



HAVELLS

Industrial Switchgear, Controlgear and Power Capacitors



LIST PRICE : w.e.f. 17th August, 2020

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

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Controlgear



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Industrial Switchgear



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Control Relay

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)

Available AC Coil Voltage (Suffix Code)

Code*	B	H	N	S	T	W
AC Voltage	24 V	110 V	240 V	150 V - 300 V	415 V	260 V - 440 V

Available DC Coil Voltage (Suffix Code)

Code*	C	F	K	P
DC Voltage	24 V	48 V	110 V	220 V

3-Pole Power Contactor

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
- High Electrical & Mechanical Life
- Low VA burden Coils
- DIN rail mounting up to 100 A
- Protection degree IP 20

With AC Coil (9 A to 100 A)

HSN Code: 8536

Frame Size	AC-3 Duty Rating at 415 V, 50 Hz			AC-1 Duty Rating at 415 V, 50 Hz	Power Poles	Auxiliary Contact Arrangement		Type	Item Code	Per Unit LP (₹)
	I _g A	kW	HP			NO	NC			
1	9 A	4 kW	5.0 HP	25 A	3	1	0	HGS 9	IHPHA009110*	740.00
	9 A	4 kW	5.0 HP	25 A	3	0	1	HGS 9	IHPHA009101*	740.00
	12 A	5.5 kW	7.5 HP	30 A	3	1	0	HGS 12	IHPHA012110*	860.00
	12 A	5.5 kW	7.5 HP	30 A	3	0	1	HGS 12	IHPHA012101*	860.00
	18 A	9 kW	12.5 HP	40 A	3	1	0	HGS 18	IHPHA018110*	985.00
	18 A	9 kW	12.5 HP	40 A	3	0	1	HGS 18	IHPHA018101*	985.00
2	25 A	11 kW	15 HP	45 A	3	1	0	HGS 25	IHPHA025110*	1175.00
	25 A	11 kW	15 HP	45 A	3	0	1	HGS 25	IHPHA025101*	1175.00
	32 A	15 kW	20 HP	55 A	3	1	0	HGS 32	IHPHA032110*	2660.00
	32 A	15 kW	20 HP	55 A	3	0	1	HGS 32	IHPHA032101*	2660.00
	40 A	22 kW	30 HP	60 A	3	1	0	HGS 40	IHPHA040110*	4000.00
	40 A	22 kW	30 HP	60 A	3	0	1	HGS 40	IHPHA040101*	4000.00
3	50 A	25 kW	35 HP	70 A	3	2	2	HGS 50	IHPHA050300*	4980.00
	65 A	37 kW	50 HP	85 A	3	2	2	HGS 65	IHPHA065300*	6645.00
4	75 A	45 kW	60 HP	110 A	3	2	2	HGS 75	IHPHA075400*	8355.00
	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*	11030.00

*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.

Industrial Switchgear

With DC Coil (9 A to 100 A)

HSN Code: 8536

Frame Size	AC-3 Duty Rating at 415 V, 50 Hz			AC-1 Duty Rating at 415 V, 50 Hz		Power Poles	Auxiliary Contact Arrangement		Type	Item Code	Per Unit LP (₹)
	I _e A	kW	HP	I _{th} A			NO	NC			
1	9 A	4 kW	5.0 HP	25 A	3	1	0		HGS 9	IHPHA009110*	POR
	9 A	4 kW	5.0 HP	25 A	3	0	1		HGS 9	IHPHA009101*	
	12 A	5.5 kW	7.5 HP	30 A	3	1	0		HGS 12	IHPHA012110*	
	12 A	5.5 kW	7.5 HP	30 A	3	0	1		HGS 12	IHPHA012101*	
	18 A	9 kW	12.5 HP	40 A	3	1	0		HGS 18	IHPHA018110*	
	18 A	9 kW	12.5 HP	40 A	3	0	1		HGS 18	IHPHA018101*	
2	25 A	11 kW	15 HP	45 A	3	1	0		HGS 25	IHPHA025210*	
	25 A	11 kW	15 HP	45 A	3	0	1		HGS 25	IHPHA025201*	
	32 A	15 kW	20 HP	55 A	3	1	0		HGS 32	IHPHA032210*	
	32 A	15 kW	20 HP	55 A	3	0	1		HGS 32	IHPHA032201*	
	40 A	22 kW	30 HP	60 A	3	1	0		HGS 40	IHPHA040210*	
	40 A	22 kW	30 HP	60 A	3	0	1		HGS 40	IHPHA040201*	
3	50 A	25 kW	35 HP	70 A	3	2	2		HGS 50	IHPHA050300*	
	65 A	37 kW	50 HP	85 A	3	2	2		HGS 65	IHPHA065300*	
4	75 A	45 kW	60 HP	110 A	3	2	2		HGS 75	IHPHA075400*	
	85 A	45 kW	60 HP	125 A	3	2	2		HGS 85	IHPHA085400*	
	100 A	45 kW	60 HP	135 A	3	2	2		HGS 100	IHPHA100400*	

*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.



Contactor 3 Pole with AC / DC coil (115 A to 800 A)

Features:

- Conforms to IS/IEC 60947-4-1
- Universal coil for AC / DC operations
- Protection degree IP 20
- In built auxiliary 2NO 2NC in HGS115 - HGS800

HSN Code: 8536

Frame Size	AC-3 Duty Rating at 415 V, 50 Hz			AC-1 Duty Rating at 415 V, 50 Hz		Power Poles	Type	Item Code	Per Unit LP (₹)
	I _e A	kW	HP	I _{th} A					
5	115 A	59 kW	75 HP	160 A	3		HGS 115	IHPHA115500*	12420.00
	130 A	75 kW	100 HP	180 A	3		HGS 130	IHPHA130500*	15865.00
	150 A	80 kW	100 HP	210 A	3		HGS 150	IHPHA150500*	16385.00
6	185 A	100 kW	135 HP	275 A	3		HGS 185	IHPHA185600*	21150.00
	225 A	110 kW	150 HP	315 A	3		HGS 225	IHPHA225600*	22325.00
	265 A	132 kW	180 HP	350 A	3		HGS 265	IHPHA265600*	25200.00
7	300 A	150 kW	200 HP	400 A	3		HGS 300	IHPHA300700*	31775.00
	400 A	220 kW	300 HP	500 A	3		HGS 400	IHPHA400700*	37085.00
	500 A	280 kW	380 HP	550 A	3		HGS 500	IHPHA500700*	55265.00
8	630 A	375 kW	500 HP	750 A	3		HGS 630	IHPHA630800*	86220.00
	800 A	450 kW	610 HP	900 A	3		HGS 800	IHPHA800800*	146700.00

*To complete the Cat no. suffix the coil voltage from the coil voltage table (Table-2)

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

Coil Voltage for frame 5 to 8: Table-2

Code*	B	H	M	*N	T
AC Voltage	AC: 24 V ~ 26 V DC: 24 V	AC: 110 V ~ 127 V DC: 100 V ~ 110 V	AC: 220 V ~ 240 V	AC: 100 V ~ 240 V DC: 100 V ~ 220 V	AC : 380 V ~ 450 V

*For HGS 630 A to HGS 800 A

Coil voltage N AC : 200 V ~ 240 V, DC 200 V ~ 220 V

Description	Available Coil Voltage
HGS 115 A to 150 A	B, M, N, T
HGS 185 A to 265 A	B, N, T
HGS 300 A to 500 A	N, T
HGS 630 A to 800 A	H, N, T



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

With AC Coil (16 A to 60 A)

Frame Size	AC 1 Duty	Power Poles	Item Code	Per Unit LP (₹)
Frame 1	16	4NO	IHPHC016100*	955.00
	20	4NO	IHPHC020100*	975.00
	25	4NO	IHPHC025100*	1105.00
	32	4NO	IHPHC032100*	1145.00
Frame 2	40	4NO	IHPHC040100*	1630.00
	50	4NO	IHPHC050200*	2145.00
	60	4NO	IHPHC060200*	4095.00



Available AC Coil Voltage (Suffix Code)

Code*	B	H	S	N	T	W
AC Voltage	24 V	110 V	150 V - 300 V	240 V	415 V	260 V - 440 V

Capacitor Duty Contactor

Features:

- Range : 3 kVAr to 66 kVAr
- Inbuilt 1 NO/NC auxiliary contact
- Low VA burden coils
- Standard accessories in line with HGS range
- High making and breaking frequency 240 cycle per hour
- Handle high inrush current associated with capacitor switching
- Utilization category AC-6b

kVAr Rating AC-6b 415 V / 440 V	Inst. Aux. Contact		Item Code	Per Unit LP (₹)
	NO	NC		
3 kVAr	1	0	IHPHE003110*	1590.00
3 kVAr	0	1	IHPHE003101*	1590.00
5 kVAr	1	0	IHPHE005110*	1680.00
5 kVAr	0	1	IHPHE005101*	1680.00
10 kVAr	1	0	IHPHE010110*	1890.00
10 kVAr	0	1	IHPHE010101*	1890.00
12.5 kVAr	1	0	IHPHE12X110*	2020.00
12.5 kVAr	0	1	IHPHE12X101*	2020.00
15 kVAr	1	0	IHPHE015110*	2495.00
15 kVAr	0	1	IHPHE015101*	2495.00
20 kVAr	1	0	IHPHE020210*	2625.00
20 kVAr	0	1	IHPHE020201*	2625.00
25 kVAr	1	0	IHPHE025210*	2995.00
25 kVAr	0	1	IHPHE025201*	2995.00
33.3 kVAr	1	0	IHPHE33X210*	4495.00
33.3 kVAr	0	1	IHPHE33X201*	4495.00
40 kVAr	2	2	IHPHE040322*	7845.00
50 kVAr	2	2	IHPHE050422*	8670.00
66 kVAr	2	2	IHPHE066422*	10175.00



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

Note: 1. For additional aux. contacts front/side mounted and mechanical interlock - refer accessories table.

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Control Coils

Description	Suitable for Mounting on Contactors	Voltage	Item Code	Per Unit LP (₹)
AC	HGS 9 - HGS 18	24 V	ISSPCU1985	380.00
	HGS 9 - HGS 18	48 V	ISSPCU1986	380.00
	HGS 9 - HGS 18	110 V	ISSPCU1987	380.00
	HGS 9 - HGS 18	240 V	ISSPCU1989	380.00
	HGS 9 - HGS 18	380 V	ISSPCU1992	380.00
	HGS 9 - HGS 18	415 V	ISSPCU2050	380.00
	HGS 9 - HGS 18	150 V - 300 V	Available on Request	POR
	HGS 9 - HGS 18	260 V - 440 V	ISSPCU2134	380.00
DC	HGS 9 - HGS 18	24 V	Available on Request	POR
	HGS 9 - HGS 18	48 V	Available on Request	
	HGS 9 - HGS 18	110 V	Available on Request	
	HGS 9 - HGS 18	220 V	Available on Request	
AC	HGS 25 - HGS 40	24 V	ISSPCU1993	380.00
	HGS 25 - HGS 40	48 V	ISSPCU1994	380.00
	HGS 25 - HGS 40	110 V	ISSPCU1995	380.00
	HGS 25 - HGS 40	240 V	ISSPCU1997	380.00
	HGS 25 - HGS 40	380 V	ISSPCU2000	380.00
	HGS 25 - HGS 40	415 V	ISSPCU2053	380.00
	HGS 25 - HGS 40	150 V - 300 V	Available on Request	POR
	HGS 25 - HGS 40	260 V - 440 V	ISSPCU2135	380.00
DC	HGS 25 - HGS 40	24 V	Available on Request	POR
	HGS 25 - HGS 40	48 V	Available on Request	
	HGS 25 - HGS 40	110 V	Available on Request	
	HGS 25 - HGS 40	220 V	Available on Request	
AC	HGS 50 - HGS 65	24 V	ISSPCU2001	1190.00
	HGS 50 - HGS 65	48 V	ISSPCU2002	1190.00
	HGS 50 - HGS 65	110 V	ISSPCU2003	1190.00
	HGS 50 - HGS 65	240 V	ISSPCU2005	1190.00
	HGS 50 - HGS 65	380 V	ISSPCU2008	1190.00
	HGS 50 - HGS 65	415 V	ISSPCU2007	1190.00
	HGS 50 - HGS 65	150 V - 300 V	Available on Request	POR
	HGS 50 - HGS 65	260 V - 440 V	ISSPCU2136	1190.00
DC	HGS 50 - HGS 65	24 V	Available on Request	POR
	HGS 50 - HGS 65	48 V	Available on Request	
	HGS 50 - HGS 65	110 V	Available on Request	
	HGS 50 - HGS 65	220 V	Available on Request	
AC	HGS 75 - HGS 100	24 V	ISSPCU2009	1370.00
	HGS 75 - HGS 100	48 V	ISSPCU2010	1370.00
	HGS 75 - HGS 100	110 V	ISSPCU2011	1370.00
	HGS 75 - HGS 100	240 V	ISSPCU2013	1370.00
	HGS 75 - HGS 100	380 V	ISSPCU2016	1370.00
	HGS 75 - HGS 100	415 V	ISSPCU2015	1370.00
	HGS 75 - HGS 100	150 V - 300 V	Available on Request	POR
	HGS 75 - HGS 100	260 V - 440 V	ISSPCU2137	1370.00
DC	HGS 75 - HGS 100	24 V	Available on Request	POR
	HGS 75 - HGS 100	48 V	Available on Request	
	HGS 75 - HGS 100	110 V	Available on Request	



