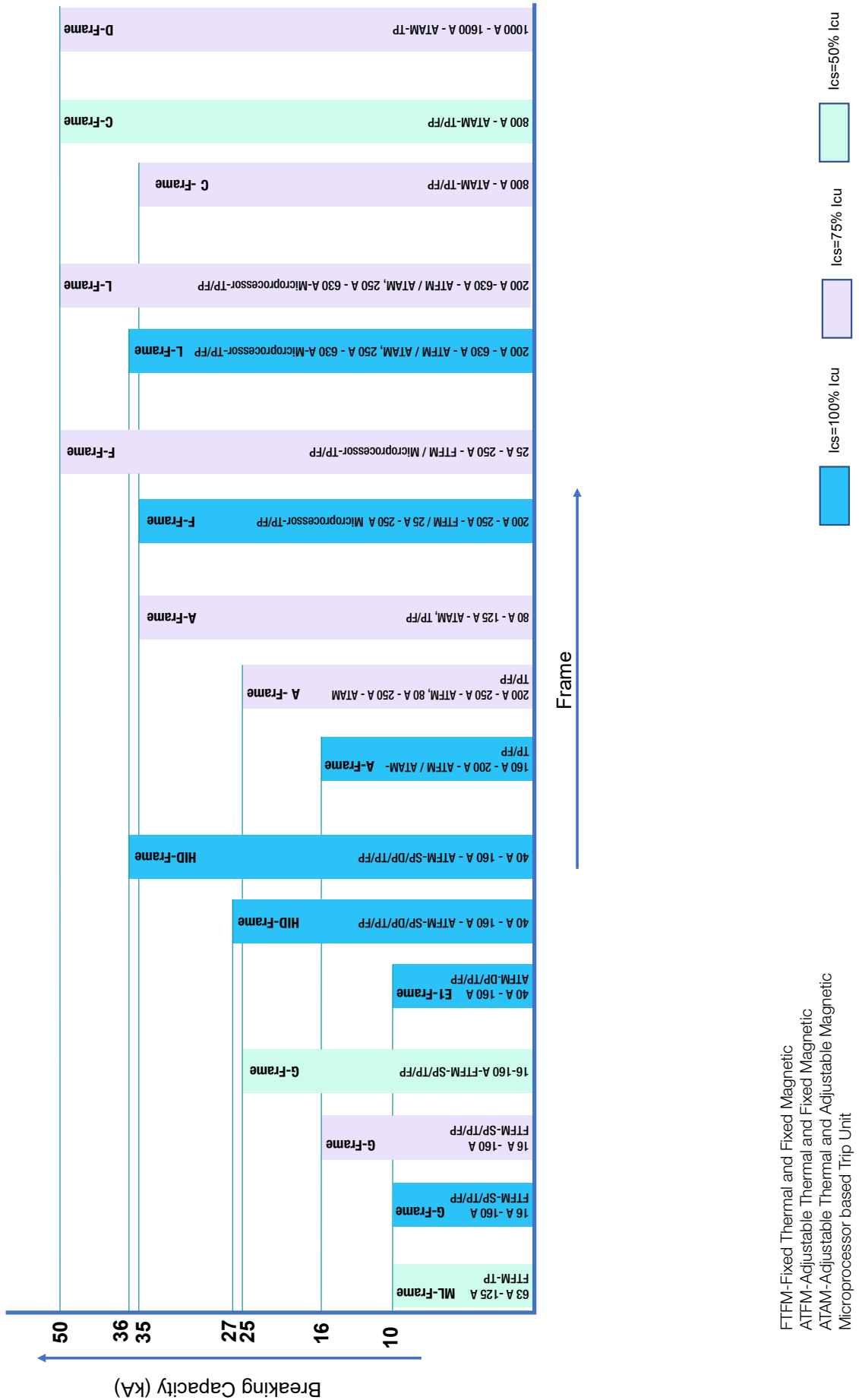


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Load Line (TMTU/ Microprocessor) + HID MCCB



Fixed Thermal & Fixed Magnetic

HSN Code: 8536

Rated Ultimate Shortcircuit Breaking Capacity Icu at 415 V (kA rms)	Rated Service short circuit Breaking Capacity Ics = % Icu at 415 V (kA rms)	Current Rating (A)	Frame	Three Pole Cat. No.	Per Unit LP (₹)	Four Pole Cat. No.	Per Unit LP (₹)		
10	50%	15	SH	IHLSHAAT0015	POR				
		20		IHLSHAAT0020	POR				
		32		IHLSHAAT0032	POR				
		40		IHLSHAAT0040	POR				
		63	ML1	IHLM1AAT0063	1670.00				
		80		IHLM1AAT0080#					
		100		IHLM1AAT0100#				1760.00	
		125		IHLM1AAT0125#				2435.00	
	100%	GS	25	GS	IHLGST0025	1835.00	IHLGSF0025	2405.00	
			32		IHLGST0032				
			40		IHLGST0040				
			50		IHLGST0050	1920.00	IHLGSF0050		
			63		IHLGST0063		IHLGSF0063		2535.00
			80		IHLGST0080#	1955.00	IHLGSF0080#		2950.00
			100		IHLGST0100#		IHLGSF0100#		
			125		IHLGST0125#	3180.00	IHLGSF0125#		3765.00
			150		IHLGST0150#	3800.00	IHLGSF0150#		5030.00
			160		IHLGST0160#		IHLGSF0160#		
16	75%	25	GN	IHLGNT0025	3545.00	IHLGNF0025	4200.00		
		32		IHLGNT0032					
		40		IHLGNT0040					
		50		IHLGNT0050					
		63		IHLGNT0063	IHLGNF0063				
		80				IHLGNT0080#		3735.00	IHLGNF0080#
		100		IHLGNT0100#	IHLGNF0100#	4540.00			
		125		IHLGNT0125#	3985.00	IHLGNF0125#		4820.00	
		150		IHLGNT0150#	4655.00	IHLGNF0150#			
		160						IHLGNT0160#	IHLGNF0160#
25	50%	25	GH	IHLGHT0025	4300.00	IHLGHF0025	5410.00		
		32		IHLGHT0032					
		40		IHLGHT0040					
		50		IHLGHT0050					
		63		IHLGHT0063	IHLGHF0063				
		80				IHLGHT0080#		4610.00	IHLGHF0080#
		100		IHLGHT0100#	IHLGHF0100#	5645.00			
		125		IHLGHT0125#	4910.00	IHLGHF0125#		6455.00	
		150		IHLGHT0150#	7405.00	IHLGHF0150#			
		160						IHLGHT0160#	IHLGHF0160#
35	100%	200	FN	IHLFN30200	14295.00	IHLFN40200	19150.00		
		250		IHLFN30250	16050.00	IHLFN40250	20935.00		
50	75%	25	FH	IHLFHT0025	8060.00	IHLFHF0025	9145.00		
		32		IHLFHT0032					
		40		IHLFHT0040					
		50		IHLFHT0050					
		63		IHLFHT0063	IHLFHF0063				
		80				IHLFHFA30080		8610.00	IHLFHFA40080
		100		IHLFH30100	IHLFH40100	10225.00			
		125		IHLFH30125	10290.00	IHLFH40125		13190.00	
		160		IHLFH30160	12915.00	IHLFH40160		16145.00	
		200		IHLFH30200	15020.00	IHLFH40200		20270.00	
250	IHLFH30250	16585.00	IHLFH40250	22120.00					

Phase barriers are supplied along with MCCBs
 Spreader terminals are available as an accessories, refer page no. 41
 # Both side terminal are included

Adjustable Thermal & Fixed Magnetic

HSN Code: 8536

Rated Ultimate Shortcircuit Breaking Capacity Icu at 415 V (kA rms)	Rated Service short circuit Breaking Capacity Ics = % Icu at 415 V (kA rms)	Current Rating (A)	Frame	Three Pole Cat. No.	Per Unit LP (₹)	Four Pole Cat. No.	Per Unit LP (₹)	
10	100%	40	E1	IHLE1ABT0040	3305.00	IHLE1ABF0040	3855.00	
		50		IHLE1ABT0050		IHLE1ABF0050		
		63		IHLE1ABT0063		IHLE1ABF0063		
		80		IHLE1AB30080	3420.00	IHLE1AB40080	3965.00	
		100		IHLE1AB30100		IHLE1AB40100		
		125		IHLE1AB30125		IHLE1AB40125		
		160		IHLE1AB30160		IHLE1AB40160		
16	100%	160	AS	IHLAS30160	6290.00	IHLAS40160	8155.00	
		200		IHLAS30200	7190.00	IHLAS40200	9065.00	
25	75%	25	AS	IHLAST0025	POR	IHLASF0025	POR	
		32		IHLAST0032		IHLASF0032		
		40		IHLAST0040		IHLASF0040		
		50		IHLAST0050		IHLASF0050		
		63		IHLAST0063		IHLASF0063		
		80		IHLASDB30080		IHLASDB40080		
		100		IHLAS30100		IHLAS40100		
		125		IHLAS30125		IHLAS40125		
		160		IHLAN30160		IHLAN40160		
		200		AN		IHLAN30200		8595.00
		250	IHLAN30250		9060.00	IHLAN40250	11530.00	
27	100%	40	HID1	IHA13DBT0040	5550.00	IHA13DBF0040	6470.00	
		50		IHA13DBT0050		IHA13DBF0050		
		63		IHA13DBT0063		IHA13DBF0063		
		80		IHA13DB30080		IHA13DB40080		
		100		IHA13DB30100		IHA13DB40100		
		125		IHA13DB30125	IHA13DB40125	8100.00		
		160		IHA13DB30160	IHA13DB40160	9825.00		
35	75%	25	AN	IHLANT0025	POR	IHLANF0025	POR	
		32		IHLANT0032		IHLANF0032		
		40		IHLANT0040		IHLANF0040		
		50		IHLANT0050		IHLANF0050		
		63		IHLANT0063		IHLANF0063		
		80		IHLANEB30080		IHLANEB40080		
		100		IHLAN30100		IHLAN40100		
		125		IHLAN30125		IHLAN40125		
		36		100%		40		HID1
50	IHA13EBT0050		IHA13EBF0050					
63	IHA13EBT0063		IHA13EBF0063					
80	IHA13EB30080		IHA13EB40080					
100	IHA13EB30100		IHA13EB40100					
125	IHA13EB30125		IHA13EB40125		9570.00			
160	IHA13EB30160		IHA13EB40160		11415.00			
200	LS		IHLLSEB30200		15980.00	IHLLSEB40200	19075.00	
250			IHLLSEB30250		17935.00	IHLLSEB40250	21425.00	
320			IHLLSEB30320		19620.00	IHLLSEB40320	24105.00	
400			IHLLSEB30400			IHLLSEB40400		
500			IHLLSEB30500		25485.00	IHLLSEB40500	31745.00	
630			IHLLSEB30630			IHLLSEB40630		
50	75%	200	LN	IHLLNFB30200	17080.00	IHLLNFB40200	20225.00	
		250		IHLLNFB30250	19435.00	IHLLNFB40250	22995.00	
		320		IHLLNFB30320	21285.00	IHLLNFB40320	25760.00	
		400		IHLLNFB30400		IHLLNFB40400		
		500		IHLLNFB30500	27380.00	IHLLNFB40500	33615.00	
		630		IHLLNFB30630		IHLLNFB40630		

Phase barriers are supplied along with MCCBs
 Spreader terminals are available as an accessories, refer page no. 41
 # Both side terminal are included

Adjustable Thermal & Adjustable Magnetic

HSN Code: 8536

Rated Ultimate Shortcircuit Breaking Capacity Icu at 415 V (kA rms)	Rated Service short circuit Breaking Capacity Ics = % Icu at 415 V (kA rms)	Current Rating (A)	Frame	Three Pole Cat. No.	Per Unit LP (₹)	Four Pole Cat. No.	Per Unit LP (₹)
16	100%	160	AS	IHLASBC30160	6475.00	IHLASBC40160	8780.00
		200		IHLASBC30200	7375.00	IHLASBC40200	9585.00
25	75%	80	AS	IHLASDC30080	5815.00	IHLASDC40080	7040.00
		100		IHLASDC30100		IHLASDC40100	
		125		IHLASDC30125		IHLASDC40125	
		160	AN	IHLANDC30160	8820.00	IHLANDC40160	10555.00
		200		IHLANDC30200	8940.00	IHLANDC40200	11000.00
		250		IHLANDC30250	9385.00	IHLANDC40250	11870.00
35	75%	80	AN	IHLANEC30080	7380.00	IHLANEC40080	8805.00
		100		IHLANEC30100	8260.00	IHLANEC40100	9855.00
		125		IHLANEC30125	8570.00	IHLANEC40125	9885.00
		800	CN	IHLCN30800	39270.00	IHLCN40800	48640.00
36	100%	200	LS	IHLLSEC30200	16605.00	IHLLSEC40200	19700.00
		250		IHLLSEC30250	18590.00	IHLLSEC40250	22080.00
		320		IHLLSEC30320	20290.00	IHLLSEC40320	24775.00
		400		IHLLSEC30400		IHLLSEC40400	
		500		IHLLSEC30500	26315.00	IHLLSEC40500	32575.00
		630		IHLLSEC30630		IHLLSEC40630	
50	75%	200	LN	IHLNFC30200	17715.00	IHLNFC40200	20855.00
		250		IHLNFC30250	20105.00	IHLNFC40250	23660.00
		320		IHLNFC30320	21285.00	IHLNFC40320	26430.00
		400		IHLNFC30400		IHLNFC40400	
		500		IHLNFC30500	27380.00	IHLNFC40500	34440.00
		630		IHLNFC30630		IHLNFC40630	
	50%	800	CH	IHLCH30800	43025.00	IHLCH40800	51640.00
	75%	1000	DN	IHLDNT1000	100615.00		
		1250		IHLDNT1250	115350.00		
		1600		IHLDNT1600	124330.00		

Phase barriers are supplied along with MCCBs
 Spreader terminals are available as an accessories, refer page no. 41
 # Both side terminal are included

Microprocessor MCCB
 Adjustable Overload, Short-circuit, Ground fault (4 Pole) & Fixed Instantaneous
 Neutral Protection (4 Pole)

Rated Ultimate Shortcircuit Breaking Capacity Icu at 415 V (kA rms)	Rated Service short circuit Breaking Capacity Ics = % Icu at 415 V (kA rms)	Current Rating (A)	Frame	Three Pole Cat. No.	Per Unit LP (₹)	Four Pole Cat. No.	Per Unit LP (₹)		
35	100%	25	FEN	IHLFENT0025	10445.00	IHLFENF0025	13520.00		
		32		IHLFENT0032		IHLFENF0032			
		40		IHLFENT0040		IHLFENF0040			
		50		IHLFENT0050		IHLFENF0050			
		63		IHLFENT0063		IHLFENF0063			
		80		IHLFEN30080		IHLFEN40080			
		100		IHLFEN30100		IHLFEN40100			
		125		IHLFEN30125		IHLFEN40125		16475.00	
		160		IHLFEN30160		IHLFEN40160		17420.00	
		200		IHLFEN30200		IHLFEN40200		20330.00	
		250		IHLFEN30250	20305.00	IHLFEN40250	23895.00		
36	100%	250	LES	IHLLSEE30250	27150.00	IHLLSEE40250	32860.00		
		320		IHLLSEE30320		IHLLSEE40320			
		400		IHLLSEE30400		IHLLSEE40400			
		500		IHLLSEE30500	29075.00	IHLLSEE40500	38815.00		
		630		IHLLSEE30630	IHLLSEE40630				
50	75%	25	FEH	IHLFEHT0025	11060.00	IHLFEHF0025	14135.00		
		32		IHLFEHT0032		IHLFEHF0032			
		40		IHLFEHT0040		IHLFEHF0040			
		50		IHLFEHT0050		IHLFEHF0050			
		63		IHLFEHT0063		IHLFEHF0063			
		80		IHLFEH30080		IHLFEH40080			
		100		IHLFEH30100		IHLFEH40100			
		125		IHLFEH30125		13600.00		IHLFEH40125	17180.00
		160		IHLFEH30160		15250.00		IHLFEH40160	18870.00
		200		IHLFEH30200		18975.00		IHLFEH40200	21775.00
		250	IHLFEH30250	21855.00	IHLFEH40250	25390.00			
				250	LEN	IHLLNFE30250	29645.00	IHLLNFE40250	37125.00
				320		IHLLNFE30320		IHLLNFE40320	
				400		IHLLNFE30400		IHLLNFE40400	
				500		IHLLNFE30500	32460.00	IHLLNFE40500	42570.00
		630	IHLLNFE30630	IHLLNFE40630					

Phase barriers are supplied along with MCCBs
 Spreader terminals are available as an accessories, refer page no. 41
 # Both side terminal are included

Single Pole And Double Pole MCCB

Rated Ultimate Shortcircuit Breaking Capacity Icu at 415 V (kA rms)	Rated Service short circuit Breaking Capacity Ics = % Icu at 415 V (kA rms)	Current Rating (A)	Frame	Single Pole Cat. No.	Per Unit LP (₹)	Double Pole Cat. No.	Per Unit LP (₹)		
10	100%	25	GS	IHLGSS0025	870.00				
		32		IHLGSS0032					
		40		IHLGSS0040					
		50		IHLGSS0050					
		63		IHLGSS0063					
		80		IHLGSS0080#					
		100		IHLGSS0100#					
		125		IHLGSS0125#				1095.00	
		150		IHLGSS0150#				1165.00	
		160		IHLGSS0160#				1180.00	
		40	E1			IHLE1AAD0040	2540.00		
		50				IHLE1AAD0050			
		63				IHLE1AAD0063			
		80				IHLE1AA20080			
		100				IHLE1AA20100			
		125				IHLE1AA20125		3435.00	
160	IHLE1AA20160	3920.00							
16	75%	25	GN	IHLGNS0025	1210.00				
		32		IHLGNS0032					
		40		IHLGNS0040					
		50		IHLGNS0050					
		63		IHLGNS0063					
		80		IHLGNS0080#					
		100		IHLGNS0100#					
		125		IHLGNS0125#				1260.00	
		150		IHLGNS0150#					
		160		IHLGNIAS0160#					
25	50%	25	GH	IHLGHDAS0025	1660.00				
		32		IHLGHDAS0032					
		40		IHLGHDAS0040					
		50		IHLGHDAS0050					
		63		IHLGHDAS0063					
		80		IHLGHDAS0080#					
		100		IHLGHDAS0100#					
		125		IHLGHDAS0125#				1720.00	
		150		IHLGHDAS0150#				1940.00	
		160		IHLGHDAS0160#					
27	100%	40	HID1	IHA13DBS0040	2920.00	IHA13DBD0040	4270.00		
		50		IHA13DBS0050		IHA13DBD0050			
		63		IHA13DBS0063		IHA13DBD0063			
		80		IHA13DB10080		IHA13DB20080			
		100		IHA13DB10100		IHA13DB20100			
		125		IHA13DB10125		IHA13DB20125		5225.00	
		160		IHA13DB10160		IHA13DB20160		6265.00	
		36		100%		40		HID1	IHA13EBS0040
50	IHA13EBS0050		IHA13EBD0050						
63	IHA13EBS0063		IHA13EBD0063						
80	IHA13EB10080		IHA13EB20080						
100	IHA13EB10100		IHA13EB20100						
125	IHA13EB10125		4075.00		IHA13EB20125	5960.00			
160	IHA13EB10160		5210.00		IHA13EB20160	7610.00			

Phase barriers are supplied along with MCCBs
 Spreader terminals are available as an accessories, refer page no. 41
 # Both side terminal are included

G Frame (DC) : Fixed Thermal & Fixed Magnetic setting

Ics = 75% of Icu

HSN Code: 8536

Breaking Capacity Icu at 250 Vdc (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)
5 kA	25 A	GN	IHMCGNT0025	3765.00
	32 A		IHMCGNT0032	
	40 A		IHMCGNT0040	
	50 A		IHMCGNT0050	
	63 A		IHMCGNT0063	
	80 A		IHMCGNT0080 #	
	100 A		IHMCGNT0100 #	
	125 A		IHMCGNT0125 #	
	160 A		IHMCGNT0160 #	5870.00



A Frame (DC) : Adjustable Thermal* & Fixed Magnetic setting

Ics = 75% of Icu

HSN Code: 8536

Breaking Capacity Icu at 250 Vdc (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)
10 kA	25 A	AN	IHMCANT0025	6215.00
	32 A		IHMCANT0032	
	40 A		IHMCAABT0040	
	50 A		IHMCAABT0050	
	63 A		IHMCANT0063	
	80 A		IHMANAB30080	
	100 A		IHMANAB30100	7995.00
	125 A		IHMCAAB30125	7995.00
	160 A		IHMANAB30160	10735.00
	200 A		IHMANAB30200	11040.00
	250 A		IHMANAB30250	11215.00



C Frame (DC) : Adjustable Thermal & Adjustable Magnetic setting*

Ics = 50% of Icu

HSN Code: 8536

Breaking Capacity Icu at 250 Vdc (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)
20 kA	800 A	CH	IHMCHFC30800	39910.00

Phase barriers are supplied along with MCCBs
 Spreader terminals are available as an accessories, refer page no. 41
 # Both side terminal are included



Industrial Switchgear

Loadline Moulded Case Circuit Breakers (AC 415 V)

(Conforms to IS/IEC:60947-2)

Spreader Terminal kit (1 side)

Frame Size	RATING	POLE	FG CODES	Per Unit LP (₹)
GS, GN, GH	80 A~100 A	SP	ISSLGX0153	18.00
		TP	ISSLGX0154	55.00
		FP	ISSLGX0155	75.00
	125 A	SP	ISSLGX0156	40.00
		TP	ISSLGX0157	100.00
		FP	ISSLGX0158	135.00
	160 A	SP	ISSLGX0159	55.00
		TP	ISSLGX0160	165.00
		FP	ISSLGX0161	220.00
AS, AN, AH	80 A~100 A	TP	ISSLAX0121	105.00
		FP	ISSLAX0122	140.00
	125 A~200 A	TP	ISSLAX0124	155.00
		FP	ISSLAX0125	210.00
	250 A	TP	ISSLAX0127	310.00
		FP	ISSLAX0128	420.00
LS, LN	200 A~400 A	TP	ISSLLX0065	650.00
		FP	ISSLLX0066	865.00
	500 A~630 A	TP	ISSLLX0067	975.00
		FP	ISSLLX0068	1290.00
FN, FH	80 A~100 A	TP	ISSLFX0074	105.00
		FP	ISSLFX0075	140.00
	125 A~160 A	TP	ISSLFX0076	155.00
		FP	ISSLFX0077	210.00
	200 A~250 A	TP	ISSLFX0078	310.00
		FP	ISSLFX0079	420.00
CN, CH	160 A ~250 A	TP	ISSLCX0075	675.00
		FP	ISSLCX0076	900.00
	315 A~400 A	TP	ISSLCX0077	840.00
		FP	ISSLCX0078	1120.00
	500 A	TP	ISSLCX0079	1090.00
		FP	ISSLCX0080	1450.00
	630 A	TP	ISSLCX0081	2650.00
		FP	ISSLCX0082	3530.00
800 A	TP	ISSLCX0083	3310.00	
	FP	ISSLCX0084	4410.00	
HID1 / E1 Frame	80 A~100 A	SP	ISSLHX4273	50.00
	125 A~160 A	SP	ISSLHX4274	65.00
	80 A~100 A	DP	ISSLHX4275	100.00
	125 A~160 A	DP	ISSLHX4276	130.00
	80 A~100 A	TP	ISSLHX4277	150.00
	125 A~160 A	TP	ISSLHX4278	195.00
	80 A~100 A	FP	ISSLHX4279	200.00
125 A~160 A	FP	ISSLHX4280	260.00	

Accessories for Loadline MCCB Enclosures

HSN Code: 8538

Sl.No.	Description	Item Code	Per Unit LP (₹)
1.	'ML' Frame TP	IHEMTP	945.00
2.	'G' Frame TP	IHEGTP	1655.00
3.	'G' Frame FP	IHEGFP	1655.00
4.	'A' Frame TP	IHEATP	1910.00
5.	'A' Frame FP	IHEAFP	1910.00
6.	'F' Frame TP	IHEFTP	2045.00
7.	'F' Frame FP	IHEFFP	2045.00
8.	'C' Frame TP / FP (400 A)	IHECTP / IHECFP	8520.00
9.	'C' Frame TP / FP (800 A)	IHECTS / IHECFS	8995.00
10.	'L' Frame TP	IHELTP	7315.00
11.	'L' Frame FP	IHELFP	7920.00
12.	HID Frame TP	ISSBOU1117	1790.00
13.	HID Frame FP	ISSBOU1118	1790.00



HSN Code: 8538

Accessories for **Loadline** Moulded Case Circuit Breakers

Description	'G' / 'ML' Frame		'A' Frame		E1 / HID Frame		'L' Frame		'F' Frame		'C' Frame		'D' Frame	
	Item Code	Per Unit LP (₹)	Item Code	Per Unit LP (₹)	Item Code	Per Unit LP (₹)	Item Code	Per Unit LP (₹)	Item Code	Per Unit LP (₹)	Item Code	Per Unit LP (₹)	Item Code	Per Unit LP (₹)
Shunt Trip														
100 Vac - 110 Vac	IHLGS110		IHLAS110		ISSLEU0438		IHLLS110		IHLLSTF110		IHLCS110		IHLLSTD110	
220 Vac - 240 Vac	IHLGS240	1110.00	IHLAS240	1200.00	ISSLEU0439	1250.00	IHLLS240	1900.00	IHLLSTF240	1275.00	IHLCS240	1800.00	IHLLSTD240	1800.00
380 Vac - 415 Vac	IHLGS415		IHLAS415		ISSLEU0440		IHLLS415		IHLLSTF415		IHLCS415		IHLLSTD415	
Under Voltage Release														
110 Vac - 120 Vac	IHLGU110		IHLAU110		-	-	IHLLU110		IHLUVRF110		IHLCO110		IHLUVRD110	
220 Vac - 240Vac	IHLGU240	1275.00	IHLAU240	1600.00	-	-	IHLLU240	2100.00	IHLUVRF240	1600.00	IHLCO240	2200.00	IHLUVRD240	2200.00
380 Vac - 440 Vac	IHLGU440		IHLAU440		-	-	IHLLU415		IHLUVRF440		IHLCO440		IHLUVRD440	
Auxiliary Contact (250vac/250Vdc) (450Vac/250Vdc)														
1-Changeover	IHLASG1CO	750.00	IHLAA1CO	750.00	ISSLEU0444	750.00	IHLA1CO	800.00	IHLASF1CO	750.00	IHLASC1CO	1100.00	IHLASD1CO	1480.00
2-Changeover	IHLASG2CO	1000.00	IHLAA2CO	1030.00	ISSLEU0445	1030.00	IHLA2CO	1400.00	IHLASF2CO	1030.00	IHLASC2CO	1500.00	IHLASD2CO	1800.00
Rotary Handle														
Direct mounting	IHLGD000	1035.00	IHLAD000	1340.00										
Door Mounting	IHLGRN30	1290.00	IHLARN30	1500.00	ISSLEU0494	1500.00	IHLRN30	2400.00	IHLRRHF30	1500.00	IHLRRHC30	3000.00	IHLRRHD30	4735.00
Trip Alarm Contact (Factory Fitted)	IHLALG1CO	750.00	IHLALA1CO	800.00	ISSLEU0447	800.00	IHLB000	800.00	IHLALF1CO	800.00	IHLALC1CO	1100.00	-	-

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 Castelli Lock available in C and D frame
- \$ - Back Studs (Price on Request)
- * - Factory Fitted only
- # - Replace "# with rating



Earth Fault Relay for MCCBs HSN Code: 8538

Sl. No.	MCCBs Current Range (A)	Item Code**	Per Unit LP (₹)
1	25 A- 100 A	IHEF1100	5860.00
2	125 A- 200 A	IHEF2200	6650.00
3	250 A- 400 A	IHEF3400	7760.00
4	500 A- 800 A	IHEF4800	9670.00

- The above prices are inclusive of CBCT.

** For operating the Earth Fault Relay a Shunt Trip or an LVR 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.



SOLUTION FROM POWER TO FINAL DISTRIBUTION

Full Range of mounting & wiring accessories with Communication architecture



MCB



'C' Series MCB

(In accordance with IS/IEC 60898-1 & IS/IEC 60947-2) 240 V/415 V, 50 Hz, 10 kA.

HSN Code - 8536

Rating	SP Cat. No.	List Price in ₹ Per Unit	SPN Cat. No.	List Price in ₹ Per Unit	DP Cat. No.	List Price in ₹ Per Unit
0.5 A-5 A	DHMZCSPF0X5-005	₹ 426.00	DHMZCSNF0x5-005	₹ 944.00	DHMZCDPF0X5-005	₹ 1108.00
6 A-32 A	DHMZCSPF006-032	₹ 254.00	DHMZCSNF006-032	₹ 813.00	DHMZCDPF006-032	₹ 832.00
40 A	DHMZCSPF040	₹ 586.00	DHMZCSNF040	₹ 1213.00	DHMZCDPF040	₹ 1294.00
50 A	DHMZCSPF050	₹ 648.00	DHMZCSNF050	₹ 1290.00	DHMZCDPF050	₹ 1403.00
63 A	DHMZCSPF063	₹ 648.00	DHMZCSNF063	₹ 1290.00	DHMZCDPF063	₹ 1403.00
Rating	TP Cat. No.	List Price in ₹ Per Unit	TPN Cat. No.	List Price in ₹ Per Unit	FP Cat. No.	List Price in ₹ Per Unit
0.5 A-5 A	DHMZCTPF0x5-005	₹ 1411.00	DHMZCTNF0x5-005	₹ 2063.00	DHMZCFPF0x5-005	₹ 2199.00
6 A-32 A	DHMZCTPF006-032	₹ 1315.00	DHMZCTNF006-032	₹ 1818.00	DHMZCFPF006-032	₹ 1889.00
40 A	DHMZCTPF040	₹ 1914.00	DHMZCTNF040	₹ 2518.00	DHMZCFPF040	₹ 2545.00
50 A	DHMZCTPF050	₹ 2005.00	DHMZCTNF050	₹ 2558.00	DHMZCFPF050	₹ 2648.00
63 A	DHMZCTPF063	₹ 2005.00	DHMZCTNF063	₹ 2558.00	DHMZCFPF063	₹ 2648.00

'D' Series MCB

(In accordance with IEC 60898-1) 240 V/415 V, 50 Hz Suitable for high inrush current loads.

HSN Code - 8536

*Prices available on demand.



Higher Rating MCB (80 A to 125 A) 'C' Series, (In accordance with IEC 60947-2) 240 V/415 V, 50 Hz, 10 kA

HSN Code - 8536

Rating	SP Cat. No.	List Price in ₹ Per Unit	DP Cat. No.	List Price in ₹ Per Unit	TP Cat. No.	List Price in ₹ Per Unit	FP Cat. No.	List Price in ₹ Per Unit
80 A	DHMJCSPF080	₹ 2058.00	DHMJCDF080	₹ 4499.00	DHMJCTPF080	₹ 6569.00	DHMJCJCPF080	₹ 7884.00
100 A	DHMJCSPF100	₹ 2305.00	DHMJCDF100	₹ 4620.00	DHMJCTPF100	₹ 6913.00	DHMJCJCPF100	₹ 8612.00
125 A	DHMJCSPF125	₹ 2528.00	DHMJCDF125	₹ 5279.00	DHMJCTPF125	₹ 7777.00	DHMJCJCPF125	₹ 9142.00

RCCB



RCCB - 'AC' Type

(In accordance with IS 12640-1 & IEC 61008-1) 240 V/415 V, 50 Hz with 10 kA short circuit withstand capacity

HSN Code - 8536

Rating (DP)	30 mA Cat. No.	List Price in ₹ Per Unit	100 mA Cat. No.	List Price in ₹ Per Unit	300 mA Cat. No.	List Price in ₹ Per Unit
16 A	DHRZCMDf030016	₹ 3384.00	DHRZCMDf100016	₹ 3308.00	DHRZCMDf300016	₹ 3404.00
25 A	DHRZCMDf030025	₹ 3384.00	DHRZCMDf100025	₹ 3308.00	DHRZCMDf300025	₹ 3404.00
32 A	DHRZCMDf030032	₹ 3409.00	DHRZCMDf100032	₹ 3372.00	DHRZCMDf300032	₹ 3508.00
40 A	DHRZCMDf030040	₹ 3409.00	DHRZCMDf100040	₹ 3372.00	DHRZCMDf300040	₹ 3508.00
63 A	DHRZCMDf030063	₹ 4466.00	DHRZCMDf100063	₹ 4466.00	DHRZCMDf300063	₹ 4596.00
80 A	DHRZCMDf030080	₹ 7168.00	DHRZCMDf100080	₹ 7168.00	DHRZCMDf300080	₹ 7168.00
100 A	DHRZCMDf030100	₹ 7278.00	DHRZCMDf100100	₹ 7278.00	DHRZCMDf300100	₹ 7278.00
Rating (FP)	30 mA Cat. No.	List Price in ₹ Per Unit	100 mA Cat. No.	List Price in ₹ Per Unit	300 mA Cat. No.	List Price in ₹ Per Unit
16 A	DHRZCMFF030016	₹ 4220.00	DHRZCMFF100016	₹ 4082.00	DHRZCMFF300016	₹ 4202.00
25 A	DHRZCMFF030025	₹ 4220.00	DHRZCMFF100025	₹ 4082.00	DHRZCMFF300025	₹ 4202.00
32 A	DHRZCMFF030032	₹ 4252.00	DHRZCMFF100032	₹ 4158.00	DHRZCMFF300032	₹ 4280.00
40 A	DHRZCMFF030040	₹ 4252.00	DHRZCMFF100040	₹ 4158.00	DHRZCMFF300040	₹ 4280.00
63 A	DHRZCMFF030063	₹ 4477.00	DHRZCMFF100063	₹ 4477.00	DHRZCMFF300063	₹ 4608.00
80 A	DHRZCMFF030080	₹ 7528.00	DHRZCMFF100080	₹ 7528.00	DHRZCMFF300080	₹ 7528.00
100 A	DHRZCMFF030100	₹ 7722.00	DHRZCMFF100100	₹ 7722.00	DHRZCMFF300100	₹ 7722.00

Low Voltage Switchgear

RCCB - 'A' Type

(In accordance with IS 12640-1 & IEC 61008-1) 240 V/415 V, 50 Hz with 10 kA short circuit withstand capacity

HSN Code - 8536



Rating (DP)	30 mA Cat. No.	List Price in ₹ Per Unit	100 mA Cat. No.	List Price in ₹ Per Unit	300 mA Cat. No.	List Price in ₹ Per Unit
16 A	DHRZAMDF030016	₹ 4291.00	DHRZAMDF100016	₹ 4144.00	DHRZAMDF300016	₹ 4144.00
25 A	DHRZAMDF030025	₹ 4291.00	DHRZAMDF100025	₹ 4144.00	DHRZAMDF300025	₹ 4144.00
32 A	DHRZAMDF030032	₹ 4602.00	DHRZAMDF100032	₹ 4414.00	DHRZAMDF300032	₹ 4414.00
40 A	DHRZAMDF030040	₹ 4602.00	DHRZAMDF100040	₹ 4414.00	DHRZAMDF300040	₹ 4414.00
63 A	DHRZAMDF030063	₹ 5426.00	DHRZAMDF100063	₹ 5257.00	DHRZAMDF300063	₹ 5257.00
Rating (FP)	30 mA Cat. No.	List Price in ₹ Per Unit	100 mA Cat. No.	List Price in ₹ Per Unit	300 mA Cat. No.	List Price in ₹ Per Unit
16 A	DHRZAMFF030016	₹ 5171.00	DHRZAMFF100016	₹ 5009.00	DHRZAMFF300016	₹ 5009.00
25 A	DHRZAMFF030025	₹ 5171.00	DHRZAMFF100025	₹ 5009.00	DHRZAMFF300025	₹ 5009.00
32 A	DHRZAMFF030032	₹ 5245.00	DHRZAMFF100032	₹ 5084.00	DHRZAMFF300032	₹ 5084.00
40 A	DHRZAMFF030040	₹ 5245.00	DHRZAMFF100040	₹ 5084.00	DHRZAMFF300040	₹ 5084.00
63 A	DHRZAMFF030063	₹ 5513.00	DHRZAMFF100063	₹ 5418.00	DHRZAMFF300063	₹ 5418.00

SUPPORT MODULES



Auxiliary Contact For MCB & RCCB

In accordance with IS/IEC 60947-5-1, 240 V, 50 Hz

HSN Code - 8536

CODE	DESCRIPTION	List Price in ₹ Per Unit
DHMAHSPF006	1NO + 1NC (MCB)	₹ 697.00
DHRAHSPF006	1NO + 1NC (RCCB)	₹ 697.00



Shunt Trip

In accordance with IS/IEC 60947-3-1, 240 V, 50 Hz

HSN Code - 8536

CODE	RATING	List Price in ₹ Per Unit
DHMZNP1X0002110	12 V	₹ 1368.00
DHMZNP1X0002200	24 V	₹ 1368.00
DHMZNP1X0002310	48 V	₹ 1368.00
DHMZNP1X0002400	240 V	₹ 1368.00



Under Voltage / Over Voltage

HSN Code - 8536

CODE	DESCRIPTION	List Price in ₹ Per Unit
DHMZNP1X0003510	OVT HGD63H Option Single Phase	₹ 1258.00
DHMZNP3X0003510	OVT HGD63H Option Three Phase	₹ 3101.00
DHMZNP1X0003110	UVT Single Phase 240 Vac	₹ 1258.00
DHMZNP1X0004110	UVT-OVT 1 Phase 240 Vac	₹ 1447.00
DHMZNP3X0004110	UVT-OVT 3 Phase 240 Vac	₹ 3433.00
DHMZNP1X0003210	UVT delay 1 Phase 240 Vac	₹ 1387.00
DHMZNP3X0003210	UVT delay 3 Phase 240 Vac	₹ 3235.00

RCBO

RCBO is designed for use in domestic, commercial and industrial distribution systems at the most downstream circuit for ensuring protection from leakage current, short circuit & over load to the user for a particular circuit. In normal use, it is safe to use and free of threat to user as well as to environment.