Description	Suitable for Mounting on Contactors	Voltage	Item Code	Per Unit LP (₹)
AC / DC	HGS 115 - HGS 150	220 V	ISSPCU1979	3840.00
	HGS 115 - HGS 150	AC : 24 V ~ 26 V ; DC : 24 V	Available on Request	POR
	HGS 115 - HGS 150	AC : 220 V ~ 240 V	ISSPCU1979	3840.00
	HGS 115 - HGS 150	AC : 100 V ~ 240 V ; DC : 100 V ~ 220 V	Available on Request	POR
	HGS 115 - HGS 150	AC : 380 V ~ 450 V		
	HGS 185 - HGS 265	AC : 24 V ~ 26 V ; DC : 24 V		
	HGS 185 - HGS 265	AC : 100 V ~ 240 V ; DC : 100 V ~ 220 V	ISSPCU1980	5480.00
	HGS 185 - HGS 265	AC : 380 V ~ 450 V	Available on Request	POR
	HGS 300 - HGS 500	AC : 100 V ~ 240 V ; DC : 100 V ~ 220 V	ISSPCU1981	7125.00
	HGS 300 - HGS 500	AC : 380 V ~ 450 V	Available on Request	POR
	HGS 630 - HGS 800	AC : 100 V ~ 127 V ; DC : 100 V ~ 110 V		
	HGS 630 - HGS 800	AC : 200 V ~ 240 V ; DC : 200 V ~ 220 V	ISSPCU1982	14610.00
	HGS 630 - HGS 800	AC : 380 V ~ 450 V	Available on Request	POR

Add on Accessories: Mechanical Interlock Unit

HSN Code: 8536

Description	Suitable for Mounting on Contactors	Item Code	Per Unit LP (₹)
Mech Interlock Unit	HGS9-40	ISSPCU1972	675.00
Mech Interlock Unit	HGS50-100	ISSPCU1973	1585.00
Mech Interlock Unit	HGS185/225/265	ISSPCU1974	2805.00
Mech Interlock Unit	HGS630/800	ISSPCU1975	3180.00



Add on Accessories: Auxiliary Contact Block

HSN Code: 8536

Description	Suitable for Mounting on Contactors	Contact Configuration		Type	Item Code	Per Unit LP (₹)
		NO	NC			
Side Block	HGS9-40	1	1	HGS SB	ISSPCU1969	295.00
	HGS50-100	1	1		ISSPCU1970	295.00
	HGS115-800	1	1		ISSPCU1971	600.00
Front Block	HGS9-100	0	2	HGS TB	ISSPCU1961	295.00
	HGS9-100	1	1		ISSPCU1962	265.00
	HGS9-100	2	0		ISSPCU1963	280.00
	HGS9-100	0	4		ISSPCU1964	550.00
	HGS9-100	1	3		ISSPCU1965	550.00
	HGS9-100	2	2		ISSPCU1966	480.00
	HGS9-100	3	1		ISSPCU1967	550.00
	HGS9-100	4	0		ISSPCU1968	550.00



Add on Accessories: Electronic Timer Block

Description	Suitable for Mounting on Contactors	Item Code	Per Unit LP (₹)
Electronic Timer	HGS9-100	ISSPCU1977	2300.00

Add on Accessories: Mechanical Latching Block

Description	Suitable for Mounting on Contactors	Item Code	Per Unit LP (₹)
Mech. Latching Block HGS 9-100 AC 220V	HGS9-100	ISSPCU1976	1590.00

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Add on Accessories: Surge Absorber and Clamping Diode

Description	Suitable for Mounting on Contactors	Item Code	Per Unit LP (₹)
Surge Absorber	HGS9-100	ISSPCU1984	675.00
Clamping Diode	HGS9-100	ISSPCU1978	675.00



Add on Accessories: Thermal Overload Relay Mounting Block

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		
Mounting Block Fr 5	HGST150		
Mounting Block Fr 6	HGST265		
Mounting Block Fr 7	HGST500		
Mounting Block Fr 8	HGST800		

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
- Fast Response time
- Auto / manual reset facility
- Ambient temperature compensated
- Test mode 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	1120.00
	0.18 A - 0.26 A			IHHR13CB	1120.00
	0.25 A - 0.35 A			IHHR13CC	1120.00
	0.34 A - 0.5 A			IHHR13CD	1120.00
	0.5 A - 0.7 A			IHHR13CE	1120.00
	0.6 A - 0.9 A			IHHR13CF	1120.00
	0.8 A - 1.2 A			IHHR13CG	1120.00
	1.1 A - 1.6 A			IHHR13CH	1120.00
	1.5 A - 2.1 A			IHHR13CJ	1120.00
	2 A - 3 A			IHHR13CZ	1120.00
	2.8 A - 4.2 A			IHHR13CK	1120.00
	3 A - 5 A			IHHR13CL	1120.00
	4 A - 6 A			IHHR13CM	1120.00
	5.6 A - 8 A			IHHR13CN	1120.00
	6 A - 9 A			IHHR13CP	1120.00
	8 A - 12 A			IHHR13CR	1140.00
	12 A - 18 A			IHHR13CT	1250.00



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	1250.00
	8 A - 12.0 A			IHHR23CR	
	12 A - 18 A			IHHR23CT	
	15 A - 22 A			IHHR23CU	
	17 A - 25 A			IHHR23CV	1610.00
	22 A - 32 A			IHHR23CW	1690.00
	28 A - 40 A			IHHR23CX	1755.00
3	7 A - 10.0 A	HGS50 HGS65	HGST65	IHHR33CQ	2010.00
	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	
	28 A - 40 A			IHHR33CX	2285.00
	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	
	52 A - 75 A			IHHR43C2	
	59 A - 85 A			IHHR43C3	
	70 A - 100 A			IHHR43C4	3290.00
5	48 A - 80 A	HGS115 HGS130 HGS150	HGST150	IHHR53C5	5140.00
	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	5775.00
	69 A - 115 A			IHHR63C6	
	78 A - 130 A			IHHR63C7	
	90 A - 150 A			IHHR63C8	
	111 A - 185 A			IHHR63C9	6370.00
	135 A - 225 A			IHHR63C11	6705.00
	159 A - 265 A			IHHR63C12	
7	90 A - 150 A	HGS300 HGS400 HGS500	HGST500	IHHR73C8	7335.00
	111 A - 185 A			IHHR73C9	
	135 A - 225 A			IHHR73C11	
	159 A - 265 A			IHHR73C12	
	180 A - 300 A			IHHR73C13	8035.00
	240 A - 400 A			IHHR73C14	
	300 A - 500 A			IHHR73C15	9365.00
8	378 A - 630 A	HGS630 HGS800	HGST800	IHHR83C16	20090.00
	480 A - 800 A			IHHR83C17	



Industrial Starter

Direct Online Starter - E Series



Motor Starter

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

HSN Code: 8536

HP	kW	Contactor 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	2610.00
3 HP	2.2 kW	12	4.0 A - 6.0 A	IHHDOLJA*E	2610.00
5 HP	3.7 kW	12	7 A - 10 A	IHHDOLLA*E	2610.00
7.5 HP	5.6 kW	18	10 A - 13 A	IHHDOLMA*E	2610.00
10 HP	7.5 kW	18	13 A - 18 A	IHHDOLNA*E	2725.00
15 HP	11.2 kW	32	18 A - 25 A	IHHDOLPB*E	4820.00



HGS Starter - Direct Online Starter

Features:

- Range : 20 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
- Starter Type - Air Break

HSN Code: 8536

HP	kW	Contactor Rating	Overload Relay Range (A)	Item Code	Per Unit LP (₹)
20 HP	14.9 kW	32	22 A - 32 A	IHHDOLWB*	7830.00
25 HP	18.7 kW	40	28 A - 40 A	IHHDOLXB*	12960.00
30 HP	22.4 kW	50	34 A - 50 A	IHHDOLYC*	12960.00
40 HP	29.8 kW	65	45 A - 65 A	IHHDOL1C*	13500.00
50 HP	37.3 kW	85	59 A - 85 A	IHHDOL3D*	15655.00



AC Coil

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

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

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

HSN Code: 8536

HP	kW	Contactor Size	Overload Relay Range (A)	Item Code	Per Unit LP (₹)
10 HP	7.5 kW	18	8.0 A - 12 A	IHHASDRA*	8610.00
12.5 HP	9.3 kW	18	8.0 A - 12 A	IHHASDTA*	8610.00
15 HP	11 kW	25	12 A - 18.0 A	IHHASDTB*	8610.00
20 HP	15 kW	25	15 A - 22 A	IHHASDUB*	8960.00
25 HP	19 kW	32	17 A - 25 A	IHHASDVB*	10905.00
30 HP	22.5 kW	32	22 A - 32 A	IHHASDWB*	12455.00
35 HP	26 kW	32	28 A - 40 A	IHHASDXB*	19395.00
50 HP	37 kW	50	34 A - 50 A	IHHASDYC*	30160.00
60 HP	45 kW	50	45 A - 65 A	IHHASD1C*A	49570.00
75 HP	55 kW	65	45 A - 65 A	IHHASD1C*B	50960.00
90 HP	67.5 kW	85	59 A - 85 A	IHHASD3D*	59645.00
100 HP	75 kW	100	70 A - 100 A	IHHASD4D*	66960.00
125 HP	90 kW	115	78 A - 130 A	IHHASD7E*	90435.00
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)

HGS Starter - Reversing 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

HSN Code: 8536

HP	kW	Contactors Size	Overload Relay Range (A)	Item Code	Per Unit LP (₹)
2 HP	1.5 kW	18	2.8 A - 4.2 A	IHHREVKA*	8190.00
3 HP	2.2 kW	18	4.0 A - 6.0 A	IHHREVMA*	8190.00
5 HP	3.7 kW	18	6.0 A - 9.0 A	IHHREVPA*	8190.00
7.5 HP	5.6 kW	18	8.0 A - 12 A	IHHREVRA*	8190.00
10 HP	7.5 kW	18	12 A - 18.0 A	IHHREVTA*	8190.00
15 HP	11.2 kW	32	17 A - 25 A	IHHREVVB*	11070.00
20 HP	14.9 kW	32	28 A - 40 A	IHHREVXB*	16605.00

AC Coil

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



HGS Automatic Star Delta Submersible Starter (Standard)

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
- Starter Type - Air Break

HSN Code: 8536

HP	kW	Full load Line Current	Full Load phase current	Contactors 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*	26265.00
35 HP	26.1 kW	50.75	29.30	50	34 A - 50 A	IHHSSDYC*A	27830.00
40 HP	29.8 kW	58	33.49	65	34 A - 50 A	IHHSSDYC*B	30610.00
45 HP	33.6 kW	65.25	37.67	75	45 A - 65 A	IHHSSD1D*	38265.00
50 HP	37.5 kW	72.5	41.86	85	52 A - 75 A	IHHSSD2D*	41740.00



HGS Automatic Star Delta Submersible Starter DLX

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
- Starter Type - Air Break

HSN Code: 8536

HP	kW	Full load Line Current	Full Load phase current	Contactors 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*	26515.00
35 HP	26.1 kW	50.75	29.30	50	34 A - 50 A	100 A	IHHSDYC*A	28080.00
40 HP	29.8 kW	58	33.49	65	34 A - 50 A	100 A	IHHSDYC*B	30860.00
45 HP	33.6 kW	65.25	37.67	75	45 A - 65 A	125 A	IHHSD1D*	38515.00
50 HP	37.5 kW	72.5	41.86	85	52 A - 75 A	125 A	IHHSD2D*	41990.00



AC Coil

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

Industrial Switchgear



Motor Starter

HGS Starter (Spare)

HSN Code: 8538

Type	Item Code	Per Unit LP (₹)
Start Push Button - Green	ICELL00002	120.00
Stop Push Button - Red	ICELL00003	120.00
Motor ON Indicating Light-Green	ICELKL00015	195.00
Motor Trip Indicating Light-Yellow	ICELKL00013	195.00
SPP	ISCELXL00063	2060.00
Combined Voltmeter & Ammeter	ISCEMLX0007	805.00
Terminal Block 6 way	ICELPSMX001	300.00
Terminal Block 3 way	ICELPSMX002	180.00
VOLT.SEL SW. C/G	ICELQL00021	280.00
Timer	ICELRPSL005	1775.00
Mini Rocker Switch - SPP By Pass	ISCELEL00218	30.00



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

HSN Code: 8537

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	21465.00
	1	6 kw	Astronomical	32 / TP	40 / TPN	IHXTS0306A	21465.00
	2	12 kw	Digital 24 hour	65 / TP	63 / TPN	IHXTS09120	31215.00
	2	12 kw	Astronomical	65 / TP	63 / TPN	IHXTS0912A	31215.00
1	1	6 kw	Digital 24 hour	32 / TP	40 / SPN	IHXSS01060	16095.00
	1	6 kw	Astronomical	32 / TP	40 / SPN	IHXSS0106A	16095.00
	1	12 kw	Digital 24 hour	65 / TP	63 / SPN	IHXSS03120	24185.00
	1	12 kw	Astronomical	65 / TP	63 / SPN	IHXSS0312A	24185.00