Electromechanical 2 P RCBOs used as (SPN & 2 P RCBOs)

(In accordance with IS 12640-2 & IEC 61009-1) 240 V/415 V, 50 Hz, with 10 kA short circuit capacity

HSN Code - 8536

Rating (SPN)	30 mA Cat. No.	List Price in ₹ Per Unit	100 mA Cat. No.	List Price in ₹ Per Unit	300 mA Cat. No.	List Price in ₹ Per Unit
16 A	DHBMACDP4030016	₹ 3897.00	DHBMACDP4100016	₹ 4218.00	DHBMACDP4300016	₹ 4584.00
25 A	DHBMACDP4030025	₹ 3897.00	DHBMACDP4100025	₹ 4218.00	DHBMACDP4300025	₹ 4584.00
32 A	DHBMACDP4030032	₹ 4011.00	DHBMACDP4100032	₹ 4333.00	DHBMACDP4300032	₹ 4700.00
40 A	DHBMACDP4030040	₹ 4414.00	DHBMACDP4100040	₹ 4929.00	DHBMACDP4300040	₹ 5330.00
63 A	DHBMACDP4030063	₹ 5416.00	DHBMACDP4100063	₹ 5703.00	DHBMACDP4300063	₹ 5989.00

Electromechanical 4P RCBOs used as (TPN & FP RCBOs)

(In accordance with IS 12640-2 & IEC 61009-1) 240 V/415 V, 50 Hz, with 10 kA short circuit capacity

HSN Code - 8536



Rating (TPN)	30 mA Cat. No.	List Price in ₹ Per Unit	100 mA Cat. No.	List Price in ₹ Per Unit	300 mA Cat. No.	List Price in ₹ Per Unit
16 A	DHBMACTN8030016	₹ 4929.00	DHBMACTN8100016	₹ 5301.00	DHBMACTN8300016	₹ 5531.00
25 A	DHBMACTN8030025	₹ 4929.00	DHBMACTN8100025	₹ 5301.00	DHBMACTN8300025	₹ 5531.00
32 A	DHBMACTN8030032	₹ 5043.00	DHBMACTN8100032	₹ 5416.00	DHBMACTN8300032	₹ 5645.00
40 A	DHBMACTN8030040	₹ 5101.00	DHBMACTN8100040	₹ 5720.00	DHBMACTN8300040	₹ 6018.00
63 A	DHBMACTN8030063	₹ 6075.00	DHBMACTN8100063	₹ 6340.00	DHBMACTN8300063	₹ 6340.00

RCBO - A Type (SPN - 2 M)

(In accordance with IS 12640-2 & IEC 61009-1) 240 V/415 V, 50 Hz, with 10 kA short circuit capacity

HSN Code - 8536



Rating (SPN)	30 mA Cat. No.	List Price in ₹ Per Unit	100 mA Cat. No.	List Price in ₹ Per Unit	300 mA Cat. No.	List Price in ₹ Per Unit
6 A	DHCEACSN2030006	₹ 3794.00	DHCEACSN2100006	₹ 3794.00	DHCEACSN2300006	₹ 3794.00
10 A	DHCEACSN2030010	₹ 3794.00	DHCEACSN2100010	₹ 3794.00	DHCEACSN2300010	₹ 3794.00
16 A	DHCEACSN2030016	₹ 3794.00	DHCEACSN2100016	₹ 3794.00	DHCEACSN2300016	₹ 3794.00
20 A	DHCEACSN2030020	₹ 3794.00	DHCEACSN2100020	₹ 3794.00	DHCEACSN2300020	₹ 3794.00
25 A	DHCEACSN2030025	₹ 3794.00	DHCEACSN2100025	₹ 3794.00	DHCEACSN2300025	₹ 3794.00
32 A	DHCEACSN2030032	₹ 3794.00	DHCEACSN2100032	₹ 3794.00	DHCEACSN2300032	₹ 3794.00
40 A	DHCEACSN2030040	₹ 4677.00	DHCEACSN2100040	₹ 4677.00	DHCEACSN2300040	₹ 4677.00

SPD

Type 1+2 AC Surge Protection Device

HSN Code - 8536

Order Code	Poles	Uc (V)	In (kA)	Iimp (kA)	Imax (kA)	Up (kV)	Remote Signaling	List Price in ₹ Per Unit
DHSAANBC50320	TP+N	320 V	20 kA	12.5 kA	50 kA	1.5 kV	No	₹ 9260.00
DHSAANAC50320	1P+N	320 V	20 kA	12.5 kA	50 kA	1.5 kV	No	₹ 5040.00
DHSAARBC50320	TP+N	320 V	20 kA	12.5 kA	50 kA	1.5 kV	Yes	₹ 9465.00
DHSAARAC50320	1P+N	320 V	20 kA	12.5 kA	50 kA	1.5 kV	Yes	₹ 5250.00



Cartridges

HSN Code - 8536

Order Code	Pole	Uc (V)	In (kA)	Iimp (kA)	Imax (kA)	Up (kV)	List Price in ₹ Per Unit
DSSRCX0149	L - N	320 V	20 kA	12.5 kA	50 kA	1.5 kV	₹ 2354.00
DSSRCX0150	N - PE	255 V	40 kA	12.5 kA	70 kA	1.5 kV	₹ 2889.00

TIME SWITCH

Time switches are used in residential, commercial and industrial premises to improve comfort and save energy by switching loads automatically as per real time. Havells offers a variety of time switches to precisely meet the requirements of different applications. The range offers several feature benefits such as different options of minimum switching time, internal battery to enable the timing function in case of power failure, daily and weekly versions, simple and compact design.



Time Switch

HSN Code - 9107

Description	Cat. No.	List Price in ₹ Per Unit
24 Hour Analog Time Switch (SST* - 15 min)	DHTED15016	₹ 2820.00
24 Hour Analog Time Switch (SST* - 30 min)	DHTED30016	₹ 2550.00
Astronomical + Digital Time Switch-3 years	DHTQB01016	₹ 2924.00
Digital Weekly Time Switch-3 years	DHTJW01016	₹ 2705.00
Multifunction Time Switch-10 years	DHTLB01016	₹ 5089.00
Twilight Time Switch	DHTPNN025	₹ 2625.00
Staircase Time Switch-3 years	DHTMNX5016	₹ 1478.00

* Shortest Switching Time

ACCL

3 Module SPN ACCL (Automatic Source Changeover with Current Limiter)

HSN Code - 8536



Mains Rating	Gen Rating	Product Code	Description	List Price in ₹ Per Unit
SPN 30 (6000 W)	SPN 1.5 (300 W)	DHADOSN301X	30 A/1.5 A ACCL W/O GEN START/STOP	₹ 1812.00
SPN 30 (6000 W)	SPN 2.5 (500 W)	DHADOSN302X	30 A/2.5 A ACCL W/O GEN START/STOP	₹ 1812.00
SPN 30 (6000 W)	SPN 3 (600 W)	DHADOSN3003	30 A/03 A ACCL W/O GEN START/STOP	₹ 1812.00
SPN 30 (6000 W)	SPN 4 (800 W)	DHADOSN3004	30 A/04 A ACCL W/O GEN START/STOP	₹ 1812.00
SPN 30 (6000 W)	SPN 5 (1000 W)	DHADOSN3005	30 A/05 A ACCL W/O GEN START/STOP	₹ 1812.00
SPN 30 (6000 W)	SPN 6 (1200 W)	DHADOSN3006	30 A/06 A ACCL W/O GEN START/STOP	₹ 1812.00
SPN 30 (6000 W)	SPN 9 (1800 W)	DHADOSN3009	30 A/09 A ACCL W/O GEN START/STOP	₹ 1812.00
SPN 30 (6000 W)	SPN 12 (2400 W)	DHADOSN3012	30 A/12 A ACCL W/O GEN START/STOP	₹ 1812.00
SPN 30 (6000 W)	SPN 15 (3000 W)	DHADOSN3015	30 A/15 A ACCL W/O GEN START/STOP	₹ 1812.00
SPN 30 (6000 W)	SPN 20 (4000 W)	DHADOSN3020	30 A/20 A ACCL W/O GEN START/STOP	₹ 1812.00

Type 2 AC Surge Protection Device

HSN Code - 8536



Order Code	Poles	Uc (V)	In (kA)	I _{max} (kA)	Up (kV)	Remote Signaling	List Price in ₹ Per Unit
DHSA2N1N40320	1P	320 V	20 kA	40 kA	1.5 kV	No	₹ 1530.00
DHSA2N1N40275	1P	275 V	20 kA	40 kA	1.3 kV	No	₹ 1530.00
DHSA2NAN40320	1P+N	320 V	20 kA	40 kA	1.5 kV	No	₹ 2555.00
DHSA2NAN40275	1P+N	275 V	20 kA	40 kA	1.3 kV	No	₹ 2555.00
DHSA2NBN40320	TP+N	320 V	20 kA	40 kA	1.5 kV	No	₹ 4545.00
DHSA2NBN40275	TP+N	275 V	20 kA	40 kA	1.3 kV	No	₹ 4545.00
DHSA2R1N40320	1P	320 V	20 kA	40 kA	1.5 kV	Yes	₹ 1695.00
DHSA2R1N40275	1P	275 V	20 kA	40 kA	1.3 kV	Yes	₹ 1695.00
DHSA2RAN40320	1P+N	320 V	20 kA	40 kA	1.5 kV	Yes	₹ 2720.00
DHSA2RAN40275	1P+N	275 V	20 kA	40 kA	1.3 kV	Yes	₹ 2720.00
DHSA2RBN40320	TP+N	320 V	20 kA	40 kA	1.5 kV	Yes	₹ 4715.00
DHSA2RBN40275	TP+N	275 V	20 kA	40 kA	1.3 kV	Yes	₹ 4715.00

Cartridges

HSN Code - 8536

Order Code	Pole	Uc (V)	In (kA)	Imax (kA)	Up (kV)	List Price in ₹ Per Unit
DSSRCX0151	L - N	320 V	20 kA	40 kA	1.5 kV	₹ 963.00
DSSRCX0152	L - N	275 V	20 kA	40 kA	1.3 kV	₹ 963.00
DSSRCX0153	N - PE	255 V	20 kA	40 kA	1.5 kV	₹ 1284.00

Type 1+2 Photovoltaic Surge Protection Device

HSN Code - 8535



Order Code	Ucpv (V)	In (kA)	Iimp (kA)	Imax (kA)	Up (kV)	Remote Signaling	List Price in ₹ Per Unit
DHSDANCC6012H	1200 Vdc	20 kA	12.5 kA	60 kA	4 kV	No	₹ 9560.00
DHSDARCC6012H	1200 Vdc	20 kA	12.5 kA	60 kA	4 kV	Yes	₹ 9760.00
DHSDANCB4012H	1200 Vdc	20 kA	6 kA	40 kA	4 kV	No	₹ 5065.00
DHSDARCB4012H	1200 Vdc	20 kA	6 kA	40 kA	4 kV	Yes	₹ 5265.00

Cartridges

HSN Code - 8536

Order Code	Pole	Ucpv (V)	In (kA)	Iimp (kA)	Imax (kA)	Up (kV)	List Price in ₹ Per Unit
DSSRCX0154	-	1200 Vdc	20 kA	6 kA	40 kA	4 kV	₹ 1284.00

Type 2 Photovoltaic Surge Protection Device

HSN Code - 8535



Order Code	Ucpv (V)	In (kA)	Imax (kA)	Up (kV)	Remote Signaling	List Price in ₹ Per Unit
DHSD2NCN4012H	1200 Vdc	20 kA	40 kA	4 kV	No	₹ 2600.00
DHSD2RCN4012H	1200 Vdc	20 kA	40 kA	4 kV	Yes	₹ 2770.00
DHSD2N2N40600	600 Vdc	20 kA	40 kA	4 kV	No	₹ 2200.00

Cartridges

HSN Code - 8536

Order Code	Pole	Ucpv (V)	In (kA)	Imax (kA)	Up (kV)	List Price in ₹ Per Unit
DSSRCX0155	-	1200 Vdc	20 kA	40 kA	4 kV	₹ 749.00

Dataline Surge Protection Device

HSN Code - 8536



Order Code	Un (V)	In (kA)	Iimp (kA)	Imax (kA)	Up (V)	Remote Signaling	List Price in ₹ Per Unit
DHSDDN1A20006	6 V	5 kA	5 kA	20 kA	20 kV	No	₹ 2215.00
DHSDDN1A20012	12 V	5 kA	5 kA	20 kA	30 kV	No	₹ 2215.00
DHSDDN1A20024	24 V	5 kA	5 kA	20 kA	40 kV	No	₹ 2365.00
DHSDDN1A20048	48 V	5 kA	5 kA	20 kA	70 kV	No	₹ 2365.00

* Spare Cartridges Available on Request.

Type 2 AC Surge Protection Device

HSN Code - 8536



Order Code	Poles	Uc (V)	In (kA)	Imax (kA)	Up (kV)	Remote Signaling	List Price in ₹ Per Unit
DHSA2N1N40320	1P	320 V	20 kA	40 kA	1.5 kV	No	₹ 1530.00
DHSA2N1N40275	1P	275 V	20 kA	40 kA	1.3 kV	No	₹ 1530.00
DHSA2NAN40320	1P+N	320 V	20 kA	40 kA	1.5 kV	No	₹ 2555.00
DHSA2NAN40275	1P+N	275 V	20 kA	40 kA	1.3 kV	No	₹ 2555.00
DHSA2NBN40320	TP+N	320 V	20 kA	40 kA	1.5 kV	No	₹ 4545.00
DHSA2NBN40275	TP+N	275 V	20 kA	40 kA	1.3 kV	No	₹ 4545.00
DHSA2R1N40320	1P	320 V	20 kA	40 kA	1.5 kV	Yes	₹ 1695.00
DHSA2R1N40275	1P	275 V	20 kA	40 kA	1.3 kV	Yes	₹ 1695.00
DHSA2RAN40320	1P+N	320 V	20 kA	40 kA	1.5 kV	Yes	₹ 2720.00
DHSA2RAN40275	1P+N	275 V	20 kA	40 kA	1.3 kV	Yes	₹ 2720.00
DHSA2RBN40320	TP+N	320 V	20 kA	40 kA	1.5 kV	Yes	₹ 4715.00
DHSA2RBN40275	TP+N	275 V	20 kA	40 kA	1.3 kV	Yes	₹ 4715.00

Low Voltage Switchgear



Cartridges

HSN Code - 8536

Order Code	Pole	Uc (V)	In (kA)	I _{max} (kA)	Up (kV)	List Price in ₹ Per Unit
DSSRCX0151	L - N	320 V	20 kA	40 kA	1.5 kV	₹ 963.00
DSSRCX0152	L - N	275 V	20 kA	40 kA	1.3 kV	₹ 963.00
DSSRCX0153	N - PE	255 V	20 kA	40 kA	1.5 kV	₹ 1284.00

Type 1+2 Photovoltaic Surge Protection Device

HSN Code - 8535

Order Code	U _{cpv} (V)	In (kA)	I _{limp} (kA)	I _{max} (kA)	Up (kV)	Remote Signaling	List Price in ₹ Per Unit
DHSDANCC6012H	1200 Vdc	20 kA	12.5 kA	60 kA	4 kV	No	₹ 9560.00
DHSDARCC6012H	1200 Vdc	20 kA	12.5 kA	60 kA	4 kV	Yes	₹ 9760.00
DHSDANCB4012H	1200 Vdc	20 kA	6 kA	40 kA	4 kV	No	₹ 5065.00
DHSDARCB4012H	1200 Vdc	20 kA	6 kA	40 kA	4 kV	Yes	₹ 5265.00



Cartridges

HSN Code - 8536

Order Code	Pole	U _{cpv} (V)	In (kA)	I _{limp} (kA)	I _{max} (kA)	Up (kV)	List Price in ₹ Per Unit
DSSRCX0154	-	1200 Vdc	20 kA	6 kA	40 kA	4 kV	₹ 1284.00

Type 2 Photovoltaic Surge Protection Device

HSN Code - 8535

Order Code	U _{cpv} (V)	In (kA)	I _{max} (kA)	Up (kV)	Remote Signaling	List Price in ₹ Per Unit
DHSD2NCN4012H	1200 Vdc	20 kA	40 kA	4 kV	No	₹ 2600.00
DHSD2RCN4012H	1200 Vdc	20 kA	40 kA	4 kV	Yes	₹ 2770.00
DHSD2N2N40600	600 Vdc	20 kA	40 kA	4 kV	No	₹ 2200.00

Cartridges

HSN Code - 8536

Order Code	Pole	U _{cpv} (V)	In (kA)	I _{max} (kA)	Up (kV)	List Price in ₹ Per Unit
DSSRCX0155	-	1200 Vdc	20 kA	40 kA	4 kV	₹ 749.00



Dataline Surge Protection Device

HSN Code - 8536

Order Code	Un (V)	In (kA)	I _{limp} (kA)	I _{max} (kA)	Up (V)	Remote Signaling	List Price in ₹ Per Unit
DHSDDN1A20006	6 V	5 kA	5 kA	20 kA	20 kV	No	₹ 2215.00
DHSDDN1A20012	12 V	5 kA	5 kA	20 kA	30 kV	No	₹ 2215.00
DHSDDN1A20024	24 V	5 kA	5 kA	20 kA	40 kV	No	₹ 2365.00
DHSDDN1A20048	48 V	5 kA	5 kA	20 kA	70 kV	No	₹ 2365.00

* Spare Cartridges Available on Request.

MCB Isolator



MCB ISOLATOR (Switching Devices)

MCB Isolators (AC-22 A, In accordance with IS/IEC 60947-3) 240 V/415 V, 50 Hz

HSN Code - 8536

Rating	SP Cat. No.	List Price in ₹ Per Unit	DP Cat. No.	List Price in ₹ Per Unit
40 A	-	-	DHMZIDPX040	₹ 498.00
63 A	-	-	DHMZIDPX063	₹ 645.00
80 A	-	-	DHMZIDPX080	₹ 877.00
100 A	-	-	DHMZIDPX100	₹ 887.00
125 A	-	-	DHMZIDPX125	₹ 958.00
Rating	TP Cat. No.	List Price in ₹ Per Unit	FP Cat. No.	List Price in ₹ Per Unit
40 A	DHMZITPX040	₹ 1064.00	DHMZIFPX040	₹ 1173.00
63 A	DHMZITPX063	₹ 1204.00	DHMZIFPX063	₹ 1186.00
80 A	DHMZITPX080	₹ 1423.00	DHMZIFPX080	₹ 1557.00
100 A	DHMZITPX100	₹ 1433.00	DHMZIFPX100	₹ 1567.00
125 A	DHMZITPX125	₹ 1462.00	DHMZIFPX125	₹ 1725.00

Industrial Plug

Industrial Plug

HSN Code - 8536



Rating	Poles	Code	Type	Earth-Contact position	Std. / Master Packing (No. of Unit/s)	List Price in ₹ Per Unit
16 A	2P+E	DHQBA63016	IP44	6h	4 N	₹ 401.00
32 A	2P+E	DHQBA63032	IP44	6h	4 N	₹ 563.00
16 A	3P+N+E	DHQBA65016	IP44	6h	4 N	₹ 488.00
32 A	3P+N+E	DHQBA65032	IP44	6h	4 N	₹ 728.00
16 A	2P+E	DHQBB63016	IP67	6h	4 N	₹ 687.00
32 A	2P+E	DHQBB63032	IP67	6h	4 N	₹ 1084.00
16 A	3P+N+E	DHQBB65016	IP67	6h	4 N	₹ 940.00
32 A	3P+N+E	DHQBB65032	IP67	6h	2 N	₹ 1123.00
63 A	2P+E	DHQBB63063	IP67	6h	1 N	₹ 2407.00
63 A	3P+N+E	DHQBB65063	IP67	6h	1 N	₹ 2855.00

Industrial Connector

Industrial Connector

HSN Code - 8536



Rating	Poles	Code	Type	Earth-Contact position	Std. / Master Packing (No. of Unit/s)	List Price in ₹ Per Unit
16 A	2P+E	DHQDA63016	IP44	6h	4 N	₹ 528.00
32 A	2P+E	DHQDA63032	IP44	6h	4 N	₹ 666.00
16 A	3P+N+E	DHQDA65016	IP44	6h	4 N	₹ 631.00
32 A	3P+N+E	DHQDA65032	IP44	6h	4 N	₹ 849.00
16 A	2P+E	DHQDB63016	IP67	6h	4 N	₹ 929.00
32 A	2P+E	DHQDB63032	IP67	6h	4 N	₹ 1296.00
16 A	3P+N+E	DHQDB65016	IP67	6h	4 N	₹ 1239.00
32 A	3P+N+E	DHQDB65032	IP67	6h	2 N	₹ 1456.00
63 A	3P+N+E	DHQDB65063	IP67	6h	1 N	₹ 3319.00

Wall Mounted Socket

Industrial Wall Mounted Socket

HSN Code - 8536



Rating	Poles	Code	Type	Earth-Contact position	Std. / Master Packing (No. of Unit/s)	List Price in ₹ Per Unit
16 A	2P+E	DHQSA63016	IP44	6h	2 N	₹ 619.00
32 A	2P+E	DHQSA63032	IP44	6h	2 N	₹ 849.00
16 A	3P+N+E	DHQSA65016	IP44	6h	2 N	₹ 687.00
32 A	3P+N+E	DHQSA65032	IP44	6h	2 N	₹ 889.00
16 A	2P+E	DHQSB63016	IP67	6h	2 N	₹ 1026.00
32 A	2P+E	DHQSB63032	IP67	6h	2 N	₹ 1433.00
16 A	3P+N+E	DHQSB65016	IP67	6h	2 N	₹ 1301.00
32 A	3P+N+E	DHQSB65032	IP67	6h	2 N	₹ 1560.00
63 A	3P+N+E	DHQSB65063	IP67	6h	1 N	₹ 3812.00

Panel Socket

Industrial Panel Socket

HSN Code - 8536



Rating	Poles	Code	Type	Earth-Contact position	Std. / Master Packing (No. of Unit/s)	List Price in ₹ Per Unit
16 A	2P+E	DHQCA63016	IP44	6h	6 N	367.00
32 A	2P+E	DHQCA63032	IP44	6h	4 N	636.00
16 A	3P+N+E	DHQCA65016	IP44	6h	4 N	597.00
32 A	3P+N+E	DHQCA65032	IP44	6h	4 N	723.00
16 A	2P+E	DHQCB63016	IP67	6h	4 N	734.00
32 A	2P+E	DHQCB63032	IP67	6h	4 N	860.00
16 A	3P+N+E	DHQCB65016	IP67	6h	4 N	855.00
32 A	3P+N+E	DHQCB65032	IP67	6h	3 N	1118.00
63 A	3P+N+E	DHQCB65063	IP67	6h	1 N	2980.00

Plug & Socket (Reefer Container)



Industrial Plug & Socket for Reefer Container

HSN Code - 8536

Category	Rating	Poles	Code	Type	Earth-Contact position	Std. / Master Packing (No. of Unit/s)	List Price in ₹ Per Unit
Panel Socket	32 A	3P+E	DHQCB34032	IP67	3h	4 N	₹ 1118.00
Plug	32 A	3P+E	DHQBB34032	IP67	3h	4 N	₹ 1123.00
Connector	32 A	3P+E	DHQDB34032	IP67	3h	4 N	₹ 1456.00
Wall mounted socket	32 A	3P+E	DHQSB34032	IP67	3h	2 N	₹ 1560.00
Interlock socket	32 A	3P+E	DHQWB34032	IP67	3h	1 N	₹ 6860.00

Interlocking Socket



Industrial Interlocking Socket

HSN Code - 8536

Rating	Poles	Code	Type	Earth-Contact position	Std. / Master Packing (No. of Unit/s)	List Price in ₹ Per Unit
16 A	2P+E	DHQIA63016	IP44	6h	1 N	₹ 5123.00
32 A	2P+E	DHQIA63032	IP44	6h	1 N	₹ 6569.00
16 A	3P+N+E	DHQIA65016	IP44	6h	1 N	₹ 7221.00
32 A	3P+N+E	DHQIA65032	IP44	6h	1 N	₹ 7754.00
16 A	2P+E	DHQWB63016	IP67	6h	1 N	₹ 5290.00
32 A	2P+E	DHQWB63032	IP67	6h	1 N	₹ 6860.00
16 A	3P+N+E	DHQWB65016	IP67	6h	1 N	₹ 7433.00
32 A	3P+N+E	DHQWB65032	IP67	6h	1 N	₹ 8252.00

Solution with Insulated Plug & Socket



Solution with Insulated Plug & Socket

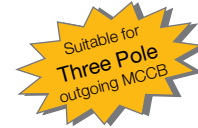
HSN Code - 8536

Rating	Poles	Code	Type	Earth-Contact position	Std. / Master Packing (No. of Unit/s)	List Price in ₹ Per Unit
16 A	2P+E	DHDPBDP016	IP40	6h	1 N	₹ 1394.00
16 A	3P+N+E	DHDPBTN016	IP40	6h	1 N	₹ 1680.00
32 A	2P+E	DHDPBDP032	IP40	6h	1 N	₹ 1908.00
32 A	3P+N+E	DHDPBTN032	IP40	6h	1 N	₹ 2155.00

Note: MCB to be bought seperately.

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

HSN Code: 8537



Incomer**	Outgoing* (No. of Ways)	Single Door Item Code	Per Unit LP (₹)	Double Door Item Code	Per Unit LP (₹)
250 A "AA" Frame MCCB	2	IHVG025002	36030.00	IHVG02500200	39360.00
	4	IHVG025004	45260.00	IHVG02500400	48550.00
	6	IHVG025006	51800.00	IHVG02500600	55110.00
	8	IHVG025008	56090.00	IHVG02500800	59400.00
	12	IHVG025012	69260.00	IHVG02501200	72520.00
	16	IHVG025016	81490.00	IHVG02501600	84800.00
400 A "LS" Frame MCCB	2	IHLG040002	42090.00	IHLG04000200	45990.00
	4	IHLG040004	50260.00	IHLG04000400	53910.00
	6	IHLG040006	53500.00	IHLG04000600	56920.00
	8	IHLG040008	57150.00	IHLG04000800	60530.00
	12	IHLG040012	73620.00	IHLG04001200	77070.00
	16	IHLG040016	87420.00	IHLG04001600	90980.00
400 A "CN" Frame MCCB	2	IHVG040002	44960.00	IHVG04000200	48280.00
	4	IHVG040004	52890.00	IHVG04000400	55030.00
	6	IHVG040006	61420.00	IHVG04000600	64760.00
	8	IHVG040008	64940.00	IHVG04000800	68290.00
	12	IHVG040012	79670.00	IHVG04001200	83370.00
	16	IHVG040016	91000.00	IHVG04001600	94370.00

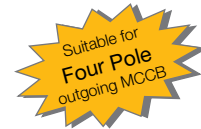


* The outgoings number of ways is the number of "G" Frame TP MCCBs that can be mounted. In case of SP MCCBs the number of MCCBs shall be three times the number of ways in TP MCCBs.

** 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.

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

HSN Code: 8537



Incomer**	Outgoing* (No. of Ways)	Single Door Item Code	Per Unit LP (₹)	Double Door Item Code	Per Unit LP (₹)
250 A "AA" Frame MCCB	2	IHVGF25002	38780.00	IHVGF2500200	42040.00
	4	IHVGF25004	48230.00	IHVGF2500400	51530.00
	6	IHVGF25006	56790.00	IHVGF2500600	60050.00
	8	IHVGF25008	61290.00	IHVGF2500800	64590.00
	12	IHVGF25012	88910.00	IHVGF2501200	92200.00
400 A "LS" Frame MCCB	2	IHLGF40002	45300.00	IHLGF4000200	49120.00
	4	IHLGF40004	53560.00	IHLGF4000400	57210.00
	6	IHLGF40006	58650.00	IHLGF4000600	62020.00
	8	IHLGF40008	62450.00	IHLGF4000800	65820.00
	12	IHLGF40012	94490.00	IHLGF4001200	97990.00
400 A "CN" Frame MCCB	2	IHVGF40002	49520.00	IHVGF4000200	52870.00
	4	IHVGF40004	58720.00	IHVGF4000400	62090.00
	6	IHVGF40006	67370.00	IHVGF4000600	70720.00
	8	IHVGF40008	71630.00	IHVGF4000800	74980.00
	12	IHVGF40012	100000.00	IHVGF4001200	103370.00

* 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' / 'A' Frame Panel Boards - Outgoing TP MCCB,
Incomer 'A' & 'C' Frame MCCB

HSN Code: 8537

Sl. No.	Description*	Single Door Item Code	Per Unit LP (₹)	Double Door Item Code	Per Unit LP (₹)
1	Cable Alley I/C 250 A,O/G 3P GF 2/4Way	ISSBOU0674	13970.00	ISSBOU0690	14980.00
2	Cable Alley I/C 250 A,O/G 3P GF 6WAY & 4P 2/4Way	ISSBOU0675	18760.00	ISSBOU0691	19780.00
3	Cable Alley I/C 250 A,O/G 3P GF 8WAY & 4P 6Way	ISSBOU0676	19020.00	ISSBOU0692	20740.00
4	Cable Alley I/C 250 A,O/G 3P GF 12Way	ISSBOU0677	21570.00	ISSBOU0693	22170.00
5	Cable Alley I/C 250 A,O/G 4P GF 8Way	ISSBOU0678	21570.00	ISSBOU0694	22170.00
6	Cable Alley I/C 250 A,O/G 3P GF 16Way & 4P 12Way	ISSBOU0679	25410.00	ISSBOU0696	26370.00
7	Cable Alley I/C 400 A,O/G 3P GF 2/4Way	ISSBOU0680	16540.00	ISSBOU0697	17140.00
8	Cable Alley I/C 400 A,O/G 3P GF 6WAY & 4P 2/4Way	ISSBOU0681	16540.00	ISSBOU0698	17140.00
9	Cable Alley I/C 400 A/630 A/800 A, O/G 3P GF 8Way, 4P 6Way & A/F 6Way	ISSBOU0682	22240.00	ISSBOU0699	23320.00
10	Cable Alley I/C 400 A,O/G 3P GF 12Way	ISSBOU0683	25660.00	ISSBOU0700	26370.00
11	Cable Alley I/C 400 A/630 A/800 A, O/G 4P GF 8Way & TP A/F 8Way	ISSBOU0684	26970.00	ISSBOU0701	27570.00
12	Cable Alley I/C 400 A/630 A/800 A, O/G 4P GF 12Way, TP GF 16Way & TP A/F 12Way	ISSBOU0685	28170.00	ISSBOU0702	28770.00

Industrial Switchgear
POWER SAFE Enclosures

(Conforms to IS:8623, IEC:60439)

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

HSN Code: 8537

Incomer**	Outgoing* (No. of Ways)	Single Door Item Code	Per Unit LP (₹)	Double Door Item Code	Per Unit LP (₹)
400 A "LS" Frame MCCB	6	IHLA040006	72580.00	IHLA04000600	75220.00
	8	IHLA040008	77530.00	IHLA04000800	80240.00
	12	IHLA040012	99860.00	IHLA04001200	102450.00
400 A "CN/CH" Frame MCCB	6	IHVA040006	92160.00	IHVA04000600	95520.00
	8	IHVA040008	96000.00	IHVA04000800	99360.00
	12	IHVA040012	129360.00	IHVA04001200	132730.00
630 A "CN/CH" Frame MCCB	6	IHVA063006	97800.00	IHVA06300600	101090.00
	8	IHVA063008	101310.00	IHVA06300800	104610.00
	12	IHVA063012	133570.00	IHVA06301200	136860.00
800 A "CN/CH" Frame MCCB	6	IHVA080006	98320.00	IHVA08000600	101610.00
	8	IHVA080008	102120.00	IHVA08000800	105420.00
	12	IHVA080012	134630.00	IHVA08001200	137930.00

Double door



* The outgoings 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.

Pre-Wired Meter Module with Voltmeter, Ammeter, Selector Switch, Ct's Control Fuse & Indicating Lights

HSN Code: 8537

S. No.	Description	Single Door Item Code	Per Unit LP (₹)	Double Door Item Code	Per Unit LP (₹)
1	Prewire Meter Module - Analog	ISSBOU0689	16180.00	ISSBOU0706	16790.00
2	Meter Module - Digital	ISSBOU0711	19900.00	ISSBOU0707	20980.00

Bare Meter Module / MCB Module / Add on Module

HSN Code: 8537

S. No.	Description	Single Door Item Code	Per Unit LP (₹)	Double Door Item Code	Per Unit LP (₹)
1	Meter Module - Analog Provision for Ammeter, Voltmeter - Analog with selector switch	ISSBOU0686	6230.00	ISSBOU0703	7190.00
2	MCB Module	ISSBOU0687	6230.00	ISSBOU0704	7190.00
3	Add on Module	ISSBOU0688	6230.00	ISSBOU0705	7190.00

* 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.

Add on Incoming Changeover Switch Enclosure only** HSN Code: 8537

S. No.	Description	Item Code	Per Unit LP (₹)
1	250 A Incoming change Over switch-F1	ISSBOU0708	11840.00
2	400 A & 630 A Incoming change Over switch - F2	ISSBOU0709	17400.00
3	800 A Incoming change Over switch - F3	ISSBOU0710	20350.00

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

Add on Incoming Changeover Switch with Enclosure HSN Code: 8537

S. No.	Description	Item Code	Per Unit LP (₹)
1	250 A Incoming change Over switch-F1	ISSBOU0712	47130.00
2	400 A Incoming change Over switch - F2	ISSBOU0713	62460.00
3	630 A Incoming change Over switch - F3	ISSBOU0714	69840.00



(Conforms to IS/IEC:60947-3)

On-Load Changeover Switch I-O-II

HSN Code: 8536

Frame Size	Rating (A)	Open Execution Item Code	Per Unit LP (₹)	SS Enclosure Item Code	Per Unit LP (₹)
00	040 A	IHCNFO0040	4625.00	IHCNFE0040	6800.00
00	063 A	IHCNFO0063	4860.00	IHCNFE0063	7245.00
00	080 A	IHCNFO0080	6340.00	IHCNFE0080	8500.00
00	100 A	IHCNFO0100	6520.00	IHCNFE0100	9125.00
0	125 A	IHCNFO0125	9740.00	IHCNFE0125	13685.00
0	160 A	IHCNFO0160	10430.00	IHCNFE0160	14575.00
0	200 A	IHCNFO0200	12510.00	IHCNFE0200	16795.00
1	250 A	IHCNFO0250	18095.00	IHCNFE0250	23225.00
1	320 A	IHCNFO0320	19120.00	IHCNFE0320	24290.00
2	400 A	IHCNFO0400	27630.00	IHCNFE0400	35745.00
2	630 A	IHCNFO0630	32830.00	IHCNFE0630	41360.00
3	800 A	IHCNFO0800	49140.00	IHCNFE0800	62425.00
4	1000 A	IHCNFO1000	83690.00	IHCNFE1000	113770.00
4	1250 A	IHCNFO1250	111115.00	IHCNFE1250	152315.00
4	1600 A	IHCNFO1600	132330.00	IHCNFE1600	204535.00
5	2000 A	IHCNFO2000	205020.00	IHCNFE2000	269495.00
5	2500 A	IHCNFO2500	271920.00	IHCNFE2500	344065.00
5	3150 A	IHCNFO3150	372270.00	IHCNFE3150	466120.00

Note :

* 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.