Agri Starter

URJA - DOL Agri Pump Starter

HSN Code: 8536

HP	kW	Contactor	O/L Relay	Motor Starter	
		(A)	(A)	Item Code	Per Unit LP (₹)
0.75 HP	0.56 kW	20 A	1.07 A - 1.7 A	IHADOAE1*	2210.00
1 HP	0.75 kW	20 A	1.58 A - 2.5 A	IHADOAF1*	2210.00
2 HP	1.50 kW	20 A	2.4 A - 3.8 A	IHADOAG1*	2210.00
3 HP	2.24 kW	20 A	3.8 A - 6.0 A	IHADOAH1*	2210.00
5 HP	3.73 kW	20 A	6.0 A - 9.3 A	IHADOAJ1*	2210.00
7.5 HP	5.60 kW	20 A	8.9 A - 13.5 A	IHADOAK1*	2210.00
		20 A	13.2 A - 20 A	IHADOAK1*A	2265.00
		20 A	17.4 A - 24 A	IHADOAK1*B	2320.00
		25 A	22 A - 30 A	IHADOAK1*C	2495.00
10 HP	7.50 kW	20 A	13.2 A - 20 A	IHADOAL1*	2365.00
15 HP	11 kW	25 A	17.4 A - 24 A	IHADOAM1*	2605.00

*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



URJA - DOL Submersible Pump Controller (Standard) - 3 Phase

HSN Code: 8536

HP	kW	Max. Operational Current (A)	Contactor AC3 (A)	O/L Relay (A)	Item Code	Per Unit LP (₹)
1 HP	0.75 kW	1.90 A	20 A	1.58 A - 2.5 A	IHSDOAF1*A	6510.00
2 HP	1.50 kW	3.81 A	20 A	3.8 A - 6.0 A	IHSDOAH1*A	6510.00
3 HP	2.24 kW	5.71 A	20 A	3.8 A - 6.0 A	IHSDOAH1*B	6510.00
5 HP	3.73 kW	9.52 A	20 A	8.9 A - 13.5 A	IHSDOAK1*A	6510.00
7.5 HP	5.60 kW	14.27 A	20 A	13.2 A - 20 A	IHSDOAL1*A	6865.00
10 HP	7.50 kW	19.03 A	25 A	13.2 A - 20 A	IHSDOAL1*B	7205.00
12.5 HP	9.30 kW	23.79 A	32 A	17.4 A - 24 A	IHSDOAM1*A	7225.00
15 HP	11.19 kW	28.55 A	32 A	22 A - 30 A	IHSDOAN1*A	8405.00

AC Coil

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



URJA - ASD Submersible Pump Controller (Standard) - 3 Phase

HSN Code: 8536

HP	Max Operating Current 135% (A)	Phase Current (A)	O/L Relay (A)	Contactor AC3 (A)	Item Code	Per Unit LP (₹)
5 HP	10.13 A	5.85 A	3.8 A - 6.0 A	20 A	IHSASAH1*A	12155.00
7.5 HP	15.19 A	8.77 A	6 A - 9.3 A	20 A	IHSASAJ1*A	12155.00
10 HP	20.25 A	11.69 A	8.9 A - 13.5 A	20 A	IHSASAK1*A	12155.00
12.5 HP	25.31 A	14.61 A	13.2 A - 20 A	20 A	IHSASAL1*A	12840.00
15 HP	30.38 A	17.54 A	13.2 A - 20 A	20 A	IHSASAL1*B	13120.00
17.5 HP	35.44 A	20.46 A	17.4 A - 24 A	25 A	IHSASAM1*A	13120.00
20 HP	40.50 A	23.38 A	22 A - 30 A	32 A	IHSASAN1*A	15035.00

AC Coil

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



Industrial Switchgear

NEW Single Phase DOL Starter

Features:

- Range : 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

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	1455.00
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	1455.00
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	1455.00
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	1495.00
3 HP	2.2 kW	18.71 A	25 A	17.4 A - 24 A	6 mm ²	4 mm ²	63 A	IHUDOLL1F1	1570.00



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)

URJA - Single Phase Submersible Pump Controller

HSN Code: 8536

HP Rating	Overload Relay (A)	Contactor (A)	Start Capacitor μ F (MFD)	Run Capacitor μ F (MFD)	Item Code	Per Unit LP (₹)
0.5 HP	3.8 A - 6.0 A	20 A	80 μ F - 100 μ F	25 μ F	IHADOAH1F1	3770.00
0.5 HP	3.8 A - 6.0 A	20 A	80 μ F - 100 μ F	36 μ F	IHADOAJ1FA	3770.00
1 HP	6 A - 9.3 A	20 A	100 μ F - 120 μ F	36 μ F	IHADOAJ1FB	3790.00
1 HP	6 A - 9.3 A	20 A	100 μ F - 120 μ F	50 μ F	IHADOAJ1FC	3790.00
1 HP	6 A - 9.3 A	20 A	120 μ F - 150 μ F	50 μ F	IHADOAJ1FD	3790.00
1.5 HP	8.9 A - 13.5 A	20 A	120 μ F - 150 μ F	50 μ F	IHADOAK1FA	4120.00
1.5 HP	8.9 A - 13.5 A	20 A	150 μ F - 200 μ F	36+36 μ F	IHADOAK1FB	4120.00
2 HP	13.2 A - 20 A	20 A	150 μ F - 200 μ F	36+36 μ F	IHADOAL1FA	4405.00
2 HP	13.2 A - 20 A	20 A	150 μ F - 200 μ F	50+50 μ F	IHADOAL1FB	4405.00
2 HP	13.2 A - 20 A	20 A	200 μ F - 250 μ F	50+36 μ F	IHADOAL1FC	4405.00
3 HP	17.4 A - 24 A	25 A	200 μ F - 250 μ F	50+50 μ F	IHADOAM1FA	5175.00
3 HP	17.4 A - 24 A	25 A	200 μ F - 250 μ F	50+36+36 μ F	IHADOAM1FB	5175.00



Spares of Agri Starter

Contactor 4 Pole with AC Coil (20 A to 40 A)

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	1815.00
	25 A	40 A	4	UC1 25 F	IHPBC025100*	25A 4P Contactor	2395.00
	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

*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



Contactor 2 Pole with AC Coil (20A to 40A)

HSN Code: 8536

Frame Size	AC-3 Duty Rating at 240 V, 50 Hz le (A)	AC-1 Duty Rating at 240 V, 50 Hz lth (A)	Power Poles	Type	Item Code	Item Description	Per Unit LP (₹)
1	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	1270.00
	40 A	63 A	2	UC1 40 D	IHPBF040100*	40A 2P Contactor	1710.00

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

AC Coil

Code*	F
AC Voltage	140 V - 270 V



Thermal Overload Relay - 3 Pole

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	1210.00
1.58 A - 2.5 A		3	UR1 F	IHAR13CF	3P Thermal O/L Relay A/M	1210.00
2.4 A - 3.8 A		3	UR1 G	IHAR13CG	3P Thermal O/L Relay A/M	1210.00
3.8 A - 6.0 A		3	UR1 H	IHAR13CH	3P Thermal O/L Relay A/M	1210.00
6 A - 9.3 A		3	UR1 J	IHAR13CJ	3P Thermal O/L Relay A/M	1210.00
8.9 A - 13.5 A		3	UR1 K	IHAR13CK	3P Thermal O/L Relay A/M	1210.00
13.2 A - 20 A		3	UR1 L	IHAR13CL	3P Thermal O/L Relay A/M	1210.00
17.4 A - 24 A		3	UR1 M	IHAR13CM	3P Thermal O/L Relay A/M	1210.00
22 A - 30 A		3	UR1 N	IHAR13CN	3P Thermal O/L Relay A/M	1210.00



Thermal Overload Relay - 2 Pole

HSN Code: 8536

Relay Range (A)	Suitable for Contactor Frame Size	Poles	Type	Item Code	Item Description	Per Unit LP (₹)
3.8 A - 6 A	1	2	UR1 H	IHAR12CH	2P Thermal O/L Relay A/M	625.00
6 A - 9.3 A		2	UR1 J	IHAR12CJ	2P Thermal O/L Relay A/M	625.00
8.9 A - 13.5 A		2	UR1 K	IHAR12CK	2P Thermal O/L Relay A/M	625.00
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



Industrial Switchgear

Urja Contactor 2P / 4P (Spares)

HSN Code: 8538

Type		Item Code	Per Unit LP (₹)
Housing 2P		CPSMPCX016	195.00
Housing 4P		ISCPMPCX014	315.00
Carrier Assembly 2P		ISSPEX0447	55.00
Carrier Assembly 4P		ISSPEX0446	80.00
2P Contactor Coil	140 V - 270 V	ISSPEP0008	420.00
4P Contactor Coil	200 V - 400 V	ISSPEP0007	420.00
	415 V (260 V - 440 V)	ISSPEP0009	480.00
	240 V (140 V - 270 V)	ISSPEP0011	480.00
Single Fixed Contact 2P / 4P	20 A	ISSPEX0428	65.00
	25 A	ISSPEX0429	90.00
	32 A	ISSPEX0430	95.00
	40 A	ISSPEX0439	115.00
Single Moving Contact 2P / 4P	20 A	ISSPEX0431	100.00
	25 A	ISSPEX0432	140.00
	32 A	ISSPEX0433	160.00
	40 A	ISSPEX0440	195.00
Contact Kit 2P Contactor	20 A	ISSPEX0441	450.00
	25 A	ISSPEX0442	635.00
	40 A	ISSPEX0444	835.00
Contact Kit 4P Contactor	20 A	ISSPEX0434	820.00
	25 A	ISSPEX0435	1275.00
	32 A	ISSPEX0436	1370.00
	40 A	ISSPEX0445	1365.00



Housing 4P



Housing 2P



Carrier Assembly 4P



Carrier Assembly 2P



4P Contactor Coil



2P Contactor Coil



Single Fixed Contact 2P / 4P



Single Moving Contact 2P / 4P



Contact Kit 2P



Contact Kit 4P

DOL Starter (Spare)

HSN Code: 8538

Type	Item Code	Per Unit LP (₹)
NO Switch URJA	ISSPEX0437	95.00
ON / OFF Push Button Assembly URJA	ISSPEX0438	95.00



NO Switch



ON / OFF PB

Urja Single Phase Sub. Starter (Spare)

HSN Code: 8538

Type		Item Code	Per Unit LP (₹)
PB Red for SPSS with 1NC Element		ISCELXLX0001	140.00
	5+16 Element (1.5-2 HP) 1.12 kW - 1.50 kW	ISCELXLX0002	265.00
	5+25 Element (3-5 HP) 2.24 kW - 3.73 kW	ISCELXLX0003	305.00
Neon Light Indicator Red		ISCELKLX0006	55.00
Front Add-on Aux.Cont.Blk	2NO	ISSPEX0427	300.00
Combined AV Meter	30 A - 300 V	ISCELMLX0006	800.00
	25 A - 500 V	ISCELMLX0007	805.00
	50 A - 500 V	ISCELMLX0008	885.00
Terminal Block	2 Way SPSS	ISCPTMPSX032	30.00
	5 Way	ISCELXPX0003	110.00



PB Red



PB Green



Neon Light



Front Add-on



AV Meter



TB 2Way



TB 5Way

Industrial Switchgear

Urja DOL & ASD Sub. Starter (Spare)

HSN Code: 8538

Type	Item Code	Per Unit LP (₹)
Start Push Button - Green	ICELL00002	120.00
Stop Push Button - Red	ICELL00003	120.00
Motor ON Indicating Light-Green	ICELKL00015	195.00
Motor Trip Indicating Light-Yellow	ICELKL00013	195.00
SPP	ISCEXL00063	2060.00
Combined Voltmeter & Ammeter	ISCEMLX0007	805.00
Terminal Block 6 way	ICELPSMX001	300.00
Terminal Block 3 way	ICELPSMX002	180.00
VOLT.SEL SW. C/G	ICELQL00021	280.00
Timer	ICELRPSL005	1775.00
Front Block 1NO 1NC	ISPNAFM711	315.00
Mini Rocker Switch - SPP By Pass	ISCELEL00218	30.00



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



Industrial Switchgear

Titania Air Circuit Breaker

(Conforms to IS/IEC:60947-2)



ACB with Microprocessor Release IPR E+ (3 Pole)

HSN Code: 8536

Current Rating	Breaking Capacity	Item Code		Per Unit LP (₹)		Item Code		Per Unit LP (₹)	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
(A)	415 V (kA)	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630 A	50 kA	IHATE1E060**#	IHATE2E060**#	66360.00	95520.00	IHATE4E06\$***	IHATE5E06\$***	83580.00	137865.00
800 A	50 kA	IHATE1E080**#	IHATE2E080**#	68575.00	98710.00	IHATE4E08\$***	IHATE5E08\$***	94435.00	138980.00
1000 A	50 kA	IHATE1E100**#	IHATE2E100**#	74105.00	107840.00	IHATE4E10\$***	IHATE5E10\$***	99345.00	145735.00
1250 A	50 kA	IHATE1E120**#	IHATE2E120**#	88515.00	136870.00	IHATE4E12\$***	IHATE5E12\$***	126630.00	170415.00
1600 A	50 kA	IHATE1E160**#	IHATE2E160**#	95775.00	148535.00	IHATE4E16\$***	IHATE5E16\$***	138160.00	188295.00
2000 A	50 kA	IHATE1E200**#	IHATE2E200**#	110565.00	177150.00	IHATE4E20\$***	IHATE5E20\$***	154905.00	213045.00
2500 A	75 kA	IHATH1E250**#	IHATH2E250**#	131135.00	216740.00	IHATH4E25\$***	IHATH5E25\$***	176905.00	253660.00