Instaprime Automatic Transfer Switch

Four Pole, AC-32B, 50 Hz, 415 V

Automatic/Manual Range

HSN Code: 8537

Rating (A)	Open Execution Item Code	Per Unit LP (₹)	Cat. no. 4 pole (Close Execution)	Per Unit LP (₹)
40 A	IHRFBAO040	20275.00	IHRFBAE040	21975.00
63 A	IHRFBAO063	21200.00	IHRFBAE063	22900.00
80 A	IHRFBAO080	22250.00	IHRFBAE080	23950.00
100 A	IHRFBAO100	23005.00	IHRFBAE100	24705.00
125 A	IHRFBAO125	26050.00	IHRFBAE125	27750.00



Instaline Automatic Transfer Switch

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

Automatic/Manual with complete protection HSN Code: 8537

Rating A	Item Code 3P	Per Unit LP (₹)	Item Code 4P	Per Unit LP (₹)
Open Execution				
100 A	IHYTCDO100	37350.00	IHYFCDO100	41665.00
125 A	IHYTCDO125	42070.00	IHYFCDO125	46935.00
160 A	IHYTCDO160	49040.00	IHYFCDO160	53245.00
200 A	IHYTCDO200	66775.00	IHYFCDO200	71360.00
250 A	IHYTCDO250	72755.00	IHYFCDO250	77745.00
315 A	IHYTCDO315	79175.00	IHYFCDO315	83660.00
400 A	IHYTCDO400	91575.00	IHYFCDO400	95775.00
500 A	IHYTCDO500	108750.00	IHYFCDO500	113725.00
630 A	IHYTCDO630	120835.00	IHYFCDO630	125355.00
With Enclosure				
100 A	IHYTCDE100	45660.00	IHYFCDE100	50305.00
125 A	IHYTCDE125	50715.00	IHYFCDE125	55945.00
160 A	IHYTCDE160	58940.00	IHYFCDE160	63520.00
200 A	IHYTCDE200	76815.00	IHYFCDE200	81715.00
250 A	IHYTCDE250	81600.00	IHYFCDE250	86840.00
315 A	IHYTCDE315	88345.00	IHYFCDE315	93055.00
400 A	IHYTCDE400	108020.00	IHYFCDE400	112515.00
500 A	IHYTCDE500	126475.00	IHYFCDE500	131805.00
630 A	IHYTCDE630	139415.00	IHYFCDE630	144250.00



ATS without controller is available on request

Industrial Switchgear Euroload Four Pole By Pass Switch

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

HSN Code: 8536

Accessories:

HSN Code: 8538

Frame Size	Current Rating (A)	Open Execution Item Code	Per Unit LP (₹)
00	063 A	IHCBFO0063	9425.00
00	100 A	IHCBFO0100	11110.00
0	125 A	IHCBFO0125	14155.00
0	160 A	IHCBFO0160	16865.00
0	200 A	IHCBFO0200	17990.00
1	250 A	IHCBFO0250	24485.00
1	320 A	IHCBFO0320	26215.00
2	400 A	IHCBFO0400	35655.00
2	630 A	IHCBFO0630	46315.00
3	800 A	IHCBFO0800	68685.00
3	1000 A	IHCBFO1000	105240.00
3	1600 A	IHCBFO1600	178330.00

Aux. Contact	Item Code	Per Unit LP (₹)
1 NO. 1 NC.	IHCNFAC1CO	370.00
2 NO. 2 NC.	IHCNFAC2CO	500.00

Euroload Switch Disconnector

(Conforms to IS/IEC:60947-3)

Three Pole, 415 V

HSN Code: 8536

Frame Size	Current Rating A	Open Execution Item Code	Per Unit LP (₹)	SS Enclosure Item Code	Per Unit LP (₹)
0	80 A	IHCSTO0080	1660.00	IHCSTE0080	2585.00
0	100 A	IHCSTO0100	2520.00	IHCSTE0100	3580.00
0	125 A	IHCSTO0125	3350.00	IHCSTE0125	4355.00
0	160 A	IHCSTO0160	3990.00	IHCSTE0160	5005.00
0	200 A	IHCSTO0200	4535.00	IHCSTE0200	5620.00
1	250 A	IHCSTO0250	5665.00	IHCSTE0250	7220.00
1	320 A	IHCSTO0320	6225.00	IHCSTE0320	7915.00
1	400 A	IHCSTO0400	8955.00	IHCSTE0400	10795.00



Four Pole, 415 V

HSN Code: 8536

Frame Size	Current Rating A	Open Execution Item Code	Per Unit LP (₹)	SS Enclosure Item Code	Per Unit LP (₹)
00	40 A	IHCSFO0040	1215.00	IHCSFE0040	1995.00
00	63 A	IHCSFO0063	1375.00	IHCSFE0063	2175.00
00	80 A	IHCSFO0080	2035.00	IHCSFE0080	2755.00
00	100 A	IHCSFO0100	3280.00	IHCSFE0100	4015.00
0	125 A	IHCSFO0125	3500.00	IHCSFE0125	4425.00
0	160 A	IHCSFO0160	4185.00	IHCSFE0160	5115.00
0	200 A	IHCSFO0200	5050.00	IHCSFE0200	6100.00
1	250 A	IHCSFO0250	6335.00	IHCSFE0250	8210.00
1	320 A	IHCSFO0320	6945.00	IHCSFE0320	8720.00
2	400 A	IHCSFO0400	9630.00	IHCSFE0400	12040.00
2	630 A	IHCSFO0630	11030.00	IHCSFE0630	13590.00
3	800 A	IHCSFO0800	16440.00	IHCSFE0800	19395.00
4	1000 A	IHCSFO1000	24870.00	IHCSFE1000	35235.00
4	1250 A	IHCSFO1250	37350.00	IHCSFE1250	42385.00
4	1600 A	IHCSFO1600	51400.00	IHCSFE1600	56995.00
5	2000 A	IHCSFO2000	58905.00	IHCSFE2000	75045.00
5	2500 A	IHCSFO2500	76440.00	IHCSFE2500	98220.00
5	3150 A	IHCSFO3150	107835.00	IHCSFE3150	126910.00



Kompact plus Switch Disconnecter Fuse (Panel Mounting Cubicle Type)

Three Pole & Neutral - AC-23 A, 50 Hz, 415 V (with Bolted Type Fuse) HSN Code: 8537

Rating A	Item Code	Per Unit LP (₹)	Item Code	Per Unit LP (₹)	HBC Fuse Type
	Open Execution with Fuses		In Sheet Steel Encl. with Fuses		
32 A	IHKDTF4032	2125.00	IHKDTW4032	3615.00	IHHTIA0032
63 A	IHKDTF4063	2935.00	IHKDTW4063	4425.00	IHHTSS0063
100 A	IHKDTF4100	5880.00	IHKDTW4100	7265.00	IHHTSD0100
125 A	IHKDTF4125	7370.00	IHKDTW4125	8755.00	IHHTSD0125



Three Pole & Neutral - AC-23 A, 50 Hz, 415 V (with DIN Type Fuse)

Rating A	Item Code	Per Unit LP (₹)	Item Code	Per Unit LP (₹)	HBC Fuse Type
	Open Execution with Fuses		In Sheet Steel Encl. with Fuses		
32 A	IHKFTF4032	2925.00	IHKFTW4032	4415.00	IHHCD00032
63 A	IHKFTF4063	3655.00	IHKFTW4063	5145.00	IHHCD00063
100 A	IHKFTF4100	6345.00	IHKFTW4100	7835.00	IHHCD00100
125 A	IHKFTF4125	8330.00	IHKFTW4125	9820.00	IHHCD00125

Kompact-EZO Switch Disconnecter Fuse (Panel Mounting Cubicle Type)

Three Pole & Neutral - AC-23 A, 50 Hz, 415 V (with Bolted Type Fuse) HSN Code: 8537

Rating A	Item Code	Per Unit LP (₹)	Item Code	Per Unit LP (₹)	HBC Fuse Type
	Open Execution with 3 Fuses		In Sheet Steel Encl. with 3 Fuses		
160 A	IHFSTF4160	8545.00	IHFSTW4160	11390.00	IHHTSF0160
200 A	IHFSTF4200	10685.00	IHFSTW4200	13530.00	IHHTSF0200
250 A	IHFSTF4250	12945.00	IHFSTW4250	15790.00	IHHTSF0250
320 A	IHFSTF4320	16685.00	IHFSTW4320	20225.00	IHHTSK0315
400 A	IHFSTF4400	20605.00	IHFSTW4400	24145.00	IHHTSMF400
630 A	IHFSTF4630	34420.00	IHFSTW4630	38400.00	IHHTLM0630
800 A	IHFSTF4800*	40255.00	IHFSTW4800*	44235.00	IHHTLM0800



Note: All switch disconnecter fuse units if required without fuse link will be made available on request.

Three Pole & Neutral - AC-23 A, 50 Hz, 415 V (with DIN Type Fuse)

Rating A	Item Code	Per Unit LP (₹)	Item Code	Per Unit LP (₹)	HBC Fuse Type
	Open Execution with 3 Fuses		In Sheet Steel Encl. with 3 Fuses		
160 A	IHFKTF4160	9595.00	IHFKTW4160	12440.00	IHHCD01160
200 A	IHFKTF4200	10960.00	IHFKTW4200	13805.00	IHHCD01200
250 A	IHFKTF4250	13340.00	IHFKTW4250	16185.00	IHHCD01250
320 A	IHFKTF4320	17490.00	IHFKTW4320	21030.00	IHHCD02315
400 A	IHFKTF4400	20860.00	IHFKTW4400	24400.00	IHHCD02400
630 A	IHFKTF4630	33320.00	IHFKTW4630	37300.00	IHHCD03630
800 A	IHFKTO4800*	31230.00	IHFKTE4800*	35455.00	

Note: All switch disconnecter fuse units if required without fuse link will be made available on request.

* IHFKTO4800 & IHFKTE4800 available without Fuse Link

Industrial Switchgear

Kompact *plus* Switch Disconnecter Fuse Unit

(Conforms to IS/IEC:60947- Part 1 & 3)

Four Pole - AC-23 A, 50 Hz, 415 V (with Bolted Type Fuse) HSN Code: 8537

Rating A	Item Code	Per Unit LP (₹)	Item Code	Per Unit LP (₹)	HBC Fuse Type
	Open Execution with 4 Fuses		In Sheet Steel Encl. with 4 Fuses		
32 A	IHKDFF4032	2900.00	IHKDFW4032	4490.00	IHHTIA0032
63 A	IHKDFF4063	3720.00	IHKDFW4063	5310.00	IHHTSS0063
100 A	IHKDFF4100	7380.00	IHKDFW4100	8970.00	IHHTSD0100
125 A	IHKDFF4125	8800.00	IHKDFW4125	10390.00	IHHTSD0125



Four Pole - AC-23 A, 50 Hz, 415 V (with DIN Type Fuse)

Rating A	Item Code	Per Unit LP (₹)	Item Code	Per Unit LP (₹)	HBC Fuse Type
	Open Execution with 4 Fuses		In Sheet Steel Encl. with 4 Fuses		
32 A	IHKFFF4032	3980.00	IHKFFW4032	5570.00	IHHCD00032
63 A	IHKFFF4063	4715.00	IHKFFW4063	6305.00	IHHCD00063
100 A	IHKFFF4100	8200.00	IHKFFW4100	9790.00	IHHCD00100
125 A	IHKFFF4125	9310.00	IHKFFW4125	10900.00	IHHCD00125

Kompact-EZO Switch Disconnecter Fuse Unit

Four Pole - AC-23 A, 50 Hz, 415 V (with Bolted Type Fuse) HSN Code: 8537

Rating A	Item Code	Per Unit LP (₹)	Item Code	Per Unit LP (₹)	HBC Fuse Type
	Open Execution with 4 Fuses		In Sheet Steel Encl. with 4 Fuses		
160 A	IHFSFF4160	11710.00	IHFSPW4160	14445.00	IHHTSF0160
200 A	IHFSFF4200	13245.00	IHFSPW4200	15980.00	IHHTSF0200
250 A	IHFSFF4250	15620.00	IHFSPW4250	18355.00	IHHTSF0250
320 A	IHFSFF4320	18710.00	IHFSPW4320	21970.00	IHHTSK0315
400 A	IHFSFF4400	21385.00	IHFSPW4400	24645.00	IHHTSMF400
630 A	IHFSFF4630	37210.00	IHFSPW4630	41025.00	IHHTLM0630
800 A	IHFSFF4800*	43335.00	IHFSPW4800*	47150.00	IHHTLM0800



Four Pole - AC-23 A, 50 Hz, 415 V (with DIN Type Fuse)

Rating A	Item Code	Per Unit LP (₹)	Item Code	Per Unit LP (₹)	HBC Fuse Type
	Open Execution with 4 Fuses		In Sheet Steel Encl. with 4 Fuses		
160 A	IHFKFF4160	11325.00	IHFKFW4160	14060.00	IHHCD01160
200 A	IHFKFF4200	13350.00	IHFKFW4200	16085.00	IHHCD01200
250 A	IHFKFF4250	14415.00	IHFKFW4250	17150.00	IHHCD01250
320 A	IHFKFF4320	18210.00	IHFKFW4320	21470.00	IHHCD02315
400 A	IHFKFF4400	20310.00	IHFKFW4400	23570.00	IHHCD02400
630 A	IHFKFF4630	38740.00	IHFKFW4630	42555.00	IHHCD03630
800 A	IHFKFO4800*	37750.00	IHFKFE4800*	42045.00	

Note: All switch disconnecter fuse units if required without fuse link will be made available on request.

* IHFKFO4800 & IHFKFE4800 available without Fuse Link

Busbar Chambers (Wall Mounted)

HSN Code: 8536

Current Rating (A)	No. of	Item Code	Per Unit LP (₹)
63 A	4 WAY	IHBC006304	7545.00
	6 WAY	IHBC006306	8800.00
	8 WAY	IHBC006308	10135.00
100 A	4 WAY	IHBC010004	9060.00
	6 WAY	IHBC010006	12540.00
	8 WAY	IHBC010008	13180.00
200 A	4 WAY	IHBC020004	11330.00
	6 WAY	IHBC020006	14665.00
	8 WAY	IHBC020008	16005.00
250 A	4 WAY	IHBC025004	18755.00
	6 WAY	IHBC025006	29515.00
	8 WAY	IHBC025008	36910.00
315 A	4 WAY	IHBC031504	19595.00
	6 WAY	IHBC031506	30365.00
	8 WAY	IHBC031508	38805.00
400 A	4 WAY	IHBC040004	21170.00
	6 WAY	IHBC040006	31935.00
	8 WAY	IHBC040008	40155.00
630 A	4 WAY	IHBC063004	32420.00
	6 WAY	IHBC063006	43010.00
	8 WAY	IHBC063008	51735.00
800 A	4 WAY	IHBC080004	34485.00
	6 WAY	IHBC080006	45960.00
	8 WAY	IHBC080008	58185.00



RH Type - 80 kA, 415 V

HSN Code: 8536

Rating (A)	Item Code	Per Unit LP (₹)	STD Packing No. of unit/s
2 A	IHHRH00002	105.00	20 N
4 A	IHHRH00004	105.00	
6 A	IHHRH00006	105.00	
10 A	IHHRH00010	105.00	
16 A	IHHRH00016	105.00	20 N
20 A	IHHRH00020	105.00	
25 A	IHHRH00025	105.00	
32 A	IHHRH00032	105.00	20 N
40 A	IHHRH00040	115.00	
50 A	IHHRH00050	245.00	
63 A	IHHRH00063	260.00	20 N



DIN Fuse Bases (Fixed Type)

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

HSN Code: 8536

Rated A	Item Code	Type	Fuse Type	Per Unit LP (₹)	STD Packing No. of unit/s
160 A	IHUC000160	Open Type Fuse Base	CD-00	410.00	6 N



i Base - DIN Fuse Bases (Fixed Type)

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

HSN Code: 8536

Rated A	Item Code	Type	Fuse Type	Per Unit LP (₹)	STD Packing No. of unit/s
250 A	IHIC010250	Open Type Fuse Base	CD-1	710.00	3 N
400 A	IHIC020400	Open Type Fuse Base	CD-2	1100.00	3 N
630 A	IHIC030630	Open Type Fuse Base	CD-3	1410.00	3 N



Industrial Switchgear

HiBreak HBC Fuse Link

(Conforms to IS: 13703-1 & 2-1 / IEC:60269-1 & 2-1)



Bolted Type - 80 kA, 415 V

HSN Code: 8536

IS Size	Tag Type	BS Type	Rating (A)	Item Code	Per Unit LP (₹)	STD Packing No. of unit/s
			2 A	IHHNS00002	65.00	20 N
			4 A	IHHNS00004	65.00	
			6 A	IHHNS00006	65.00	
			10 A	IHHNS00010	65.00	
F-1	Offset	NS	16 A	IHHNS00016	65.00	
			20 A	IHHNS00020	75.00	20 N
			25 A	IHHNS00025	75.00	
			32 A	IHHNS00032	75.00	
			6 A	IHHTIA0006	95.00	
			10 A	IHHTIA0010	95.00	
			16 A	IHHTIA0016	95.00	10 N
A-2	Offset	TIA	20 A	IHHTIA0020	95.00	
			25 A	IHHTIA0025	95.00	
			32 A	IHHTIA0032	95.00	
			36 A	IHHTSS0036	120.00	
A-3	Offset	TSS	50 A	IHHTSS0050	120.00	10 N
			63 A	IHHTSS0063	120.00	10 N
			80 A	IHHTSD0080	245.00	
A-4	Offset	TSD	100 A	IHHTSD0100	245.00	
			125 A	IHHTSD0125	245.00	
			80 A	IHHTSDC080	250.00	
B-1	Central	TSDC	100 A	IHHTSDC100	250.00	10 N
			125 A	IHHTSDC125	250.00	10 N
			125 A	IHHTSF0125	380.00	
B-2	Central	TSF	160 A	IHHTSF0160	380.00	
			200 A	IHHTSF0200	380.00	
			250 A	IHHTSF0250	415.00	
			225 A	IHHTSK0225	540.00	3 N
B-3	Central	TSK	250 A	IHHTSK0250	540.00	
			300 A	IHHTSK0300	540.00	
			315 A	IHHTSK0315	540.00	
B - 4	Central	TSMF	400 A	IHHTSMF400	1020.00	
C - 1	Central	TSMS	400 A	IHHTSMS400	1020.00	3 N
C - 2	Central	TTS	400 A	IHHTTS0400	1165.00	1 N
			500 A	IHHTTS0500	1165.00	
C - 2	Central	TTM	400 A	IHHTTM0400	1580.00	
			500 A	IHHTTM0500	1580.00	
C - 2	Central	TLM	630 A	IHHTLM0630	2070.00	1 N
C - 2	Central	TLM	800 A	IHHTLM0800	2305.00	1 N