ACB with Microprocessor Release IPR E+ (4 Pole)

HSN Code: 8536

Current Rating	Breaking Capacity	Item Code		Per Unit LP (₹)		Item Code		Per Unit LP (₹)	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
(A)	415 V (kA)	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630 A	50 kA	IHAFF1E060**#	IHAFF2E060**#	74150.00	128615.00	IHAFF4E06\$***	IHAFF5E06\$***	111860.00	171410.00
800 A	50 kA	IHAFF1E080**#	IHAFF2E080**#	78575.00	132035.00	IHAFF4E08\$***	IHAFF5E08\$***	118365.00	173720.00
1000 A	50 kA	IHAFF1E100**#	IHAFF2E100**#	89530.00	139950.00	IHAFF4E10\$***	IHAFF5E10\$***	123235.00	183540.00
1250 A	50 kA	IHAFF1E120**#	IHAFF2E120**#	116750.00	173880.00	IHAFF4E12\$***	IHAFF5E12\$***	154600.00	212505.00
1600 A	50 kA	IHAFF1E160**#	IHAFF2E160**#	124615.00	197645.00	IHAFF4E16\$***	IHAFF5E16\$***	166095.00	235065.00
2000 A	50 kA	IHAFF1E200**#	IHAFF2E200**#	150645.00	235095.00	IHAFF4E20\$***	IHAFF5E20\$***	193630.00	275560.00
2500 A	75 kA	IHAFFH1E250**#	IHAFFH2E250**#	177610.00	288205.00	IHAFFH4E25\$***	IHAFFH5E25\$***	217900.00	325170.00

ACB with Microprocessor Release IPR 1+ (3 Pole)

HSN Code: 8536

Current Rating	Breaking Capacity	Item Code		Per Unit LP (₹)		Item Code		Per Unit LP (₹)	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
(A)	415 V (kA)	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630 A	50 kA	IHATE11060**#	IHATE21060**#	73820.00	106695.00	IHATE4106\$***	IHATE5106\$***	93125.00	150175.00
800 A	50 kA	IHATE11080**#	IHATE21080**#	76150.00	110225.00	IHATE4108\$***	IHATE5108\$***	104620.00	151425.00
1000 A	50 kA	IHATE11100**#	IHATE21100**#	81945.00	119290.00	IHATE4110\$***	IHATE5110\$***	112595.00	158195.00
1250 A	50 kA	IHATE11120**#	IHATE21120**#	101135.00	148535.00	IHATE4112\$***	IHATE5112\$***	140455.00	183615.00
1600 A	50 kA	IHATE11160**#	IHATE21160**#	104645.00	156670.00	IHATE4116\$***	IHATE5116\$***	149720.00	196425.00
2000 A	50 kA	IHATE11200**#	IHATE21200**#	121905.00	185250.00	IHATE4120\$***	IHATE5120\$***	167590.00	225830.00
2500 A	75 kA	IHATH11250**#	IHATH21250**#	143240.00	225130.00	IHATH4125\$***	IHATH5125\$***	190390.00	261995.00

ACB with Microprocessor Release IPR 1+ (4 Pole)

HSN Code: 8536

Current Rating	Breaking Capacity	Item Code		Per Unit LP (₹)		Item Code		Per Unit LP (₹)	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
(A)	415 V (kA)	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630 A	50 kA	IHAFF11060**#	IHAFF21060**#	86630.00	140645.00	IHAFF4106\$***	IHAFF5106\$***	126385.00	184795.00
800 A	50 kA	IHAFF11080**#	IHAFF21080**#	90760.00	144280.00	IHAFF4108\$***	IHAFF5108\$***	133275.00	187180.00
1000 A	50 kA	IHAFF11100**#	IHAFF21100**#	99570.00	152355.00	IHAFF4110\$***	IHAFF5110\$***	139090.00	197205.00
1250 A	50 kA	IHAFF11120**#	IHAFF21120**#	130475.00	187070.00	IHAFF4112\$***	IHAFF5112\$***	171720.00	226820.00
1600 A	50 kA	IHAFF11160**#	IHAFF21160**#	135615.00	205780.00	IHAFF4116\$***	IHAFF5116\$***	177575.00	243185.00
2000 A	50 kA	IHAFF11200**#	IHAFF21200**#	163015.00	243140.00	IHAFF4120\$***	IHAFF5120\$***	207415.00	283720.00
2500 A	75 kA	IHAFFH11250**#	IHAFFH21250**#	190980.00	296585.00	IHAFFH4125\$***	IHAFFH5125\$***	232620.00	333460.00

\$ 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)



ACB with Microprocessor Release IPR 2+ (3 Pole)

HSN Code: 8536

Current Rating (A)	Breaking Capacity 415 V (kA)	Item Code		Per Unit LP (₹)		Item Code		Per Unit LP (₹)	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630 A	50 kA	IHATE12060**#	IHATE22060**#	77025.00	112515.00	IHATE4206\$***	IHATE5206\$***	103280.00	154000.00
800 A	50 kA	IHATE12080**#	IHATE22080**#	82730.00	116990.00	IHATE4208\$***	IHATE5208\$***	114880.00	155830.00
1000 A	50 kA	IHATE12100**#	IHATE22100**#	86220.00	126320.00	IHATE4210\$***	IHATE5210\$***	120070.00	163320.00
1250 A	50 kA	IHATE12120**#	IHATE22120**#	108500.00	154890.00	IHATE4212\$***	IHATE5212\$***	149355.00	187700.00
1600 A	50 kA	IHATE12160**#	IHATE22160**#	113145.00	160505.00	IHATE4216\$***	IHATE5216\$***	157500.00	199510.00
2000 A	50 kA	IHATE12200**#	IHATE22200**#	128855.00	189340.00	IHATE4220\$***	IHATE5220\$***	175020.00	226735.00
2500 A	75 kA	IHATH12250**#	IHATH22250**#	150670.00	227260.00	IHATH4225\$***	IHATH5225\$***	195200.00	264465.00

ACB with Microprocessor Release IPR 2+ (4 Pole)

HSN Code: 8536

Current Rating (A)	Breaking Capacity 415 V (kA)	Item Code		Per Unit LP (₹)		Item Code		Per Unit LP (₹)	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630 A	50 kA	IHAPE12060**#	IHAPE22060**#	90810.00	148040.00	IHAPE4206\$***	IHAPE5206\$***	131335.00	188950.00
800 A	50 kA	IHAPE12080**#	IHAPE22080**#	95415.00	151600.00	IHAPE4208\$***	IHAPE5208\$***	138300.00	190440.00
1000 A	50 kA	IHAPE12100**#	IHAPE22100**#	106900.00	159685.00	IHAPE4210\$***	IHAPE5210\$***	145585.00	199635.00
1250 A	50 kA	IHAPE12120**#	IHAPE22120**#	138665.00	194790.00	IHAPE4212\$***	IHAPE5212\$***	177470.00	228960.00
1600 A	50 kA	IHAPE12160**#	IHAPE22160**#	143305.00	212435.00	IHAPE4216\$***	IHAPE5216\$***	186505.00	245480.00
2000 A	50 kA	IHAPE12200**#	IHAPE22200**#	170475.00	253675.00	IHAPE4220\$***	IHAPE5220\$***	215230.00	287510.00
2500 A	75 kA	IHAPE12250**#	IHAPE22250**#	199440.00	299395.00	IHAPE4225\$***	IHAPE5225\$***	240835.00	337860.00

ACB without Release (3 Pole)

HSN Code: 8536

Current Rating (A)	Breaking Capacity 415 V (kA)	Item Code		Per Unit LP (₹)		Item Code		Per Unit LP (₹)	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630 A	50 kA	IHATE10060**#	IHATE20060**#	53760.00	82835.00	IHATE4006\$***	IHATE5006\$***	72775.00	122770.00
800 A	50 kA	IHATE10080**#	IHATE20080**#	55915.00	87135.00	IHATE4008\$***	IHATE5008\$***	83635.00	124535.00
1000 A	50 kA	IHATE10100**#	IHATE20100**#	59190.00	96360.00	IHATE4010\$***	IHATE5010\$***	88495.00	131975.00
1250 A	50 kA	IHATE10120**#	IHATE20120**#	77660.00	124105.00	IHATE4012\$***	IHATE5012\$***	115665.00	155695.00
1600 A	50 kA	IHATE10160**#	IHATE20160**#	84390.00	133280.00	IHATE4016\$***	IHATE5016\$***	126875.00	171920.00
2000 A	50 kA	IHATE10200**#	IHATE20200**#	99290.00	162090.00	IHATE4020\$***	IHATE5020\$***	143515.00	199145.00
2500 A	75 kA	IHATH10250**#	IHATH20250**#	119580.00	198935.00	IHATH4025\$***	IHATH5025\$***	162225.00	232855.00

ACB without Release (4 Pole)

HSN Code: 8536

Current Rating (A)	Breaking Capacity 415 V (kA)	Item Code		Per Unit LP (₹)		Item Code		Per Unit LP (₹)	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630 A	50 kA	IHAPE10060**#	IHAPE20060**#	64515.00	112945.00	IHAPE4006\$***	IHAPE5006\$***	99030.00	156400.00
800 A	50 kA	IHAPE10080**#	IHAPE20080**#	67795.00	117035.00	IHAPE4008\$***	IHAPE5008\$***	105545.00	157835.00
1000 A	50 kA	IHAPE10100**#	IHAPE20100**#	76395.00	127385.00	IHAPE4010\$***	IHAPE5010\$***	112375.00	166935.00
1250 A	50 kA	IHAPE10120**#	IHAPE20120**#	105885.00	160245.00	IHAPE4012\$***	IHAPE5012\$***	141970.00	195410.00
1600 A	50 kA	IHAPE10160**#	IHAPE20160**#	113440.00	182390.00	IHAPE4016\$***	IHAPE5016\$***	154805.00	217460.00
2000 A	50 kA	IHAPE10200**#	IHAPE20200**#	139365.00	216575.00	IHAPE4020\$***	IHAPE5020\$***	182235.00	257585.00
2500 A	75 kA	IHAPE10250**#	IHAPE20250**#	163245.00	266760.00	IHAPE4025\$***	IHAPE5025\$***	202730.00	301930.00

\$ 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

Titania Air Circuit Breaker

(Conforms to IS/IEC:60947-2)



ACB with Microprocessor Release IPR 1+ (3 Pole)

HSN Code: 8536

Current Rating	Breaking Capacity	Item Code		Per Unit LP (₹)		Item Code		Per Unit LP (₹)	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
(A)	415 V (kA)	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630 A	65 kA	IHATS11060**#	IHATS21060**#	93675.00	134180.00	IHATS4106\$**#	IHATS5106\$***#	124120.00	176170.00
800 A	65 kA	IHATS11080**#	IHATS21080**#	96650.00	138695.00	IHATS4108\$**#	IHATS5108\$***#	135815.00	177900.00
1000 A	65 kA	IHATS11100**#	IHATS21100**#	101515.00	148035.00	IHATS4110\$**#	IHATS5110\$***#	141065.00	185260.00
1250 A	65 kA	IHATS11120**#	IHATS21120**#	129395.00	176560.00	IHATS4112\$**#	IHATS5112\$***#	170830.00	209700.00
1600 A	65 kA	IHATS11160**#	IHATS21160**#	134075.00	182345.00	IHATS4116\$**#	IHATS5116\$***#	179155.00	221605.00
2000 A	65 kA	IHATS11200**#	IHATS21200**#	150245.00	211255.00	IHATS4120\$**#	IHATS5120\$***#	197035.00	249005.00

ACB with Microprocessor Release IPR 1+ (4 Pole)

HSN Code: 8536

Current Rating	Breaking Capacity	Item Code		Per Unit LP (₹)		Item Code		Per Unit LP (₹)	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
(A)	415 V (kA)	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630 A	65 kA	IHAFS11060**#	IHAFS21060**#	111335.00	165760.00	IHAFS4106\$**#	IHAFS5106\$***#	152440.00	211345.00
800 A	65 kA	IHAFS11080**#	IHAFS21080**#	115975.00	170040.00	IHAFS4108\$**#	IHAFS5108\$***#	159460.00	212960.00
1000 A	65 kA	IHAFS11100**#	IHAFS21100**#	124715.00	180455.00	IHAFS4110\$**#	IHAFS5110\$***#	166820.00	221935.00
1250 A	65 kA	IHAFS11120**#	IHAFS21120**#	159840.00	214460.00	IHAFS4112\$**#	IHAFS5112\$***#	199195.00	251445.00
1600 A	65 kA	IHAFS11160**#	IHAFS21160**#	164520.00	232395.00	IHAFS4116\$**#	IHAFS5116\$***#	208315.00	268130.00
2000 A	65 kA	IHAFS11200**#	IHAFS21200**#	192145.00	266650.00	IHAFS4120\$**#	IHAFS5120\$***#	237625.00	308565.00

ACB with Microprocessor Release IPR 2+ (3 Pole)

HSN Code: 8536

Current Rating	Breaking Capacity	Item Code		Per Unit LP (₹)		Item Code		Per Unit LP (₹)	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
(A)	415 V (kA)	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630 A	65 kA	IHATS12060**#	IHATS22060**#	103925.00	143890.00	IHATS4206\$**#	IHATS5206\$***#	133485.00	185890.00
800 A	65 kA	IHATS12080**#	IHATS22080**#	106925.00	148410.00	IHATS4208\$**#	IHATS5208\$***#	145190.00	187630.00
1000 A	65 kA	IHATS12100**#	IHATS22100**#	111840.00	157650.00	IHATS4210\$**#	IHATS5210\$***#	150420.00	194890.00
1250 A	65 kA	IHATS12120**#	IHATS22120**#	140070.00	186090.00	IHATS4212\$**#	IHATS5212\$***#	180275.00	219235.00
1600 A	65 kA	IHATS12160**#	IHATS22160**#	144795.00	191880.00	IHATS4216\$**#	IHATS5216\$***#	188610.00	231140.00
2000 A	65 kA	IHATS12200**#	IHATS22200**#	161215.00	220695.00	IHATS4220\$**#	IHATS5220\$***#	206595.00	258445.00

\$ 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)



ACB with Microprocessor Release IPR 2+ (4 Pole)

HSN Code: 8536

Current Rating	Breaking Capacity	Item Code		Per Unit LP (₹)		Item Code		Per Unit LP (₹)	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
(A)	415 V (kA)	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630 A	65 kA	IHAFS12060**#	IHAFS22060**#	121760.00	177130.00	IHAFS4206\$**#	IHAFS5206\$**#	163330.00	223145.00
800 A	65 kA	IHAFS12080**#	IHAFS22080**#	126445.00	181455.00	IHAFS4208\$**#	IHAFS5208\$**#	170425.00	224775.00
1000 A	65 kA	IHAFS12100**#	IHAFS22100**#	135255.00	191865.00	IHAFS4210\$**#	IHAFS5210\$**#	177850.00	233725.00
1250 A	65 kA	IHAFS12120**#	IHAFS22120**#	170800.00	226100.00	IHAFS4212\$**#	IHAFS5212\$**#	210625.00	263445.00
1600 A	65 kA	IHAFS12160**#	IHAFS22160**#	175545.00	244205.00	IHAFS4216\$**#	IHAFS5216\$**#	219830.00	280275.00
2000 A	65 kA	IHAFS12200**#	IHAFS22200**#	203500.00	278695.00	IHAFS4220\$**#	IHAFS5220\$**#	249510.00	321010.00

ACB Without Release (3 Pole)

HSN Code: 8536

Current Rating	Breaking Capacity	Item Code		Per Unit LP (₹)		Item Code		Per Unit LP (₹)	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
(A)	415 V (kA)	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630 A	65 kA	IHATS10060**#	IHATS20060**#	75995.00	118285.00	IHATS4006\$**#	IHATS5006\$**#	105715.00	160670.00
800 A	65 kA	IHATS10080**#	IHATS20080**#	78915.00	122830.00	IHATS4008\$**#	IHATS5008\$**#	117200.00	162415.00
1000 A	65 kA	IHATS10100**#	IHATS20100**#	83685.00	132425.00	IHATS4010\$**#	IHATS5010\$**#	122355.00	170005.00
1250 A	65 kA	IHATS10120**#	IHATS20120**#	110895.00	161390.00	IHATS4012\$**#	IHATS5012\$**#	151395.00	194840.00
1600 A	65 kA	IHATS10160**#	IHATS20160**#	115485.00	167225.00	IHATS4016\$**#	IHATS5016\$**#	159575.00	206865.00
2000 A	65 kA	IHATS10200**#	IHATS20200**#	131200.00	196575.00	IHATS4020\$**#	IHATS5020\$**#	176965.00	234690.00

ACB Without Release (4 Pole)

HSN Code: 8536

Current Rating	Breaking Capacity	Item Code		Per Unit LP (₹)		Item Code		Per Unit LP (₹)	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
(A)	415 V (kA)	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630 A	65 kA	IHAFS10060**#	IHAFS20060**#	93335.00	150160.00	IHAFS4006\$**#	IHAFS5006\$**#	133510.00	196170.00
800 A	65 kA	IHAFS10080**#	IHAFS20080**#	97895.00	154485.00	IHAFS4008\$**#	IHAFS5008\$**#	140410.00	197805.00
1000 A	65 kA	IHAFS10100**#	IHAFS20100**#	106455.00	165150.00	IHAFS4010\$**#	IHAFS5010\$**#	147635.00	207010.00
1250 A	65 kA	IHAFS10120**#	IHAFS20120**#	140775.00	199650.00	IHAFS4012\$**#	IHAFS5012\$**#	179250.00	236985.00
1600 A	65 kA	IHAFS10160**#	IHAFS20160**#	145365.00	217740.00	IHAFS4016\$**#	IHAFS5016\$**#	188200.00	253820.00
2000 A	65 kA	IHAFS10200**#	IHAFS20200**#	172315.00	252495.00	IHAFS4020\$**#	IHAFS5020\$**#	216815.00	294805.00

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

\$ 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)

1. Microprocessor Based OCR (IPR)

HSN Code: 8538

S.No.	SAP Code	Description	Per Unit LP (₹)
1	ISACX0172	IPR-E+	9945.00
2	ISACX0214	IPR-1+	15340.00
3	ISSACX0621	IPR-2+	20455.00
4	ISSACX0622	IPR-3+	44740.00
5	ISSACX0623	IPR-4+	47045.00
6	ISSACX0624	IPR-5+	48670.00
7	SACX0346	Communication software for IPR-5+	POR

2. Spring Charging Motor

HSN Code: 8538

S.No.	SAP Code	Description	Per Unit LP (₹)
1	ISACX0358	Charging Motor 110 V	27170.00
2	ISACX0147	Charging Motor 230 V	27170.00

3. Main CTs *1

HSN Code: 8504

S.No.	SAP Code	Description	Per Unit LP (₹)
1	ICELFACL018	CT 400 A	2090.00
2	ICELFACL001	CT 630 A	2090.00
3	ICELFACL002	CT 800 A	2090.00
4	ICELFACL003	CT 1000A	2205.00
5	ICELFACL004	CT 1250 A	2205.00
6	ICELFACL005	CT 1600 A	2205.00
7	ICELFACL006	CT 2000 A	2950.00
8	ICELFACL007	CT 2500A	2950.00

4. Neutral CTs *2

HSN Code: 8504

S.No.	SAP Code	Description	Per Unit LP (₹)
1	ICELFACL019	NCT 400 A	2090.00
2	ICELFACL012	NCT 630 A	2090.00
3	ICELFACL013	NCT 800 A	2090.00
4	ICELFACL014	NCT 1000A	2205.00
5	ICELFACL015	NCT 1250 A	2205.00
6	ICELFACL016	NCT 1600 A	2205.00
7	ICELFACL017	NCT 2000 A	2950.00
8	ICELFACL021	NCT 2500A	3415.00

5. Under Voltage Trip Device (UVT)

HSN Code: 8538

S.No.	SAP Code	Description	Per Unit LP (₹)
1	ISACX0196	220 VAC/DC	3620.00
2	ISACX0197	415 VAC	3620.00

6. Shunt Trip / Closing Coil

HSN Code: 8538

S.No.	SAP Code	Description	Per Unit LP (₹)
1	ISACX0170	24 VDC	2550.00
2	ISACX0168	110 VAC/DC	2550.00
3	ISACX0167	220 VAC/DC	2550.00
4	ISACX0212	415 VAC	2550.00

7. Key Lock / Key Interlock

HSN Code: 8301

S.No.	SAP Code	Description	Per Unit LP (₹)
1	ISACX0301	On/Off Button cover	320.00
2	ISACX0353	Key lock (1 lock+1 key)	1280.00
3	ISACX0181	Key interlock (2 locks+1 keys)	2755.00
4	ISACX0210	Key interlock (3 locks+2 keys)	3790.00
5	ISACX0332	Castle Lock Unit (1 lock+1 key)	3040.00
6	ISSACX0437	Castle Lock Unit (2 lock+1 key)	5355.00
7	ISSACX0436	Castle Lock Unit (3 lock+2 key)	8530.00
8	ISACX0341	Drawout position Lock	1560.00

8. Adaptor Type Terminals (additional price)

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

HSN Code: 8538

S.No.	SAP Code	Description	Per Unit LP (₹)
1	ISSACX0174	630/800 A	2455.00
2	ISSACX0164	1000/1250 A	3075.00
3	ISSACP0434	1600 A	3605.00

9. Other Accessories

HSN Code: 8538

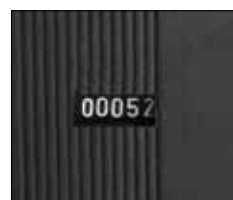
S.No.	SAP Code	Description	Per Unit LP (₹)
1	ISACX0208	Door Interlock	2030.00
2	ISACX0303	Mal Insertion prevention device	480.00
3	ISACX0028	Close open cycle counter	1790.00
4	ISACX0340	Mechanical Interlock through wire	Av. on request

10. Other Accessories

HSN Code: 8536

S.No.	SAP Code	Description	Per Unit LP (₹)
5	ISACX0207	Spring charge indication switch	760.00
6	ISACX0349	Trip indication Switch	550.00
7	ISACX0139	Aux. switch (5 c/o additional)	1285.00
8	ISACX0182	Position indication switch	1935.00
9	ISACX0302	Field test unit	1955.00

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



Industrial Switchgear

Air Circuit Breaker **Titania**

(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 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)

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



*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)

IPR E+



IPR 1+



IPR 2+



IPR 3+



IPR 4+



IPR 5+



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	●	●	●	●	●
2	> GFT	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.

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	1000 A	1600 A	2500 A	4000 A
	800 A	1250 A	2000 A	3200 A	5000 A
	6300 A				Qty.
Series	E	S	H	V	
No. of Poles	2	3	4	4	
			(100% Neutral)	(50% Neutral for V-Series only)	
Mounting	Fixed	Drawout	Standard (for E&S series)		
			Vertical terminals (for H&V series)		
	Note: For E & S series - Adapter terminals are on demand				
Spring Charging Operation	Manual	Electrical	Closing Coil _____ VAC / DC		
			Tripping Coil _____ VAC / DC		
			Motor _____ V		
Release					
	Without Release	IPR E +	IPR 1 +	IPR 2 +	IPR 3 +
	CT Rating _____ A,	Neutral CT			
	Setting: O/L _____ A,	S/C _____ A,			
	Inst. _____ A,	GFT _____ A,			
	Note: Unless otherwise specified O/L will be set at maximum value and all other settings would be set at mid values.				
Other Accessories	Close open cycle counter	Five c/o additional Aux. contacts			
	Field test unit	Shunt Trip			
	Position Indication Switch	UVT			
	Spring Charge Indication Switch	Trip Indication Switch			
	Mechanical Interlock	Key Lock			
	Mal Insertion Prevention device				
	Door Interlock	Key Interlock	2L+1K		
			3L+2K		

OFV-6

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



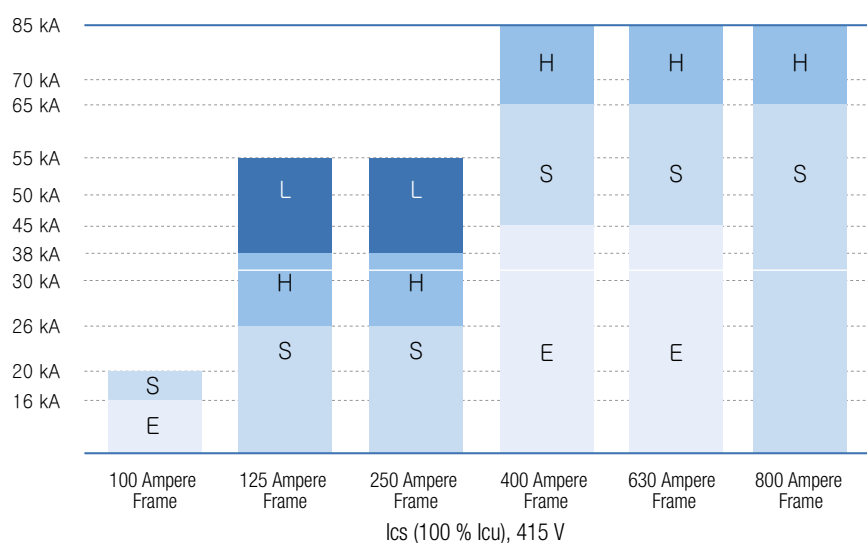
Wide range of Circuit Breakers catering all kind of electrical applications:

- 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, ($I_{cs} = 100\% I_{cu}$)



Moulded Case Circuit Breakers (AC 415 V)

(Conforms to IS/IEC:60947-2)

HIM 100 Frame: Adjustable Thermal* & Fixed Magnetic setting

Ics = 100% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Double Pole Item Code	Per Unit LP (₹)	Three Pole Item Code	Per Unit LP (₹)	Four Pole # Item Code	Per Unit LP (₹)
16 kA	16 A	HIM 100	IHDA3BBD0016	2660.00	IHDA3BBT0016	3615.00	IHDA3BBF0016	4695.00
	20 A		IHDA3BBD0020	2660.00	IHDA3BBT0020	3615.00	IHDA3BBF0020	4695.00
	25 A		IHDA3BBD0025	2660.00	IHDA3BBT0025	3615.00	IHDA3BBF0025	4695.00
	32 A		IHDA3BBD0032	2660.00	IHDA3BBT0032	3615.00	IHDA3BBF0032	4695.00
	40 A		IHDA3BBD0040	2660.00	IHDA3BBT0040	3615.00	IHDA3BBF0040	4695.00
	50 A		IHDA3BBD0050	2660.00	IHDA3BBT0050	3615.00	IHDA3BBF0050	4695.00
	63 A		IHDA3BBD0063	2660.00	IHDA3BBT0063	3615.00	IHDA3BBF0063	4695.00
	80 A		IHDA3BBD0080	2940.00	IHDA3BBT0080	3995.00	IHDA3BBF0080	5185.00
	100 A		IHDA3BBD0100	2940.00	IHDA3BBT0100	3995.00	IHDA3BBF0100	5185.00



Ics = 100% of Icu

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Double Pole Item Code	Per Unit LP (₹)	Three Pole Item Code	Per Unit LP (₹)	Four Pole # Item Code	Per Unit LP (₹)
20 kA	16 A	HIM 100	IHDA3CBD0016	3085.00	IHDA3CBT0016	4195.00	IHDA3CBF0016	5450.00
	20 A		IHDA3CBD0020	3085.00	IHDA3CBT0020	4195.00	IHDA3CBF0020	5450.00
	25 A		IHDA3CBD0025	3085.00	IHDA3CBT0025	4195.00	IHDA3CBF0025	5450.00
	32 A		IHDA3CBD0032	3085.00	IHDA3CBT0032	4195.00	IHDA3CBF0032	5450.00
	40 A		IHDA3CBD0040	3085.00	IHDA3CBT0040	4195.00	IHDA3CBF0040	5450.00
	50 A		IHDA3CBD0050	3085.00	IHDA3CBT0050	4195.00	IHDA3CBF0050	5450.00
	63 A		IHDA3CBD0063	3085.00	IHDA3CBT0063	4195.00	IHDA3CBF0063	5450.00
	80 A		IHDA3CBD0080	3380.00	IHDA3CBT0080	4595.00	IHDA3CBF0080	5970.00
	100 A		IHDA3CBD0100	3380.00	IHDA3CBT0100	4595.00	IHDA3CBF0100	5970.00

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.