DIN Type - 80 kA, 415 V

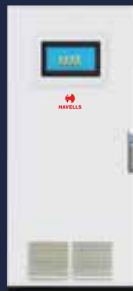
HSN Code: 8536

IS Size	Rating (A)	Item Code	Per Unit LP (₹)	STD Packing No. of unit/s	
	6 A	IHHCD11006	275.00	3 N	
	10 A	IHHCD11010	275.00		
	16 A	IHHCD11016	275.00		
	20 A	IHHCD11020	275.00		
	25 A	IHHCD11025	275.00		
000	32 A	IHHCD11032	275.00	3 N	
	40 A	IHHCD11040	280.00		
	50 A	IHHCD11050	280.00		
	63 A	IHHCD11063	280.00		
	80 A	IHHCD11080	280.00		
	100 A	IHHCD11100	280.00	3 N	
	6 A	IHHCD00006	290.00		
	10 A	IHHCD00010	290.00		
	16 A	IHHCD00016	290.00		
	20 A	IHHCD00020	290.00		
	25 A	IHHCD00025	290.00		
	32 A	IHHCD00032	290.00		
00	40 A	IHHCD00040	300.00		3 N
	50 A	IHHCD00050	300.00		
	63 A	IHHCD00063	300.00		
	80 A	IHHCD00080	325.00		
	100 A	IHHCD00100	325.00		
	125 A	IHHCD00125	380.00	3 N	
	160 A	IHHCD00160	400.00		
	32 A	IHHCD01032	590.00		
	40 A	IHHCD01040	590.00		
	50 A	IHHCD01050	590.00		
	63 A	IHHCD01063	590.00	3 N	
	80 A	IHHCD01080	590.00		
01	100 A	IHHCD01100	590.00		
	125 A	IHHCD01125	590.00		
	160 A	IHHCD01160	600.00		3 N
	200 A	IHHCD01200	600.00		
	250 A	IHHCD01250	695.00		
	200 A	IHHCD02200	910.00		
	250 A	IHHCD02250	910.00	1 N	
02	315 A	IHHCD02315	910.00	1 N	
	350 A	IHHCD02350	980.00		
	400 A	IHHCD02400	980.00		
	425 A	IHHCD03425	1380.00	1 N	
03	500 A	IHHCD03500	1405.00	1 N	
	630 A	IHHCD03630	1405.00		

Comprehensive Power Solutions



IOT Based / GSM
IPFC RELAY



AHFX System
ACTIVE HARMONIC FILTER



Harmonic Duty (MPP, APP,
Mixed Dielectric & GAS Filled)
POWER CAPACITOR & MFD



High PIV
Thyristor Switch



LOAD FLOW & HARMONICS ANALYSIS



High Linearity
HD DETUNED REACTOR



High Linearity
BROAD BAND FILTER



(Contactor + Thyristor Switching)
APFC PANEL

**For more details on load flow analysis
Please contact nearest Havells branch**

SecuRite APFCS - Automatic Power Factor Correction Panel

IEC: 61921/ IS: 8623 / IS: 16636

HSN Code: 8537

Rating kVAr	Cat. Code	Description	Per Unit LP (₹)
10 kVAr	QHKTCB5010X0	10 kVAr / 415 V SecuRite APFC Panel CYCAP	57090.00
12 kVAr	QHKTCB5012X0	12 kVAr / 415 V SecuRite APFC Panel CYCAP	63432.00
15 kVAr	QHKTCB5015X0	15 kVAr / 415 V SecuRite APFC Panel CYCAP	79288.00
25 kVAr	QHKTCB5025X0	25 kVAr / 415 V SecuRite APFC Panel CYCAP	132144.00
30 kVAr	QHKTCB5030X0	30 kVAr / 415 V SecuRite APFC Panel CYCAP	137007.00
50 kVAr	QHKTCB5050X0	50 kVAr / 415 V SecuRite APFC Panel CYCAP	165784.00
75 kVAr	QHKTCB5075X0	75 kVAr / 415 V SecuRite APFC Panel CYCAP	248675.00
100 kVAr	QHKTCB5100X0	100 kVAr / 415 V SecuRite APFC Panel CYCAP	299850.00
125 kVAr	QHKTCB5125X0	125 kVAr / 415 V SecuRite APFC Panel CYCAP	360398.00
150 kVAr	QHKTCB5150X0	150 kVAr / 415 V SecuRite APFC Panel CYCAP	432480.00
175 kVAr	QHKTCB5175X0	175 kVAr / 415 V SecuRite APFC Panel CYCAP	504561.00
200 kVAr	QHKTCB5200X0	200 kVAr / 415 V SecuRite APFC Panel CYCAP	564625.00
225 kVAr	QHKTCB5225X0	225 kVAr / 415 V SecuRite APFC Panel CYCAP	635204.00
250 kVAr	QHKTCB5250X0	250 kVAr / 415 V SecuRite APFC Panel CYCAP	705783.00
275 kVAr	QHKTCB5275X0	275 kVAr / 415 V SecuRite APFC Panel CYCAP	776362.00
300 kVAr	QHKTCB5300X0	300 kVAr / 415 V SecuRite APFC Panel CYCAP	828916.00
325 kVAr	QHKTCB5325X0	325 kVAr / 415 V SecuRite APFC Panel CYCAP	897992.00
350 kVAr	QHKTCB5350X0	350 kVAr / 415 V SecuRite APFC Panel CYCAP	967069.00
Rated Voltage 415 Vac, 3ø, 50 Hz, Delta Connection, Super Heavy Duty Square Cap Capacitor			
100 kVAr	QHKTMB5100X0	100 kVAr / 415 V SecuRite APFC Panel SQCAP	337337.00
125 kVAr	QHKTMB5125X0	125 kVAr / 415 V SecuRite APFC Panel SQCAP	405449.00
150 kVAr	QHKTMB5150X0	150 kVAr / 415 V SecuRite APFC Panel SQCAP	486535.00
175 kVAr	QHKTMB5175X0	175 kVAr / 415 V SecuRite APFC Panel SQCAP	567629.00
200 kVAr	QHKTMB5200X0	200 kVAr / 415 V SecuRite APFC Panel SQCAP	636706.00
225 kVAr	QHKTMB5225X0	225 kVAr / 415 V SecuRite APFC Panel SQCAP	716291.00
250 kVAr	QHKTMB5250X0	250 kVAr / 415 V SecuRite APFC Panel SQCAP	795883.00
275 kVAr	QHKTMB5275X0	275 kVAr / 415 V SecuRite APFC Panel SQCAP	875468.00
300 kVAr	QHKTMB5300X0	300 kVAr / 415 V SecuRite APFC Panel SQCAP	937033.00
325 kVAr	QHKTMB5325X0	325 kVAr / 415 V SecuRite APFC Panel SQCAP	1015124.00
350 kVAr	QHKTMB5350X0	350 kVAr / 415 V SecuRite APFC Panel SQCAP	1093205.00
Rated Voltage 415 Vac, 3ø, 50 Hz, Delta Connection, Super Heavy Duty Square Cap Capacitor with Detuned Reactor (Aluminium)			
100 kVAr	QHKTEB5100X0	100 kVAr / 415 V SecuRite APFC Panel SQCAP DTR	448144.00
125 kVAr	QHKTEB5125X0	125 kVAr / 415 V SecuRite APFC Panel SQCAP DTR	495548.00
150 kVAr	QHKTEB5150X0	150 kVAr / 415 V SecuRite APFC Panel SQCAP DTR	594661.00
175 kVAr	QHKTEB5175X0	175 kVAr / 415 V SecuRite APFC Panel SQCAP DTR	693765.00
200 kVAr	QHKTEB5200X0	200 kVAr / 415 V SecuRite APFC Panel SQCAP DTR	780861.00
225 kVAr	QHKTEB5225X0	225 kVAr / 415 V SecuRite APFC Panel SQCAP DTR	878472.00
250 kVAr	QHKTEB5250X0	250 kVAr / 415 V SecuRite APFC Panel SQCAP DTR	976082.00
275 kVAr	QHKTEB5275X0	275 kVAr / 415 V SecuRite APFC Panel SQCAP DTR	1073684.00
300 kVAr	QHKTEB5300X0	300 kVAr / 415 V SecuRite APFC Panel SQCAP DTR	1153277.00
325 kVAr	QHKTEB5325X0	325 kVAr / 415 V SecuRite APFC Panel SQCAP DTR	1249377.00
350 kVAr	QHKTEB5350X0	350 kVAr / 415 V SecuRite APFC Panel SQCAP DTR	1345485.00

Other Ratings on request

Thyristor Switching Panel

Rating kVAr	Cat. Code	Description	Per Unit LP (₹)
10 kVAr -1000 kVAr	-	10 kVAr -1000 kVAr Thyristor Switching Panel	Price on Request

Accessories for APFCS Panel Installation Current Transformers

IS: 2705 / IEC: 60044

HSN Code: 8504

Rating	Code	Description	Class / VA Burden	MOQ	Per Unit LP (₹)
25 A / 5 A	QSCMLX0002	CT 25/5A CL1 5 VA Spare	1.0 / 5 VA	3	908.00
50 A / 5 A	QSCML0137	CT 50/5A CL1 5 VA Spare	1.0 / 5 VA	3	918.00
75 A / 5 A	QSCMLX0003	CT 75/5A CL1 5 VA Spare	1.0 / 5 VA	3	929.00
100 A / 5 A	QSCFBOL001	CT 100/5A CL1 5 VA Spare	1.0 / 5 VA	3	945.00
150 A / 5 A	QSCML0138	CT 150/5A CL1 5 VA Spare	1.0 / 5 VA	3	955.00
200 A / 5 A	QSCML0139	CT 200/5A CL1 5 VA Spare	1.0 / 5 VA	3	976.00
250 A / 5 A	QSCML00102	CT 250/5A CL1 5 VA Spare	1.0 / 5 VA	3	987.00
300 A / 5 A	QSCML0140	CT 300/5A CL1 5 VA Spare	1.0 / 5 VA	3	1092.00
400 A / 5 A	QSCML0122	CT 400/5A CL1 5 VA Spare	1.0 / 5 VA	3	1102.00
450 A / 5 A	QSCML0141	CT 450/5A CL1 5 VA Spare	1.0 / 5 VA	3	1118.00
500 A / 5 A	QSCMLX0004	CT 500/5A CL1 5 VA Spare	1.0 / 5 VA	3	1128.00
600 A / 5 A	QSCML0142	CT 600/5A CL1 5 VA Spare	1.0 / 5 VA	3	1139.00
800 A / 5 A	QSCML0125	CT 800/5A CL1 5 VA Spare	1.0 / 5 VA	3	1149.00
1000 A / 5 A	QSCML0143	CT 1000/5A CL1 5 VA Spare	1.0 / 5 VA	3	1165.00



Other Ratings on request

Intelligent Power Factor Controller

IEC: 61010-1

IPFC (Single CT Sensing)

HSN Code: 9032

Range:

08, 12 and 16 Steps
7 segment LED display
Size: 144 mm x 144 mm

Features:

- Auxiliary supply 90 Vac - 550 Vac
- Intelligent Power Factor Algorithm
- Dual Password Protection
- 4 digit display (0.XXX) PF
- Alarm Indication on Display
- Switching time programmable 1 s to 180 s

Range:

06, 08 and 12 Steps
LCD display
Size: 96 mm x 96 mm

Features:

- Auxiliary supply 90 Vac - 550 Vac
- Advance 32 bit Micro Controller Base Processing
- Intelligent Power Factor Algorithm
- With communication facility RS 485 (Optional)
- Alarm Indication on Display
- Switching time programmable 1 s to 600 s

IPFC (Three CT Sensing)

Range:

08, 12 and 14 Steps
LCD display
Relay output
Size: 144 mm x 144 mm

Features:

- LCD Type with dual colour backlight
- Auxiliary supply 90 Vac - 550 Vac
- Dual Password Protection
- Automatic CT Polarity detection
- NTC Temperature Sensor
- Communication Interface RS 485 & ModBus RTU (Only for 12 Relay option)
- Power Factor Measurement Range: 0.8 lag to 0.8 lead

Range:

08, 12 & 16 Steps
LCD display
Relay / Thyristor output
Size: 144 mm x 144 mm

Features:

- Advance Micro-Controller based logic
- LCD Type with colour backlight
- Auxiliary supply 90 Vac- 550 Vac
- Data logging facility (optional)
- Automatic CT Polarity detection
- Communication Interface RS485 & ModBus RTU GSM / WiFi
- Power Factor Measurement Range: 0.8 lag to 0.8 lead



Steps	Item Code	Description	Standard Pack No of unit/s	Master Pack No of unit/s	Per Unit LP (₹)
Intelligent Power Factor Controller (IPFC CS- 1001) 1 CT					
8	QHOSBS5N0008	IPFC CS 1001-108-90 V / 550 Vac 144 x 144	1 N	5 N	9476.00
12	QHOSBS5N0012	IPFC CS 1001-112-90 V / 550 Vac 144 x 144	1 N	5 N	10532.00
Intelligent Power Factor Controller (IPFC CS- 1003) 3 CT					
8	QHOTBS5H0008	IPFC CS 1003-308-90 V / 550 Vac 144 x 144	1 N	5 N	16847.00
12	QHOTBS5H0012	IPFC CS 1003-312-90 V / 550 Vac 144 x 144	1 N	5 N	18953 .00
8/12		IPFC CS 96 x 96	1 N	5 N	Price on request
Intelligent Power Factor Controller (Intello) 1CT					
8	QHOSBS5*	IPFC CS 96 x 96	1 N	5 N	8790.00
12	QHOSBS5*	IPFC CS 96 x 96	1 N	20 N	9500.00
Intelligent Power Factor Controller (3CT with GSM / WiFi)					
8/12/16		IPFC CS	1 N	1 N	Price on request

Manufactured by Swiss Technology



Power Capacitors					
Parameters	Splendid Duty	Heavy Duty Plus	Super Heavy Duty / SHD Plus	Ultra Heavy Duty	Ultra Heavy Duty
Type	MPP	MPP	MPP	APP	Mixed Di-electric
Over Current withstand capacity upto	1.6 X Ir	2.4 X Ir	3.2 X Ir / 3.0 X Ir	4.0 X Ir	5.0 X Ir
Peak Inrush Current Withstand Capacity upto	250 times	350 times	500 times / 500 times	525 times	550 times
Losses	0.2 W / kVAr	0.2 W / kVAr	0.2 W / kVAr	0.5 W / kVAr	0.5 W / kVAr
No of switching per year	35000	52500	65000 / 80000	125000	135000
Max Ambient Temp (°C)	55	60	65	70	75
Operating life in hours	120000	215000	250000 / 300000	325000	400000
Notch Shield	Yes	Yes	Yes	Yes	Yes
Over pressure Disconnecter	Yes	Yes	Yes	-	-
Triple Safety	Yes	Yes	Yes	Yes	Yes

Torrent - Splendid Duty Cylindrical Capacitors

Rating kVAr	Item Code	Description	Ir A	C μF	Standard Pack No of unit/s	Master Pack No of unit/s	Per Unit LP (₹)
Rated Voltage 440 Vac, 3ø, 50 Hz, Delta Connection							
1 kVAr	QHUTCC5001X0	Torrent 440 V 50 Hz-1 kVAr 3 PH	1.31	3 X 5.5	1 N	16 N	180.00
2 kVAr	QHUTCC5002X0	Torrent 440 V 50 Hz-2 kVAr 3 PH	2.62	3 X 11.0	1 N	16 N	326.00
3 kVAr	QHUTCC5003X0	Torrent 440 V 50 Hz-3 kVAr 3 PH	3.94	3 X 16.4	1 N	16 N	492.00
4 kVAr	QHUTCC5004X0	Torrent 440 V 50 Hz-4 kVAr 3 PH	5.25	3 X 21.9	1 N	16 N	656.00
5 kVAr	QHUTCC5005X0	Torrent 440 V 50 Hz-5 kVAr 3 PH	6.56	3 X 27.4	1 N	16 N	820.00
6 kVAr	QHUTCC5006X0	Torrent 440 V 50 Hz-6 kVAr 3 PH	7.87	3 X 32.9	1 N	8 N	984.00
7.5 kVAr	QHUTCC5007X5	Torrent 440 V 50 Hz-7.5 kVAr 3P H	9.84	3 X 41.1	1 N	8 N	1230.00
10 kVAr	QHUTCC5010X0	Torrent 440 V 50 Hz-10 kVAr 3 PH	13.12	3 X 54.8	1 N	8 N	1640.00
12.5 kVAr	QHUTCC5012X5	Torrent 440 V 50 Hz-12.5 kVAr 3 PH	16.40	3 X 68.5	1 N	8 N	2050.00
15 kVAr	QHUTCC5015X0	Torrent 440 V 50 Hz-15 kVAr 3 PH	19.68	3 X 82.2	1 N	4 N	2460.00
20 kVAr	QHUTCC5020X0	Torrent 440 V 50 Hz-20 kVAr 3 PH	26.24	3 X 109.6	1 N	4 N	3280.00
25 kVAr	QHUTCC5025X0	Torrent 440 V 50 Hz-25 kVAr 3 PH	32.80	3 X 137.0	1 N	4 N	4100.00
30 kVAr	QHUTCC5030X0	Torrent 440 V 50 Hz-30 kVAr 3 PH	39.37	3 X 164.4	1 N	4 N	4920.00