HIM 125 Frame: Adjustable Thermal* & Fixed Magnetic setting

Ics = 100% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Double Pole Item Code	Per Unit LP (₹)	Three Pole Item Code	Per Unit LP (₹)	Four Pole # Item Code	Per Unit LP (₹)
26 kA	16 A	HIM 125	IHDA6OBD0016	4190.00	IHDA6OBT0016	5710.00	IHDA6OBF0016	7415.00
	20 A		IHDA6OBD0020	4190.00	IHDA6OBT0020	5710.00	IHDA6OBF0020	7415.00
	25 A		IHDA6OBD0025	4190.00	IHDA6OBT0025	5710.00	IHDA6OBF0025	7415.00
	32 A		IHDA6OBD0032	4190.00	IHDA6OBT0032	5710.00	IHDA6OBF0032	7415.00
	40 A		IHDA6OBD0040	4190.00	IHDA6OBT0040	5710.00	IHDA6OBF0040	7415.00
	50 A		IHDA6OBD0050	4190.00	IHDA6OBT0050	5710.00	IHDA6OBF0050	7415.00
	63 A		IHDA6OBD0063	4190.00	IHDA6OBT0063	5710.00	IHDA6OBF0063	7415.00
	80 A		IHDA6OBD0080	4190.00	IHDA6OBT0080	5710.00	IHDA6OBF0080	7415.00
	100 A		IHDA6OBD0100	4190.00	IHDA6OBT0100	5710.00	IHDA6OBF0100	7415.00
	125 A		IHDA6OBD0125	5185.00	IHDA6OBT0125	7055.00	IHDA6OBF0125	9165.00

Ics = 100% of Icu

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Double Pole Item Code	Per Unit LP (₹)	Three Pole Item Code	Per Unit LP (₹)	Four Pole # Item Code	Per Unit LP (₹)
38 kA	16 A	HIM 125	IHDA6TBD0016	5350.00	IHDA6TBT0016	7275.00	IHDA6TBF0016	9455.00
	20 A		IHDA6TBD0020	5350.00	IHDA6TBT0020	7275.00	IHDA6TBF0020	9455.00
	25 A		IHDA6TBD0025	5350.00	IHDA6TBT0025	7275.00	IHDA6TBF0025	9455.00
	32 A		IHDA6TBD0032	5350.00	IHDA6TBT0032	7275.00	IHDA6TBF0032	9455.00
	40 A		IHDA6TBD0040	5350.00	IHDA6TBT0040	7275.00	IHDA6TBF0040	9455.00
	50 A		IHDA6TBD0050	5350.00	IHDA6TBT0050	7275.00	IHDA6TBF0050	9455.00
	63 A		IHDA6TBD0063	5350.00	IHDA6TBT0063	7275.00	IHDA6TBF0063	9455.00
	80 A		IHDA6TBD0080	5350.00	IHDA6TBT0080	7275.00	IHDA6TBF0080	9455.00
	100 A		IHDA6TBD0100	5465.00	IHDA6TBT0100	7440.00	IHDA6TBF0100	9665.00
	125 A		IHDA6TBD0125	6080.00	IHDA6TBT0125	8275.00	IHDA6TBF0125	10750.00

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.

List Prices (LP) are in Indian ₹ as per Regular Terms & Conditions

Effective from 17th August, 2020 HAVELLS 29

Industrial Switchgear

Moulded Case Circuit Breakers (AC 415 V)

(Conforms to IS/IEC:60947-2)

HIM 125 Frame: Adjustable Thermal* & Fixed Magnetic setting

Ics = 100% of Icu

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Double Pole Item Code	Per Unit LP (₹)	Three Pole Item Code	Per Unit LP (₹)	Four Pole # Item Code	Per Unit LP (₹)
55 kA	16 A	HIM 125	IHDA6VBD0016	6905.00	IHDA6VBT0016	9395.00	IHDA6VBF0016	12210.00
	20 A		IHDA6VBD0020	6905.00	IHDA6VBT0020	9395.00	IHDA6VBF0020	12210.00
	25 A		IHDA6VBD0025	6905.00	IHDA6VBT0025	9395.00	IHDA6VBF0025	12210.00
	32 A		IHDA6VBD0032	6905.00	IHDA6VBT0032	9395.00	IHDA6VBF0032	12210.00
	40 A		IHDA6VBD0040	6905.00	IHDA6VBT0040	9395.00	IHDA6VBF0040	12210.00
	50 A		IHDA6VBD0050	6905.00	IHDA6VBT0050	9395.00	IHDA6VBF0050	12210.00
	63 A		IHDA6VBD0063	6905.00	IHDA6VBT0063	9395.00	IHDA6VBF0063	12210.00
	80 A		IHDA6VBD0080	6905.00	IHDA6VBT0080	9395.00	IHDA6VBF0080	12210.00
	100 A		IHDA6VBD0100	7025.00	IHDA6VBT0100	9555.00	IHDA6VBF0100	12425.00
	125 A		IHDA6VBD0125	9110.00	IHDA6VBT0125	12390.00	IHDA6VBF0125	16110.00

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

HIM 250 Frame: Adjustable Thermal* & Fixed Magnetic setting

Ics = 100% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)	Four Pole # Item Code	Per Unit LP (₹)
20 kA	150 A	HIM 250	IHD2HCBT0150	9255.00	IHD2HCBF0150	12030.00
	160 A		IHD2HCBT0160	9860.00	IHD2HCBF0160	12815.00
	200 A		IHD2HCBT0200	12890.00	IHD2HCBF0200	16755.00
	225 A		IHD2HCBT0225	13365.00	IHD2HCBF0225	17365.00
	250 A		IHD2HCBT0250	14680.00	IHD2HCBF0250	19075.00



Ics = 100% of Icu

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)	Four Pole # Item Code	Per Unit LP (₹)
26 kA	150 A	HIM 250	IHD2HOBT0150	10180.00	IHD2HOBF0150	13235.00
	160 A		IHD2HOBT0160	10845.00	IHD2HOBF0160	14095.00
	200 A		IHD2HOBT0200	14180.00	IHD2HOBF0200	18430.00
	225 A		IHD2HOBT0225	14695.00	IHD2HOBF0225	19105.00
	250 A		IHD2HOBT0250	16145.00	IHD2HOBF0250	20985.00

Ics = 100% of Icu

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)	Four Pole # Item Code	Per Unit LP (₹)
38 kA	150 A	HIM 250	IHD2HTBT0150	11275.00	IHD2HTBF0150	14660.00
	160 A		IHD2HTBT0160	12410.00	IHD2HTBF0160	16130.00
	200 A		IHD2HTBT0200	16070.00	IHD2HTBF0200	20885.00
	225 A		IHD2HTBT0225	17825.00	IHD2HTBF0225	23170.00
	250 A		IHD2HTBT0250	17825.00	IHD2HTBF0250	23170.00

Ics = 100% of Icu

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)	Four Pole # Item Code	Per Unit LP (₹)
55 kA	150 A	HIM 250	IHD2HVB0150	13585.00	IHD2HVBF0150	17660.00
	160 A		IHD2HVB0160	15130.00	IHD2HVBF0160	19665.00
	200 A		IHD2HVB0200	17980.00	IHD2HVBF0200	23365.00
	225 A		IHD2HVB0225	19695.00	IHD2HVBF0225	25605.00
	250 A		IHD2HVB0250	19695.00	IHD2HVBF0250	25605.00

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)

HIM 400 Frame: Adjustable Thermal* & Fixed Magnetic setting

Ics = 100% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)	Four Pole # Item Code	Per Unit LP (₹)
45 kA	300 A	HIM 400	IHDA9UBT0300	21045.00	IHDA9UBF0300	27360.00
	350 A		IHDA9UBT0350	21120.00	IHDA9UBF0350	27450.00
	400 A		IHDA9UBT0400	21120.00	IHDA9UBF0400	27450.00



Ics = 100% of Icu

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)	Four Pole # Item Code	Per Unit LP (₹)
65 kA	300 A	HIM 400	IHDA9LBT0300	22370.00	IHDA9LBF0300	29080.00
	350 A		IHDA9LBT0350	22810.00	IHDA9LBF0350	29655.00
	400 A		IHDA9LBT0400	22810.00	IHDA9LBF0400	29655.00

Ics = 100% of Icu

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)	Four Pole # Item Code	Per Unit LP (₹)
85 kA	300 A	HIM 400	IHDA9MBT0300	36730.00	IHDA9MBF0300	47750.00
	350 A		IHDA9MBT0350	37685.00	IHDA9MBF0350	48990.00
	400 A		IHDA9MBT0400	37685.00	IHDA9MBF0400	48990.00

Note : *Adjustable thermal (63% -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

HIM 630 Frame: Adjustable Thermal* & Fixed Magnetic setting

Ics = 100% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)	Four Pole # Item Code	Per Unit LP (₹)
45 kA	500 A	HIM 630	IHD3HUBT0500	25565.00	IHD3HUBF0500	33235.00
	630 A		IHD3HUBT0630	27680.00	IHD3HUBF0630	35975.00

Ics = 100% of Icu

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)	Four Pole # Item Code	Per Unit LP (₹)
65 kA	500 A	HIM 630	IHD3HLBT0500	27750.00	IHD3HLBF0500	36075.00
	630 A		IHD3HLBT0630	29585.00	IHD3HLBF0630	38465.00

Ics = 100% of Icu

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)	Four Pole # Item Code	Per Unit LP (₹)
85 kA	500 A	HIM 630	IHD3HMBT0500	53905.00	IHD3HMBF0500	70075.00
	630 A		IHD3HMBT0630	53905.00	IHD3HMBF0630	70075.00

Note : *Adjustable thermal (63% -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

HIM 800 Frame: Adjustable Thermal* & Fixed Magnetic setting

Ics = 100% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)	Four Pole # Item Code	Per Unit LP (₹)
65 kA	700 A	HIM 800	IHD4HLBT0700	37830.00	IHD4HLBF0700	49175.00
	800 A		IHD4HLBT0800	37830.00	IHD4HLBF0800	49175.00

Ics = 100% of Icu

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)	Four Pole # Item Code	Per Unit LP (₹)
85 kA	700 A	HIM 800	IHD4HMBT0700	92050.00	IHD4HMBF0700	119665.00
	800 A		IHD4HMBT0800	92050.00	IHD4HMBF0800	119665.00

Note : *Adjustable thermal (63% -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		
	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																		
24 Vdc	ISSLEU0800	1675.00		ISSLEU0800	1675.00		ISSLEU0800	1675.00		ISSLEU0889	2330.00		ISSLEU0889	2330.00		ISSLEU0889	2330.00	
48 Vdc	ISSLEU0801	1675.00		ISSLEU0801	1675.00		ISSLEU0801	1675.00										
60 Vdc	ISSLEU0802	1675.00		ISSLEU0802	1675.00		ISSLEU0802	1675.00										
100 Vdc - 120 Vdc	ISSLEU1634	1675.00		ISSLEU1634	1675.00		ISSLEU1634	1675.00										
125 Vdc	ISSLEU0803	1675.00		ISSLEU0803	1675.00		ISSLEU0803	1675.00										
100 Vdc - 125 Vdc										ISSLEU0907	2330.00		ISSLEU0907	2330.00		ISSLEU0907	2330.00	
100 Vac - 120 Vac	ISSLEU0905	1675.00		ISSLEU0905	1675.00		ISSLEU0905	1675.00		ISSLEU0908	2330.00		ISSLEU0908	2330.00		ISSLEU0908	2330.00	
200 Vac - 250 Vac	ISSLEU0906	1675.00		ISSLEU0906	1675.00		ISSLEU0906	1675.00		ISSLEU0890	2330.00		ISSLEU0890	2330.00		ISSLEU0890	2330.00	
Under Voltage Release																		
24 Vdc	ISSLEU0804	2015.00		ISSLEU0804	2015.00		ISSLEU0804	2015.00		ISSLEU0912	3150.00		ISSLEU0912	3150.00		ISSLEU0912	3150.00	
48 Vdc	ISSLEU0805	2015.00		ISSLEU0805	2015.00		ISSLEU0805	2015.00										
100 Vdc - 110 Vdc	ISSLEU0909	2015.00		ISSLEU0909	2015.00		ISSLEU0909	2015.00										
100 Vac - 120 Vac	ISSLEU0910	2015.00		ISSLEU0910	2015.00		ISSLEU0910	2015.00		ISSLEU0914	3150.00		ISSLEU0914	3150.00		ISSLEU0914	3150.00	
200 Vac - 230 Vac	ISSLEU0893	2015.00		ISSLEU0893	2015.00		ISSLEU0893	2015.00		ISSLEU0895	3150.00		ISSLEU0895	3150.00		ISSLEU0895	3150.00	
380 Vac - 415 Vac	ISSLEU0894	2015.00		ISSLEU0894	2015.00		ISSLEU0894	2015.00		ISSLEU0896	3150.00		ISSLEU0896	3150.00		ISSLEU0896	3150.00	
Rotary Handle																		
Direct mounting	ISSLEU0806	1165.00		ISSLEU0809	1165.00		ISSLEU0812	1165.00		ISSLEU0815	1750.00		ISSLEU0815	2705.00		ISSLEU0916	2705.00	
Door Mounting	ISSLEU0820	1695.00		ISSLEU0821	1695.00		ISSLEU0822	1695.00		ISSLEU0823	2385.00		ISSLEU0823	3530.00		ISSLEU0824	3530.00	
Auxiliary Contact (250 Vac / 250 Vdc) (450 Vac / 250 Vdc)																		
1-Changeover	ISSLEU0791	785.00		ISSLEU0791	785.00		ISSLEU0791	785.00		ISSLEU0793	900.00		ISSLEU0793	900.00		ISSLEU0793	900.00	
2-Changeover	ISSLEU0792	1405.00		ISSLEU0792	1405.00		ISSLEU0792	1405.00										
Alarm Switch																		
Alarm Switch (Left side only)	ISSLEU0794	785.00		ISSLEU0794	785.00		ISSLEU0794	785.00		ISSLEU0796	900.00		ISSLEU0796	900.00		ISSLEU0796	900.00	
Alarm Switch (Right side only)	ISSLEU0795	785.00		ISSLEU0795	785.00		ISSLEU0795	785.00										
Auxiliary + Alarm Switch																		
Left side only	ISSLEU0799	1320.00		ISSLEU0799	1320.00		ISSLEU0799	1320.00										
Right side only	ISSLEU0797	1320.00		ISSLEU0797	1320.00		ISSLEU0797	1320.00										
Mechanical Interlock																		
2 Pole	ISSLEU0825	1750.00		ISSLEU0829	1750.00													
3 Pole	ISSLEU0826	1910.00		ISSLEU0830	1910.00		ISSLEU0833	2330.00		ISSLEU0836	3710.00		ISSLEU0838	4295.00		ISSLEU0838	4295.00	
4 Pole (N-R-S-T)	ISSLEU0828	2280.00		ISSLEU0832	2280.00		ISSLEU0835	2810.00		ISSLEU0837	4345.00		ISSLEU0843	5090.00		ISSLEU0843	5090.00	
Motor Operator																		
24 Vdc	ISSLEU0917	28385.00		ISSLEU0897	28385.00		ISSLEU0899	28385.00		ISSLEU0901	40275.00		ISSLEU0901	44875.00		ISSLEU0903	44875.00	
110 Vac / Vdc	ISSLEU0918	28385.00		ISSLEU0920	28385.00		ISSLEU0921	28385.00		ISSLEU0922	40275.00		ISSLEU0922	44875.00		ISSLEU0923	44875.00	
240 Vac / Vdc	ISSLEU0919	28385.00		ISSLEU0898	28385.00		ISSLEU0900	28385.00		ISSLEU0902	40275.00		ISSLEU0902	44875.00		ISSLEU0904	44875.00	

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	
	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 (₹)
Pad Lock Device	ISSLEU0844	1050.00	ISSLEU0844	1050.00	ISSLEU0844	1050.00	ISSLEU0845	1165.00	ISSLEU0845	1165.00	ISSLEU0845	1165.00
Auxiliary Handle							ISSLEU0846	1060.00	ISSLEU0846	1060.00	ISSLEU0846	1060.00
Terminals - Standard Type												
3 Pole (Set of 3)					ISSLEU0851	795.00			ISSLEU0849	1590.00	ISSLEU0849	1590.00
4 Pole (Set of 4)					ISSLEU0852	1060.00			ISSLEU0850	1960.00	ISSLEU0850	1960.00
Terminals - Extended Type												
3 Pole (Set of 3)	ISSLEX1158	POR	ISSLEX1160	POR	ISSLEU0853	1050.00	ISSLEU0847	1590.00				
4 Pole (Set of 4)	ISSLEX1159	POR	ISSLEX1161	POR	ISSLEU0854	1525.00	ISSLEU0848	1960.00				
Terminal Cover - Short Type												
2 Pole	ISSLEU0855	240.00	ISSLEU0861	245.00								
3 Pole	ISSLEU0856	355.00	ISSLEU0862	365.00	ISSLEU0867	415.00	ISSLEU0871	725.00	ISSLEU0875	800.00	ISSLEU0875	800.00
4 Pole	ISSLEU0857	475.00	ISSLEU0863	490.00	ISSLEU0868	545.00	ISSLEU0872	970.00	ISSLEU0876	1070.00	ISSLEU0876	1070.00
Terminal Cover - Long Type												
2 Pole	ISSLEU0858	355.00	ISSLEU0864	365.00								
3 Pole	ISSLEU0859	535.00	ISSLEU0865	550.00	ISSLEU0869	780.00	ISSLEU0873	1600.00	ISSLEU0877	1925.00	ISSLEU0877	1925.00
4 Pole	ISSLEU0860	610.00	ISSLEU0866	690.00	ISSLEU0870	915.00	ISSLEU0874	2240.00	ISSLEU0878	2670.00	ISSLEU0878	2670.00
Phase Barrier												
2 Pole (Set of 1)	ISSLEU0924	585.00	ISSLEU0924	585.00	ISSLEU0882	610.00						
3 Pole (Set of 2)	ISSLEU0880	640.00	ISSLEU0880	640.00	ISSLEU0883	690.00	ISSLEU0885	930.00	ISSLEU0885	930.00	ISSLEU0885	930.00
4 Pole (Set of 3)	ISSLEU0881	720.00	ISSLEU0881	720.00	ISSLEU0884	850.00	ISSLEU0886	1005.00	ISSLEU0886	1005.00	ISSLEU0886	1005.00
DIN Rail Adaptor	ISSLEU0887	620.00										
Enclosure												
3 Pole	ISSBOU1189	1390.00	ISSBOU1191	1515.00	ISSBOU1193	1910.00	ISS-BOU1195	6765.00	ISSBOU1197	7410.00	ISSBOU1199	7410.00
4 Pole	ISSBOU1190	1390.00	ISSBOU1192	1515.00	ISSBOU1194	1910.00	ISS-BOU1196	6765.00	ISSBOU1198	7410.00	ISSBOU1200	7410.00



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SH Frame: Fixed Thermal & Fixed Magnetic setting

Ics = 50% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Three Pole Item Code	Per Unit LP (₹)
10 kA	15 A	IHLSHAAT0015	POR
	25 A	IHLSHAAT0025	POR
	40 A	IHLSHAAT0040	POR

**ML1 Frame:** Fixed Thermal & Fixed Magnetic setting

Ics = 50% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Three Pole Item Code	Per Unit LP (₹)
10 kA	63 A	IHLM1AAT0063	1670.00
	80 A	IHLM1AAT0080#	1670.00
	100 A	IHLM1AAT0100#	1760.00
	125 A	IHLM1AAT0125#	2435.00

**GS Frame:** Fixed Thermal & Fixed Magnetic setting | Ics = 100% of Icu HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Single Pole Item Code	Per Unit LP (₹)	Three Pole Item Code	Per Unit LP (₹)	Four Pole wSN Item Code	Per Unit LP (₹)
10 kA	25 A	IHLGSS0025	870.00	IHLGST0025	1835.00	IHLGSF0025	2405.00
	32 A	IHLGSS0032	870.00	IHLGST0032	1835.00	IHLGSF0032	2405.00
	40 A	IHLGSS0040	870.00	IHLGST0040	1835.00	IHLGSF0040	2405.00
	50 A	IHLGSS0050	870.00	IHLGST0050	1835.00	IHLGSF0050	2405.00
	63 A	IHLGSS0063	870.00	IHLGST0063	1920.00	IHLGSF0063	2535.00
	80 A	IHLGSS0080 #	870.00	IHLGST0080 #	1955.00	IHLGSF0080 #	2950.00
	100 A	IHLGSS0100 #	870.00	IHLGST0100 #	1955.00	IHLGSF0100 #	2950.00
	125 A	IHLGSS0125 #	1095.00	IHLGST0125 #	3180.00	IHLGSF0125 #	3765.00
	150 A	IHLGSS0150 #	1165.00	IHLGST0150 #	3800.00	IHLGSF0150 #	5030.00
	160 A	IHLGSS0160 #	1180.00	IHLGST0160 #	3800.00	IHLGSF0160 #	5030.00

**GN Frame:** Fixed Thermal & Fixed Magnetic setting | Ics = 75% of Icu HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Single Pole Item Code	Per Unit LP (₹)	Three Pole Item Code	Per Unit LP (₹)	Four Pole wSN Item Code	Per Unit LP (₹)
16 kA	25 A	IHLGNS0025	1210.00	IHLGNT0025	3545.00	IHLGNF0025	4200.00
	32 A	IHLGNS0032	1210.00	IHLGNT0032	3545.00	IHLGNF0032	4200.00
	40 A	IHLGNS0040	1210.00	IHLGNT0040	3545.00	IHLGNF0040	4200.00
	50 A	IHLGNS0050	1210.00	IHLGNT0050	3545.00	IHLGNF0050	4200.00
	63 A	IHLGNS0063	1210.00	IHLGNT0063	3545.00	IHLGNF0063	4200.00
	80 A	IHLGNS0080 #	1210.00	IHLGNT0080 #	3735.00	IHLGNF0080 #	4540.00
	100 A	IHLGNS0100 #	1210.00	IHLGNT0100 #	3735.00	IHLGNF0100 #	4540.00
	125 A	IHLGNS0125 #	1260.00	IHLGNT0125 #	3985.00	IHLGNF0125 #	4820.00
	150 A	IHLGNS0150 #	1260.00	IHLGNT0150 #	4655.00	IHLGNF0150 #	5600.00
	160 A	IHLGNIS0160 #	1260.00	IHLGNT0160 #	4655.00	IHLGNF0160 #	5600.00

**GH Frame:** Fixed Thermal & Fixed Magnetic setting | Ics = 50% of Icu HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Single Pole Item Code	Per Unit LP (₹)	Three Pole Item Code	Per Unit LP (₹)	Four Pole (wSN) Item Code	Per Unit LP (₹)
25 kA	25 A	IHLGHDAS0025	1595.00	IHLGHT0025	4135.00	IHLGHF0025	5200.00
	32 A	IHLGHDAS0032	1595.00	IHLGHT0032	4135.00	IHLGHF0032	5200.00
	40 A	IHLGHDAS0040	1595.00	IHLGHT0040	4135.00	IHLGHF0040	5200.00
	50 A	IHLGHDAS0050	1595.00	IHLGHT0050	4135.00	IHLGHF0050	5200.00
	63 A	IHLGHDAS0063	1595.00	IHLGHT0063	4135.00	IHLGHF0063	5200.00
	80 A	IHLGHDAS0080 #	1595.00	IHLGHT0080 #	4610.00	IHLGHF0080 #	5645.00
	100 A	IHLGHDAS0100 #	1595.00	IHLGHT0100 #	4610.00	IHLGHF0100 #	5645.00
	125 A	IHLGHDAS0125 #	1640.00	IHLGHT0125 #	4815.00	IHLGHF0125 #	6330.00
	150 A	IHLGHDAS0150 #	1900.00	IHLGHT0150 #	7260.00	IHLGHF0150 #	8470.00
	160 A	IHLGHDAS0160 #	1900.00	IHLGHT0160 #	7260.00	IHLGHF0160 #	8470.00



* In ML1 63 A, GS 25 A / 32 A / 40 A / 50 A / 63 A are without extended terminals. However extended terminal are available on request at extra price for these rating
Extended Terminals: In ML1-Frame from (80 A to 125 A)

In G-Frame from (80 A to 160 A)

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

Industrial Switchgear

Loadline Moulded Case Circuit Breakers (AC 415 V)

(Conforms to IS/IEC:60947-2)