Warrior - Super Heavy Duty Cylindrical Capacitors

Rating kVAr	Item Code	Description	Ir A	C μF	Standard Pack No of unit/s	Master Pack No of unit/s	Per Unit LP (₹)
Rated Voltage 440 Vac, 3ø, 50 Hz, Delta Connection							
1 kVAr	QHBTC5001X0	Warrior Super Heavy Duty 440 V 50 Hz 1 kVAr 3 PH	1.31	3 X 5.5	1 N	16 N	295.00
2 kVAr	QHBTC5002X0	Warrior Super Heavy Duty 440 V 50 Hz 2 kVAr 3 PH	2.62	3 X 11.0	1 N	16 N	504.00
3 kVAr	QHBTC5003X0	Warrior Super Heavy Duty 440 V 50 Hz 3 kVAr 3 PH	3.94	3 X 16.4	1 N	16 N	756.00
4 kVAr	QHBTC5004X0	Warrior Super Heavy Duty 440 V 50 Hz 4 kVAr 3 PH	5.25	3 X 21.9	1 N	16 N	1008.00
5 kVAr	QHBTC5005X0	Warrior Super Heavy Duty 440 V 50 Hz 5 kVAr 3 PH	6.56	3 X 27.4	1 N	16 N	1260.00
6 kVAr	QHBTC5006X0	Warrior Super Heavy Duty 440 V 50 Hz 7.5 kVAr 3 PH	7.87	3 X 32.9	1 N	8 N	1512.00
7.5 kVAr	QHBTC5007X5	Warrior Super Heavy Duty 440 V 50 Hz 6 kVAr 3 PH	9.84	3 X 41.1	1 N	8 N	1890.00
8 kVAr	QHBTC5008X0	Warrior Super Heavy Duty 440 V 50 Hz 8 kVAr 3 PH	10.50	3 X 43.8	1 N	8 N	2016.00
10 kVAr	QHBTC5010X0	Warrior Super Heavy Duty 440 V 50 Hz 10 kVAr 3 PH	13.12	3 X 54.8	1 N	4 N	2520.00
12.5 kVAr	QHBTC5012X5	Warrior Super Heavy Duty 440 V 50 Hz 12.5 kVAr 3 PH	16.40	3 X 68.5	1 N	4 N	3150.00
15 kVAr	QHBTC5015X0	Warrior Super Heavy Duty 440 V 50 Hz 15 kVAr 3 PH	19.68	3 X 82.2	1 N	4 N	3780.00
20 kVAr	QHBTC5020X0	Warrior Super Heavy Duty 440 V 50 Hz 20 kVAr 3 PH	26.24	3 X 109.6	1 N	4 N	5040.00
25 kVAr	QHBTC5025X0	Warrior Super Heavy Duty 440 V 50 Hz 25 kVAr 3 PH	32.80	3 X 137.0	1 N	4 N	6300.00
Rated Voltage 480 Vac, 3ø, 50 Hz, Delta Connection							
5 kVAr	QHBTC5005X0	Warrior Super Heavy Duty 480 V 50 Hz 5 kVAr 3 PH	6.01	3 x 23.0	1 N	16 N	1300.00
7.5 kVAr	QHBTC5007X5	Warrior Super Heavy Duty 480 V 50 Hz 7.5 kVAr 3 PH	9.02	3 x 34.5	1 N	8 N	1950.00
10 kVAr	QHBTC5010X0	Warrior Super Heavy Duty 480 V 50 Hz 10 kVAr 3 PH	12.03	3 x 46.0	1 N	4 N	2600.00
12.5 kVAr	QHBTC5012X5	Warrior Super Heavy Duty 480 V 50 Hz 12.5 kVAr 3 PH	15.04	3 x 57.6	1 N	4 N	3250.00
15 kVAr	QHBTC5015X0	Warrior Super Heavy Duty 480 V 50 Hz 15 kVAr 3 PH	18.04	3 x 69.1	1 N	4 N	3900.00
20 kVAr	QHBTC5020X0	Warrior Super Heavy Duty 480 V 50 Hz 20 kVAr 3 PH	24.06	3 x 92.1	1 N	4 N	5200.00
25 kVAr	QHBTC5025X0	Warrior Super Heavy Duty 480 V 50 Hz 25 kVAr 3 PH	30.07	3 x 115.1	1 N	4 N	6500.00
Rated Voltage 525 Vac, 3ø, 50 Hz, Delta Connection							
5 kVAr	QHBTCF5005X0	Warrior Super Heavy Duty 525 V 50 Hz 5 kVAr 3 PH	5.50	3 X 19.2	1 N	16 N	1300.00
7.5 kVAr	QHBTCF5007X5	Warrior Super Heavy Duty 525 V 50 Hz 7.5 kVAr 3 PH	8.25	3 X 28.9	1 N	8 N	1950.00
10 kVAr	QHBTCF5010X0	Warrior Super Heavy Duty 525 V 50 Hz 10 kVAr 3 PH	13.75	3 X 48.1	1 N	4 N	2600.00
12.5 kVAr	QHBTCF5012X5	Warrior Super Heavy Duty 525 V 50 Hz 12.5 kVAr 3 PH	14.52	3 X 50.8	1 N	4 N	3250.00
15 kVAr	QHBTCF5015X0	Warrior Super Heavy Duty 525 V 50 Hz 15 kVAr 3 PH	18.37	3 X 64.3	1 N	4 N	3900.00
20 kVAr	QHBTCF5020X0	Warrior Super Heavy Duty 525 V 50 Hz 20 kVAr 3 PH	29.14	3 X 102.0	1 N	4 N	5200.00
25 kVAr	QHBTCF5025X0	Warrior Super Heavy Duty 525 V 50 Hz 25 kVAr 3 PH	27.50	3 x 96.25	1 N	4 N	6500.00

Other Ratings on request

Super Heavy Duty MPP Capacitors - Gas Filled

Rating kVAr	Cat. Code	Description	Per Unit LP (₹)
Available in Voltage 440 V / 480 V / 525 Vac, 3ø, 50 Hz, Delta Connection			
0.5 kVAr to 50 kVAr		Super Heavy Duty Capacitor - MPP Gas Filled	Price on request

Mini Master / Master - Splendid Duty Square Capacitors

HSN Code: 8532

(IS: 13340 / IEC: 60831)

Rating kVAr	Item Code	Description	I A	C µF	Standard Pack No of unit/s	Master Pack No of unit/s	Per Unit LP (₹)
Rated Voltage 440 Vac, 3ø, 50 Hz, Delta Connection							
1 kVAr	QHNTMC5001X0	Mini Master 440 V 50 Hz-1 kVAr 3 PH	1.31	3 x 5.5	1 N	30 N	300.00
2 kVAr	QHNTMC5002X0	Mini Master 440 V 50 Hz-2 kVAr 3 PH	2.62	3 x 11.0	1 N	30 N	450.00
3 kVAr	QHNTMC5003X0	Mini Master 440 V 50 Hz-3 kVAr 3 PH	3.94	3 x 16.4	1 N	24 N	675.00
kVAr 4	QHNTMC5004X0	Mini Master 440 V 50 Hz-4 kVAr 3 PH	5.25	3 x 21.9	1 N	24 N	900.00
kVAr 5	QHNTMC5005X0	Mini Master 440 V 50 Hz-5 kVAr 3 PH	6.56	3 x 27.4	1 N	24 N	1050.00
6 kVAr	QHNTMC5006X0	Master 440 V 50 Hz-6 kVAr 3 PH	7.87	3 x 32.9	1 N	1 N	1260.00
7.5 kVAr	QHNTMC5007X5	Master 440 V 50 Hz-7.5 kVAr 3 PH	9.84	3 x 41.1	1 N	1 N	1575.00
8 kVAr	QHNTMC5008X0	Master 440 V 50 Hz-8 kVAr 3 PH	10.5	3 x 43.8	1 N	1 N	1680.00
10 kVAr	QHNTMC5010X0	Master 440 V 50 Hz-10 kVAr 3 PH	13.12	3 x 54.8	1 N	1 N	2100.00
12.5 kVAr	QHNTMC5012X5	Master 440 V 50 Hz-12.5 kVAr 3 PH	16.40	3 x 68.5	1 N	1 N	2625.00
15 kVAr	QHNTMC5015X0	Master 440 V 50 Hz-15 kVAr 3 PH	19.68	3 x 82.2	1 N	1 N	3150.00
20 kVAr	QHNTMC5020X0	Master 440 V 50 Hz-20 kVAr 3 PH	26.24	6 x 54.8	1 N	1 N	4200.00
25 kVAr	QHNTMC5025X0	Master 440 V 50 Hz-25 kVAr 3 PH	32.80	6 x 68.5	1 N	1 N	5250.00
30 kVAr	QHNTMC5030X0	Master 440 V 50 Hz-30 kVAr 3 PH	39.37	6 x 82.2	1 N	1 N	6300.00
50 kVAr	QHNTMC5050X0	Master 440 V 50 Hz-50 kVAr 3 PH	65.61	12 x 68.5	1 N	1 N	10500.00

Other Ratings on request

Champ - Heavy Duty Plus Square Capacitors

HSN Code: 8532

(IS: 13340 / IEC: 60831)

Rating kVAr	Item Code	Description	I _r A	C µF	Standard Pack No of unit/s	Master Pack No of unit/s	Per Unit LP (₹)
Rated Voltage 440 Vac, 3ø, 50 Hz, Delta Connection							
1 kVAr	QHBTMC5001X0	Champ 440 V 50 Hz-1 kVAr 3 PH	1.31	3 x 5.5	1 N	30 N	330.00
2 kVAr	QHBTMC5002X0	Champ 440 V 50 Hz-2 kVAr 3 PH	2.62	3 x 11.0	1 N	30 N	600.00
3 kVAr	QHBTMC5003X0	Champ 440 V 50 Hz-3 kVAr 3 PH	3.94	3 x 16.4	1 N	24 N	900.00
4 kVAr	QHBTMC5004X0	Champ 440 V 50 Hz-4 kVAr 3 PH	5.25	3 x 21.9	1 N	24 N	1200.00
5 kVAr	QHBTMC5005X0	Champ 440 V 50 Hz-5 kVAr 3 PH	6.56	3 x 27.4	1 N	1 N	1450.00
6 kVAr	QHBTMC5006X0	Champ 440 V 50 Hz-6 kVAr 3 PH	7.87	3 x 32.9	1 N	1 N	1740.00
7.5 kVAr	QHBTMC5007X5	Champ 440 V 50 Hz-7.5 kVAr 3 PH	9.84	3 x 41.1	1 N	1 N	2175.00
8 kVAr	QHBTMC5008X0	Champ 440 V 50 Hz-8 kVAr 3 PH	10.50	3 x 43.8	1 N	1 N	2320.00
10 kVAr	QHBTMC5010X0	Champ 440 V 50 Hz-10 kVAr 3 PH	13.12	3 x 54.8	1 N	1 N	2900.00
12.5 kVAr	QHBTMC5012X5	Champ 440 V 50 Hz-12.5 kVAr 3 PH	16.40	3 x 68.5	1 N	1 N	3625.00
15 kVAr	QHBTMC5015X0	Champ 440 V 50 Hz-15 kVAr 3 PH	19.68	3 x 82.2	1 N	1 N	4350.00
20 kVAr	QHBTMC5020X0	Champ 440 V 50 Hz-20 kVAr 3 PH	26.24	6 x 54.8	1 N	1 N	5800.00
25 kVAr	QHBTMC5025X0	Champ 440 V 50 Hz-25 kVAr 3PH	32.80	6 x 68.5	1 N	1 N	7250.00
30 kVAr	QHBTMC5030X0	Champ 440 V 50 Hz-30 kVAr 3 PH	39.37	6 x 82.2	1 N	1 N	8700.00
50 kVAr	QHBTMC5050X0	Champ 440 V 50 Hz-50 kVAr 3 PH	65.61	12 x 68.5	1 N	1 N	15250.00
75 kVAr	QHBTMC5075X0	Champ 440 V 50 Hz-75 kVAr 3 PH	98.40	18 x 68.5	1 N	1 N	22875.00
100 kVAr	QHBTMC5100X0	Champ 440 V 50 Hz-100 kVAr 3 PH	131.22	24 x 68.5	1 N	1 N	30500.00

Champ - Heavy Duty Plus Square Capacitors

HSN Code: 8532

(IS: 13340 / IEC: 60831)

Rating kVAr	Item Code	Description	I _r A	C μF	Standard Pack No of unit/s	Master Pack No of unit/s	Per Unit LP (₹)
Rated Voltage 480 Vac, 3ø, 50 Hz, Delta Connection							
5 kVAr	QHBTMD5005X0	Champ 480 V 50 Hz-5 kVAr 3 PH	6.01	3 x 23	1 N	1 N	1575.00
6 kVAr	QHBTMD5006X0	Champ 480 V 50 Hz-6 kVAr 3 PH	7.22	3 x 27.6	1 N	1 N	1890.00
7.5 kVAr	QHBTMD5007X5	Champ 480 V 50 Hz-7.5 kVAr 3 PH	9.02	3 x 34.5	1 N	1 N	2362.50
10 kVAr	QHBTMD5010X0	Champ 480 V 50 Hz-10 kVAr 3 PH	12.03	3 x 46.0	1 N	1 N	3150.00
12.5 kVAr	QHBTMD5012X5	Champ 480 V 50 Hz-12.5 kVAr 3 PH	15.04	3 x 57.6	1 N	1 N	3937.00
15 kVAr	QHBTMD5015X0	Champ 480 V 50 Hz-15 kVAr 3 PH	18.04	3 x 69.1	1 N	1 N	4725.00
20 kVAr	QHBTMD5020X0	Champ 480 V 50 Hz-20 kVAr 3 PH	24.06	6 X 46.0	1 N	1 N	6300.00
25 kVAr	QHBTMD5025X0	Champ 480 V 50 Hz-25 kVAr 3 PH	30.07	6 X 57.6	1 N	1 N	7875.00
30 kVAr	QHBTMD5030X0	Champ 480 V 50 Hz-30 kVAr 3 PH	36.09	6 X 69.1	1 N	1 N	9450.00
50 kVAr	QHBTMD5050X0	Champ 480 V 50 Hz-50 kVAr 3 PH	60.14	12 X 57.6	1 N	1 N	15750.00
60 kVAr	QHBTMD5060X0	Champ 480 V 50 Hz-60 kVAr 3 PH	72.18	12 X 69.1	1 N	1 N	18900.00
Rated Voltage 525 Vac, 3ø, 50 Hz, Delta Connection							
5 kVAr	QHBTMF5005X0	Champ 525 V 50 Hz-5 kVAr 3 PH	5.50	3 X 19.2	1 N	1 N	1575.00
6 kVAr	QHBTMF5006X0	Champ 525 V 50 Hz-6 kVAr 3 PH	6.60	3 X 23.1	1 N	1 N	1890.00
7.5 kVAr	QHBTMF5007X5	Champ 525 V 50 Hz-7.5 kVAr 3 PH	8.25	3 X 28.9	1 N	1 N	2362.50
10 kVAr	QHBTMF5010X0	Champ 525 V 50 Hz-10 kVAr 3 PH	11.00	3 X 38.5	1 N	1 N	3150.00
12.5 kVAr	QHBTMF5012X5	Champ 525 V 50 Hz-12.5 kVAr 3 PH	13.75	3 X 48.1	1 N	1 N	3937.00
15 kVAr	QHBTMF5015X0	Champ 525 V 50 Hz-15 kVAr 3 PH	16.50	3 X 57.7	1 N	1 N	4725.00
20 kVAr	QHBTMF5020X0	Champ 525 V 50 Hz-20 kVAr 3 PH	21.99	6 X 38.5	1 N	1 N	6300.00
25 kVAr	QHBTMF5025X0	Champ 525 V 50 Hz-25 kVAr 3 PH	27.49	6 X 48.1	1 N	1 N	7875.00
30 kVAr	QHBTMF5030X0	Champ 525 V 50 Hz-30 kVAr 3 PH	32.99	6 X 57.7	1 N	1 N	9450.00
50 kVAr	QHBTMF5050X0	Champ 525 V 50 Hz-50 kVAr 3 PH	54.99	12 X 48.1	1 N	1 N	16250.00
60 kVAr	QHBTMF5060X0	Champ 525 V 50 Hz-60 kVAr 3 PH	65.98	12 X 57.7	1 N	1 N	19500.00

Champion - Super Heavy Duty (Double Dielectric)
Square Capacitors

Rating kVAr	Item Code	Description	I _r A	C μF	Standard Pack No of unit/s	Master Pack No of unit/s	Per Unit LP (₹)
Rated Voltage 440 Vac, 3ø, 50 Hz, Delta Connection							
1 kVAr	QHSTMC5001X0	Champion 440 V 50 Hz-1 kVAr 3 PH	1.31	3 X 5.5	1 N	24 N	680.00
2 kVAr	QHSTMC5002X0	Champion 440 V 50 Hz-2 kVAr 3 PH	2.62	3 X 11.0	1 N	1 N	1360.00
3 kVAr	QHSTMC5003X0	Champion 440 V 50 Hz-3 kVAr 3 PH	3.94	3 X 16.4	1 N	1 N	2040.00
4 kVAr	QHSTMC5004X0	Champion 440 V 50 Hz-4 kVAr 3 PH	5.25	3 X 21.9	1 N	1 N	2720.00
5 kVAr	QHSTMC5005X0	Champion 440 V 50 Hz-5 kVAr 3 PH	6.56	3 X 27.4	1 N	1 N	2250.00
6 kVAr	QHSTMC5006X0	Champion 440 V 50 Hz-6 kVAr 3 PH	7.87	3 X 32.9	1 N	1 N	2700.00
7.5 kVAr	QHSTMC5007X5	Champion 440 V 50 Hz-7.5 kVAr 3 PH	9.84	3 X 41.1	1 N	1 N	3375.00
8 kVAr	QHSTMC5008X0	Champion 440 V 50 Hz-8 kVAr 3 PH	10.5	3 X 43.8	1 N	1 N	3600.00
10 kVAr	QHSTMC5010X0	Champion 440 V 50 Hz-10 kVAr 3 PH	13.12	3 X 54.8	1 N	1 N	4500.00
12.5 kVAr	QHSTMC5012X5	Champion 440 V 50 Hz-12.5 kVAr 3 PH	16.40	3 X 68.5	1 N	1 N	5625.00
15 kVAr	QHSTMC5015X0	Champion 440 V 50 Hz-15 kVAr 3 PH	19.68	6 X 41.1	1 N	1 N	6750.00
20 kVAr	QHSTMC5020X0	Champion 440 V 50 Hz-20 kVAr 3 PH	26.24	6 X 54.8	1 N	1 N	9000.00
25 kVAr	QHSTMC5025X0	Champion 440 V 50 Hz-25 kVAr 3 PH	32.80	6 X 68.5	1 N	1 N	11250.00
30 kVAr	QHSTMC5030X0	Champion 440 V 50 Hz-30 kVAr 3 PH	39.37	12 X 41.1	1 N	1 N	14100.00
50 kVAr	QHSTMC5050X0	Champion 440 V 50 Hz-50 kVAr 3 PH	65.61	12 X 68.5	1 N	1 N	23500.00
75 kVAr	QHSTMC5075X0	Champion 440 V 50 Hz-75 kVAr 3 PH	98.41	18 X 68.5	1 N	1 N	35250.00
100 kVAr	QHSTMC5100X0	Champion 440 V 50 Hz-100 kVAr 3 PH	131.22	24 X 68.5	1 N	1 N	47000.00

Other Ratings on request

Champion - Super Heavy Duty (Double Dielectric) Square Capacitors

HSN Code: 8532

(IS: 13340 / IEC: 60831)

Rating kVAr	Item Code	Description	Ir A	C μF	Standard Pack No of unit/s	Master Pack No of unit/s	Per Unit LP (₹)
Rated Voltage 480 Vac, 3ø, 50 Hz, Delta Connection							
5 kVAr	QHSTMD5005X0	Champion 480 V 50 Hz-5 kVAr 3 PH	6.01	3 X 23.0	1 N	1 N	2250.00
6 kVAr	QHSTMD5006X0	Champion 480 V 50 Hz-6 kVAr 3 PH	7.22	3 X 27.6	1 N	1 N	2700.00
7.5 kVAr	QHSTMD5007X5	Champion 480 V 50 Hz-7.5 kVAr 3 PH	9.02	3 X 34.5	1 N	1 N	3375.00
10 kVAr	QHSTMD5010X0	Champion 480 V 50 Hz-10 kVAr 3 PH	12.03	3 X 46.0	1 N	1 N	4500.00
12.5 kVAr	QHSTMD5012X5	Champion 480 V 50 Hz-12.5 kVAr 3 PH	15.04	3 X 57.6	1 N	1 N	5625.00
15 kVAr	QHSTMD5015X0	Champion 480 V 50 Hz-15 kVAr 3 PH	18.04	6 X 34.5	1 N	1 N	6750.00
20 kVAr	QHSTMD5020X0	Champion 480 V 50 Hz-20 kVAr 3 PH	24.06	6 X 46.0	1 N	1 N	9000.00
25 kVAr	QHSTMD5025X0	Champion 480 V 50 Hz-25 kVAr 3 PH	30.07	6 X 57.6	1 N	1 N	11250.00
30 kVAr	QHSTMD5030X0	Champion 480 V 50 Hz-30 kVAr 3 PH	36.09	12 X 34.5	1 N	1 N	13800.00
50 kVAr	QHSTMD5050X0	Champion 480 V 50 Hz-50 kVAr 3 PH	60.14	12 X 57.6	1 N	1 N	23000.00
60 kVAr	QHSTMD5060X0	Champion 480 V 50 Hz-60 kVAr 3 PH	72.18	18 X 46.0	1 N	1 N	27600.00
Rated Voltage 525 Vac, 3ø, 50 Hz, Delta Connection							
5 kVAr	QHSTMF5005X0	Champion 525 V 50 Hz-5 kVAr 3 PH	5.50	3 X 19.2	1 N	1 N	2325.00
6 kVAr	QHSTMF5006X0	Champion 525 V 50 Hz-6 kVAr 3 PH	6.60	3 X 23.1	1 N	1 N	2790.00
7.5 kVAr	QHSTMF5007X5	Champion 525 V 50 Hz-7.5 kVAr 3 PH	8.25	3 X 28.9	1 N	1 N	3487.50
10 kVAr	QHSTMF5010X0	Champion 525 V 50 Hz-10 kVAr 3 PH	11.00	3 X 38.5	1 N	1 N	4650.00
12.5 kVAr	QHSTMF5012X5	Champion 525 V 50 Hz-12.5 kVAr 3 PH	13.75	3 X 48.1	1 N	1 N	5812.00
15 kVAr	QHSTMF5015X0	Champion 525 V 50 Hz-15 kVAr 3 PH	16.50	6 X 28.9	1 N	1 N	6975.00
20 kVAr	QHSTMF5020X0	Champion 525 V 50 Hz-20 kVAr 3 PH	21.99	6 X 38.5	1 N	1 N	9300.00
25 kVAr	QHSTMF5025X0	Champion 525 V 50 Hz-25 kVAr 3 PH	27.49	6 X 48.1	1 N	1 N	11625.00
30 kVAr	QHSTMF5030X0	Champion 525 V 50 Hz-30 kVAr 3 PH	33.00	12 X 28.9	1 N	1 N	14310.00
50 kVAr	QHSTMF5050X0	Champion 525 V 50 Hz-50 kVAr 3 PH	54.99	12 X 48.1	1 N	1 N	23850.00
60 kVAr	QHSTMF5060X0	Champion 525 V 50 Hz-60 kVAr 3 PH	66.00	18 X 38.5	1 N	1 N	28620.00

UHDXL - Ultra Heavy Duty APP Capacitors

HSN Code: 8532

(IS: 13585 / IEC: 60931)

Havells make UHDXL Capacitors are APP type and conforms to IS -13585 & IEC -60931. These capacitors are manufactured by double thickness double fold hazy polypropylene film as dielectric. Independent Aluminium foil is used to form electrode and imported high grade oil is used as impregnating and cooling agent. Inbuilt fuses ensures higher extra reliability and offers everlasting safety mechanism. Brass terminals are used for interconnection of the bank.

Rating kVAr	Cat. Code	Description	Per Unit LP (₹)
Available in Voltage 440 V / 480 V / 525 Vac, 3ø, 50 Hz, Delta Connection			
5 kVAr to 15 kVAr	QHQAMC*	Ultra Heavy Duty Cap - APP - 440 V UHDXL	580.00
20 kVAr to 50 kVAr			560.00
5 kVAr to 15 kVAr	QHQAMD*	Ultra Heavy Duty Cap - APP - 480 V UHDXL	610.00
20 kVAr to 50 kVAr			590.00
5 kVAr to 15 kVAr	QHQAMF*	Ultra Heavy Duty Cap - APP - 525 V UHDXL	620.00
20 kVAr to 50 kVAr			600.00



UXDXL - Ultra Heavy Duty Mixed Dielectric

Rating kVAr	Cat. Code	Description	Per Unit LP (₹)
Available in Voltage 440 V / 480 V / 525 Vac, 3ø, 50 Hz, Delta Connection			
1 kVAr to 100 kVAr		Ultra Heavy Duty Capacitor - Mixed Dielectric UXDXL	Price on request



Consulting, Optimizing & Delivering Performance

Reactive Power Solution for Solar Applications



Solar Smartcap Series

HD Harmonic Detuned Reactor

In a practical network, XL is contributed by the transformers and line inductances and XC is contributed by the PF capacitors. Hence for any industry with power factor correction capacitors installed, there is a possibility of resonance, due to one of the following reasons:

- Parallel resonance within a given electrical system, involving internally generated harmonics and resonance between local capacitors and the predominantly inductive supply (transformers)
- Series resonance between external harmonics (in the supply system and capacitors within electrical system)
- Interactive resonance between different harmonics filters within a given electrical network.

Addition of detuned reactors (in series to capacitors) forcefully shifts the resonant frequency to a safer level. For example, combination of capacitor and 7% detuned filter reactor has the resonance frequency of 189 Hz, which will avoid resonance with 5th harmonic and above.

Range:

- Effective Reactor output 1 kVAR to 100 kVAR
- Available in: Copper & Aluminium
- Detuning Factor: 5.67%, 7% and 14% corresponding to tuning Frequencies of 210 Hz, 189 Hz and 133 Hz for the base of 50 Hz
- Rated Voltage: 200 V, 440 V, 690 V, 800 V
- linearity : 185% to 225% of In

Features:

- High linearity 185% to 225%
- Insulation Class H
- High harmonic loading capability
- Temperature protection - NC contact (UL Approved)
- Long expected life time
- Low noise & very low losses
- IEC 61558



Power Quality Solutions & Components

Rating kVAr	Cat. Code	Description	Per Unit LP (₹)
Rated Voltage 440 Vac, F = 50 Hz, P = 7% (Fr = 189 Hz) / Linearity: L > 0.95 Lr for current up to 1.85 . I1 (Aluminium)			
1 kVAr	QHLTLCV001X0	H. D.- REACTOR, 7% , 01 kVAr 440 Vac	3204.00
2 kVAr	QHLTLCV002X0	H. D.- REACTOR, 7% , 02 kVAr 440 Vac	3997.00
3 kVAr	QHLTLCV003X0	H. D.- REACTOR, 7% , 03 kVAr 440 Vac	4790.00
4 kVAr	QHLTLCV004X0	H. D.- REACTOR, 7% , 04 kVAr 440 Vac	5089.00
5 kVAr	QHLTLCV005X0	H. D.- REACTOR, 7% , 05 kVAr 440 Vac	5471.00
10 kVAr	QHLTLCV010X0	H. D.- REACTOR, 7% , 10 kVAr 440 Vac	7767.00
12.5 kVAr	QHLTLCV012X5	H. D.- REACTOR, 7% , 12.5 kVAr 440 Vac	8520.00
15 kVAr	QHLTLCV015X0	H. D.- REACTOR, 7% , 15 kVAr 440 Vac	9115.00
20 kVAr	QHLTLCV020X0	H. D.- REACTOR, 7% , 20 kVAr 440 Vac	10860.00
25 kVAr	QHLTLCV025X0	H. D.- REACTOR, 7% , 25 kVAr 440 Vac	11493.00
50 kVAr	QHLTLCV050X0	H. D.- REACTOR, 7% , 50 kVAr 440 Vac	20153.00
75 kVAr	QHLTLCV075X0	H. D.- REACTOR, 7% , 75 kVAr 440 Vac	26970.00
100 kVAr	QHLTLCV100X0	H. D.- REACTOR, 7% , 100 kVAr 440 Vac	34592.00
Rated Voltage 440 Vac, F = 50 Hz, P = 7% (Fr = 189 Hz) / Linearity: L > 0.95 Lr for current up to 1.85 . I1 (Copper)			
1 kVAr	QHCTLCV001X0	H. D.- REACTOR, 7% , 01 kVAr 440 Vac	4072.00
2 kVAr	QHCTLCV002X0	H. D.- REACTOR, 7% , 02 kVAr 440 Vac	4595.00
3 kVAr	QHCTLCV003X0	H. D.- REACTOR, 7% , 03 kVAr 440 Vac	5258.00
4 kVAr	QHCTLCV004X0	H. D.- REACTOR, 7% , 04 kVAr 440 Vac	6207.00
5 kVAr	QHCTLCV005X0	H. D.- REACTOR, 7% , 05 kVAr 440 Vac	6826.00
10 kVAr	QHCTLCV010X0	H. D.- REACTOR, 7% , 10 kVAr 440 Vac	10731.00
12.5 kVAr	QHCTLCV012X5	H. D.- REACTOR, 7% , 12.5 kVAr 440 Vac	11895.00
15 kVAr	QHCTLCV015X0	H. D.- REACTOR, 7% , 15 kVAr 440 Vac	13174.00
20 kVAr	QHCTLCV020X0	H. D.- REACTOR, 7% , 20 kVAr 440 Vac	15603.00
25 kVAr	QHCTLCV025X0	H. D.- REACTOR, 7% , 25 kVAr 440 Vac	16587.00
50 kVAr	QHCTLCV050X0	H. D.- REACTOR, 7% , 50 kVAr 440 Vac	27262.00
75 kVAr	QHCTLCV075X0	H. D.- REACTOR, 7% , 75 kVAr 440 Vac	39695.00
100 kVAr	QHCTLCV100X0	H. D.- REACTOR, 7% , 100 kVAr 440 Vac	55977.00

Note: *5.67% & 14% reactors are available on request

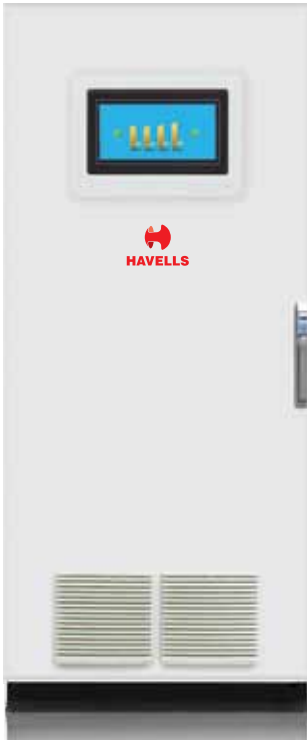
Thyristor Switch

Rating in kVAr	Description	Per Unit LP (₹)
5 kVAr	High PIV Thyristor	Price on Request
10 kVAr	High PIV Thyristor	
12.5 kVAr	High PIV Thyristor	
15 kVAr	High PIV Thyristor	
20 kVAr	High PIV Thyristor	
25 kVAr	High PIV Thyristor	
50 kVAr	High PIV Thyristor	
100 kVAr	High PIV Thyristor	



Active Harmonic Filter and Load Balancer

HSN Code: 8543



Rating in Ampere	Cat No.	Description	Per Unit LP (₹)
10 A	QHXCFC*	10 A / 415 AHF Panel	80000.00
20 A	QHXCFC*	20 A / 415 AHF Panel	160000.00
30 A	QHXCFC*	30 A / 415 AHF Panel	240000.00
50 A	QHXCFC*	50 A / 415 AHF Panel	400000.00
75 A	QHXCFC*	75 A / 415 AHF Panel	600000.00
100 A	QHXCFC*	100 A / 415 AHF Panel	800000.00
125 A	QHXCFC*	125 A / 415 AHF Panel	1000000.00
150 A	QHXCFC*	150 A / 415 AHF Panel	1200000.00
200 A	QHXCFC*	200 A / 415 AHF Panel	1600000.00
250 A	QHXCFC*	250 A / 415 AHF Panel	2000000.00
300 A	QHXCFC*	300 A / 415 AHF Panel	2400000.00
400 A	QHXCFC*	400 A / 415 AHF Panel	3200000.00
500 A	QHXCFC*	500 A / 415 AHF Panel	4000000.00

IEEE 519-2014 Guidelines for Harmonics Limits

Recommended Current Harmonics Limits:

Table 2 - Current distortion limits for systems rated 120 V through 69 kV

Maximum harmonic current distortion in percent of I_L						
Individual harmonic order (odd harmonics) ^{a, b}						
I_{sc}/I_L	$3 \leq h < 11$	$11 \leq h < 17$	$17 \leq h < 23$	$23 \leq h < 35$	$35 \leq h \leq 50$	TDD
<20	4.0	2.0	1.5	0.6	0.3	5.0
20<50	7.0	3.5	2.5	1.0	0.5	8.0
50<100	10.0	4.5	4.0	1.5	0.7	12.0
100<1000	12.0	5.5	5.0	2.0	1.0	15.0
>1000	15.0	7.0	6.0	2.5	1.4	20.0



Active Harmonic Filter + Detuned System
(Hybrid Solution)



Broad Band Filters are the most effective solutions specially for Variable Frequency Drive Applications for the purpose of blocking harmonics and safe operation of the system.

Broad Band Filter and Hybrid PQ Manager

Range	Per Unit LP (₹)
0.5 kW to 1000 kW (Broad Band Filter)	Price on request
10 kVAr to 3000 kVAr (Hybrid PQ Manager)	Price on request



HAVELLS

Agricultural Duty Capacitor



- Range: 1 kVAR to 15 kVAR
- Voltage: 415 V
- MPP SH, Resin filled
- Low watt loss

Note: For Agricultural use only.

Agri Boost - Normal Duty Cylindrical Capacitors for Agriculture Applications



HSN Code: 8532

(IS: 13340)

Rating kVAr	Item Code	Description	Ir A	C μF	Standard Pack No of unit/s	Master Pack No of unit/s	Per Unit LP (₹)
1 kVAr	QHATCB5001X0	AGRI BOOST ND 415 V 50 Hz-1 kVAr 3 PH	1.39	3 x 6.2	1 N	16 N	210.00
2 kVAr	QHATCB5002X0	AGRI BOOST ND 415 V 50 Hz-2 kVAr 3 PH	2.78	3 x 12.3	1 N	16 N	246.00
3 kVAr	QHATCB5003X0	AGRI BOOST ND 415 V 50 Hz-3 kVAr 3 PH	4.17	3 x 18.5	1 N	16 N	369.00
4 kVAr	QHATCB5004X0	AGRI BOOST ND 415 V 50 Hz-4 kVAr 3 PH	5.56	3 x 24.6	1 N	16 N	492.00
5 kVAr	QHATCB5005X0	AGRI BOOST ND 415 V 50 Hz-5 kVAr 3 PH	6.96	3 x 30.8	1 N	16 N	615.00
6 kVAr	QHATCB5006X0	AGRI BOOST ND 415 V 50 Hz-6 kVAr 3 PH	8.35	3 x 37.0	1 N	16 N	738.00
7.5 kVAr	QHATCB5007X5	AGRI BOOST ND 415 V 50 Hz-7.5 kVAr 3 PH	10.43	3 x 46.2	1 N	16 N	922.00
8 kVAr	QHATCB5008X0	AGRI BOOST ND 415 V 50 Hz-8 kVAr 3 PH	11.13	3 x 49.3	1 N	16 N	984.00
10 kVAr	QHATCB5010X0	AGRI BOOST ND 415 V 50 Hz-10 kVAr 3 PH	13.91	3 x 61.6	1 N	16 N	1230.00
12.5 kVAr	QHATCB5012X5	AGRI BOOST ND 415 V 50 Hz-12.5 kVAr 3 PH	17.39	3 x 77.0	1 N	8 N	1537.00
15 kVAr	QHATCB5015X0	AGRI BOOST ND 415 V 50 Hz-15 kVAr 3 PH	20.87	3 x 92.4	1 N	8 N	1845.00

Other Ratings on request

Hercules - Normal Duty Single Phase Cylindrical Capacitors



HSN Code: 8532

(IS: 13340)

Rating kVAr	Item Code	Description	Ir A	C μF	Standard Pack No of unit/s	Master Pack No of unit/s	Per Unit LP (₹)
1 kVAr	QHNSCS5001X0	HERCULES 250 V 50 Hz-1 kVAr 1 PH	4.00	50.92	1 N	16 N	256.00
2 kVAr	QHNSCS5002X0	HERCULES 250 V 50 Hz-2 kVAr 1 PH	8.00	101.84	1 N	16 N	422.00
3 kVAr	QHNSCS5003X0	HERCULES 250 V 50 Hz-3 kVAr 1 PH	12.00	152.76	1 N	16 N	636.00
4 kVAr	QHNSCS5004X0	HERCULES 250 V 50 Hz-4 kVAr 1 PH	16.00	203.68	1 N	16 N	850.00
5 kVAr	QHNSCS5005X0	HERCULES 250 V 50 Hz-5 kVAr 1 PH	16.00	254.61	1 N	16 N	1064.00
1 kVAr	QHNSCB5001X0	HERCULES 415 V 50 Hz-1 kVAr 1 PH	2.41	18.48	1 N	16 N	256.00
2 kVAr	QHNSCB5002X0	HERCULES 415 V 50 Hz-2 kVAr 1 PH	4.62	36.96	1 N	16 N	422.00
3 kVAr	QHNSCB5003X0	HERCULES 415 V 50 Hz-3 kVAr 1 PH	7.23	55.44	1 N	16 N	636.00
4 kVAr	QHNSCB5004X0	HERCULES 415 V 50 Hz-4 kVAr 1 PH	9.64	73.92	1 N	16 N	850.00
5 kVAr	QHNSCB5005X0	HERCULES 415 V 50 Hz-5 kVAr 1 PH	12.05	92.40	1 N	16 N	1064.00
7.5 kVAr	QHNSCB5007X5	HERCULES 415 V 50 Hz-7.5 kVAr 1 PH	18.08	138.60	1 N	8 N	1594.00
10 kVAr	QHNSCB5010X0	HERCULES 415 V 50 Hz-10 kVAr 1 PH	24.10	184.80	1 N	8 N	2123.00

Other Products

ACB



Loadline & HIM MCCB Series



STADx
SMART TECHNOLOGY BREAKERS



Instaprime & Instaline ATS



APFC Panel



Power Capacitor



Active Harmonic Filter



Load Bank



HGS Controlgear



Submersible & Motor Starter



Euroload Changeover Switch



Switch Disconnecter Fuse



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*Proof of purchase to be retained to avail warranty.

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