F Frame: Fixed Thermal & Fixed Magnetic setting

Ics = 100% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)	Four Pole (wSN) Item Code	Per Unit LP (₹)
35 kA	25 A	FN	IHLFNT0025	7095.00	IHLFNF0025	8055.00
	32 A		IHLFNT0032	7095.00	IHLFNF0032	8055.00
	40 A		IHLFNT0040	7095.00	IHLFNF0040	8055.00
	50 A		IHLFNT0050	7095.00	IHLFNF0050	8055.00
	63 A		IHLFNT0063	7095.00	IHLFNF0063	8055.00
	80 A		IHLFNT0080 #	7095.00	IHLFNF0080 #	8310.00
	100 A		IHLFNT0100 #	7095.00	IHLFNF0100 #	8310.00
	125 A		IHLFNT0125 #	8220.00	IHLFNF0125 #	9865.00
	160 A		IHLFNT0160 #	10565.00	IHLFNF0160 #	13210.00
	200 A		IHLFNT0200 #	12460.00	IHLFNF0200 #	16690.00
	250 A		IHLFNT0250 #	15630.00	IHLFNF0250 #	20390.00



Ics = 75% of Icu

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)	Four Pole (wSN) Item Code	Per Unit LP (₹)
50 kA	25 A	FH	IHLFHT0025	7545.00	IHLFHF0025	8560.00
	32 A		IHLFHT0032	7545.00	IHLFHF0032	8560.00
	40 A		IHLFHT0040	7545.00	IHLFHF0040	8560.00
	50 A		IHLFHT0050	7545.00	IHLFHF0050	8560.00
	63 A		IHLFHT0063	7545.00	IHLFHF0063	8560.00
	80 A		IHLFHT0080 #	8060.00	IHLFHF0080 #	9570.00
	100 A		IHLFHT0100 #	8060.00	IHLFHF0100 #	9570.00
	125 A		IHLFHT0125 #	9615.00	IHLFHF0125 #	12325.00
	160 A		IHLFHT0160 #	11510.00	IHLFHF0160 #	14390.00
	200 A		IHLFHT0200 #	13090.00	IHLFHF0200 #	17665.00
	250 A		IHLFHT0250 #	16155.00	IHLFHF0250 #	21545.00



A Frame: Adjustable Thermal* & Fixed Magnetic setting

Ics = 100% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)	Four Pole (wSN) Item Code	Per Unit LP (₹)
16 kA	160 A	AS	IHLAST0160 #	5615.00	IHLASF0160 #	7280.00
	200 A		IHLAST0200 #	6420.00	IHLASF0200 #	8095.00



Ics = 75% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Single Pole Item Code	Per Unit LP (₹)	Three Pole Item Code	Per Unit LP (₹)	Four Pole (wSN) Item Code	Per Unit LP (₹)
25 kA	25 A	AS	IHLASS0025	2280.00	IHLAST0025	4870.00	IHLASF0025	6745.00
	32 A		IHLASS0032	2280.00	IHLAST0032	4870.00	IHLASF0032	6745.00
	40 A		IHLASS0040	2280.00	IHLAST0040	4870.00	IHLASF0040	6745.00
	50 A		IHLASS0050	2280.00	IHLAST0050	4870.00	IHLASF0050	6745.00
	63 A		IHLASS0063	2280.00	IHLAST0063	4870.00	IHLASF0063	6745.00
	80 A		IHLASS0080 #	2240.00	IHLAST0080 #	5250.00	IHLASF0080 #	6940.00
	100 A		IHLASS0100 #	2240.00	IHLAST0100 #	5250.00	IHLASF0100 #	6940.00
	125 A		IHLASS0125 #	3435.00	IHLAST0125 #	6450.00	IHLASF0125 #	7530.00
	160 A	AN	IHLANS0160 #	3755.00	IHLANT0160 #	7305.00	IHLANF0160 #	9065.00
	200 A		IHLANS0200 #	3575.00	IHLANT0200 #	7745.00	IHLANF0200 #	9565.00
	250 A		IHLANS0250 #	3970.00	IHLANT0250 #	9060.00	IHLANF0250 #	11530.00

Note : Switch Disconnector versions in different frame sizes are also available for following ratings (Prices on request) G Frame 100 A, 125 A

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

Extended Terminals: In G-Frame from (80 A to 160 A) In F-Frame from (80 A to 250 A)

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

Ics = 75% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)	Four Pole (wSN) Item Code	Per Unit LP (₹)
35 kA	25 A	AN	IHLANT0025	6060.00	IHLANF0025	7405.00
	32 A		IHLANT0032	6060.00	IHLANF0032	7405.00
	40 A		IHLANT0040	6060.00	IHLANF0040	7405.00
	50 A		IHLANT0050	6060.00	IHLANF0050	7405.00
	63 A		IHLANT0063	6060.00	IHLANF0063	7405.00
	80 A		IHLANT0080 #	6730.00	IHLANF0080 #	7860.00
	100 A		IHLANT0100 #	6730.00	IHLANF0100 #	7860.00
	125 A		IHLANT0125 #	6995.00	IHLANF0125 #	8235.00

A Frame: Adjustable Thermal* & Adjustable Magnetic Setting

Ics = 100% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)	Four Pole (wSN) Item Code	Per Unit LP (₹)
16 kA	160 A	AS	IHLASBCT0160 #	5780.00	IHLASBCF0160 #	7840.00
	200 A		IHLASBCT0200 #	6585.00	IHLASBCF0200 #	8560.00

Ics = 75% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)	Four Pole (wSN) Item Code	Per Unit LP (₹)
25 kA	80 A	AS	IHLASDCT0080 #	5340.00	IHLASDCF0080 #	7040.00
	100 A		IHLASDCT0100 #	5340.00	IHLASDCF0100 #	7040.00
	125 A		IHLASDCT0125 #	6835.00	IHLASDCF0125 #	7920.00
	160 A	AN	IHLANDCT0160 #	7685.00	IHLANDCF0160 #	9455.00
	200 A		IHLANDCT0200 #	8055.00	IHLANDCF0200 #	9910.00
	250 A		IHLANDCT0250 #	9385.00	IHLANDCF0250 #	11870.00



Ics = 75% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)	Four Pole (wSN) Item Code	Per Unit LP (₹)
35 kA	80 A	AN	IHLANECT0080 #	7110.00	IHLANECF0080 #	8210.00
	100 A		IHLANECT0100 #	7110.00	IHLANECF0100 #	8210.00
	125 A		IHLANECT0125 #	7515.00	IHLANECF0125 #	8650.00



E1 Frame: Adjustable Thermal* & Fixed Magnetic setting

Ics = 100% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Single Pole Item Code Icu at 240V (kA)	Per Unit LP (₹)	Double Pole Item Code	Per Unit LP (₹)	Three Pole Item Code	Per Unit LP (₹)	Four Pole Item Code	Per Unit LP (₹)
10 kA	40 A	E1	IHLE1AAS0040	1625.00	IHLE1AAD0040	2375.00	IHLE1ABT0040	3090.00	IHLE1ABF0040	3605.00
	50 A		IHLE1AAS0050	1625.00	IHLE1AAD0050	2375.00	IHLE1ABT0050	3090.00	IHLE1ABF0050	3605.00
	63 A		IHLE1AAS0063	1625.00	IHLE1AAD0063	2375.00	IHLE1ABT0063	3090.00	IHLE1ABF0063	3605.00
	80 A		IHLE1AAS0080#	1625.00	IHLE1AAD0080#	2375.00	IHLE1ABT0080#	3195.00	IHLE1ABF0080#	3705.00
	100 A		IHLE1AAS0100#	1625.00	IHLE1AAD0100#	2375.00	IHLE1ABT0100#	3195.00	IHLE1ABF0100#	3705.00
	125 A		IHLE1AAS0125#	2195.00	IHLE1AAD0125#	3210.00	IHLE1ABT0125#	4175.00	IHLE1ABF0125#	4975.00
	160 A		IHLE1AAS0160#	2505.00	IHLE1AAD0160#	3665.00	IHLE1ABT0160#	4760.00	IHLE1ABF0160#	5745.00

*Adjustable thermal (80% -100%) - In TP & FP only

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

Switch Disconnecter versions in different frame sizes are also available for following ratings (Prices on request), - A Frame 200 A, 250 A

In E1 & A Frame 40 A / 50 A / 63 A, A Frame 25 A / 32 A / 40 A / 50 A / 63 A are without extended terminals, however extended terminals are available on request at extra price for these ratings
All MCCB's of rating 80 A & above are with extended terminals. MCCB's of rating 80 A & above are also available without extended terminals / spreader links (Price on Request).

Industrial Switchgear

Loadline Moulded Case Circuit Breakers (AC 415 V)

(Conforms to IS/IEC:60947-2)



HID Series: Adjustable Thermal* & Fixed Magnetic setting

Ics = 100% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Single Pole Item Code Icu at 240V (kA)	Per Unit LP (₹)	Double Pole Item Code	Per Unit LP (₹)	Three Pole Item Code	Per Unit LP (₹)	Four Pole Item Code	Per Unit LP (₹)
27 kA	40 A	HID1	IHA13DBS0040	2555.00	IHA13DBD0040	3735.00	IHA13DBT0040	4855.00	IHA13DBF0040	5660.00
	50 A		IHA13DBS0050	2555.00	IHA13DBD0050	3735.00	IHA13DBT0050	4855.00	IHA13DBF0050	5660.00
	63 A		IHA13DBS0063	2555.00	IHA13DBD0063	3735.00	IHA13DBT0063	4855.00	IHA13DBF0063	5660.00
	80 A		IHA13DBS0080#	2730.00	IHA13DBD0080#	4000.00	IHA13DBT0080#	5200.00	IHA13DBF0080#	6240.00
	100 A		IHA13DBS0100#	2730.00	IHA13DBD0100#	4000.00	IHA13DBT0100#	5200.00	IHA13DBF0100#	6240.00
	125 A		IHA13DBS0125#	3295.00	IHA13DBD0125#	4825.00	IHA13DBT0125#	6270.00	IHA13DBF0125#	7480.00
	160 A		IHA13DBS0160#	3955.00	IHA13DBD0160#	5785.00	IHA13DBT0160#	7515.00	IHA13DBF0160#	9070.00

Ics = 100% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Single Pole Item Code Icu at 240V (kA)	Per Unit LP (₹)	Double Pole Item Code	Per Unit LP (₹)	Three Pole Item Code	Per Unit LP (₹)	Four Pole Item Code	Per Unit LP (₹)
36 kA	40 A	HID1	IHA13EBS0040	3165.00	IHA13EBD0040	4620.00	IHA13EBT0040	6010.00	IHA13EBF0040	7165.00
	50 A		IHA13EBS0050	3165.00	IHA13EBD0050	4620.00	IHA13EBT0050	6010.00	IHA13EBF0050	7165.00
	63 A		IHA13EBS0063	3165.00	IHA13EBD0063	4620.00	IHA13EBT0063	6010.00	IHA13EBF0063	7165.00
	80 A		IHA13EBS0080#	3530.00	IHA13EBD0080#	5155.00	IHA13EBT0080#	6700.00	IHA13EBF0080#	8085.00
	100 A		IHA13EBS0100#	3530.00	IHA13EBD0100#	5155.00	IHA13EBT0100#	6700.00	IHA13EBF0100#	8085.00
	125 A		IHA13EBS0125#	3710.00	IHA13EBD0125#	5425.00	IHA13EBT0125#	7050.00	IHA13EBF0125#	8320.00
	160 A		IHA13EBS0160#	4745.00	IHA13EBD0160#	6930.00	IHA13EBT0160#	9010.00	IHA13EBF0160#	10395.00

L Frame: Adjustable Thermal* & Fixed Magnetic setting

Ics = 100% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)	Four Pole (wSN) Item Code	Per Unit LP (₹)
36 kA	200 A	LS	IHLLSEBT0200 #	15575.00	IHLLSEBF0200 #	18595.00
	250 A		IHLLSEBT0250 #	16730.00	IHLLSEBF0250 #	19985.00
	320 A		IHLLSEBT0320 #	18745.00	IHLLSEBF0320 #	23025.00
	400 A		IHLLSEBT0400 #	18745.00	IHLLSEBF0400 #	23025.00
	500 A		IHLLSEBT0500 #	21500.00	IHLLSEBF0500 #	26780.00
	630 A		IHLLSEBT0630 #	23785.00	IHLLSEBF0630 #	29455.00



Ics = 75% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)	Four Pole (wSN) Item Code	Per Unit LP (₹)
50 kA	200 A	LN	IHLLNFBT0200 #	16415.00	IHLLNFBF0200 #	19435.00
	250 A		IHLLNFBT0250 #	17780.00	IHLLNFBF0250 #	21035.00
	320 A		IHLLNFBT0320 #	20350.00	IHLLNFBF0320 #	24630.00
	400 A		IHLLNFBT0400 #	20350.00	IHLLNFBF0400 #	24630.00
	500 A		IHLLNFBT0500 #	23185.00	IHLLNFBF0500 #	28465.00
	630 A		IHLLNFBT0630 #	26620.00	IHLLNFBF0630 #	32290.00



Note : *Adjustable thermal (80% - 100%) - In TP & FP only

In HID1 Frame 25 A / 32 A / 40 A / 50 A / 63 A are without extended terminals, however extended terminals are available on request at extra price for these ratings

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

L Frame: Adjustable Thermal & Adjustable Magnetic setting*

Ics = 100% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)	Four Pole (wSN) Item Code	Per Unit LP (₹)
36 kA	200 A	LS	IHLLSECT0200 #	16185.00	IHLLSECF0200 #	19200.00
	250 A		IHLLSECT0250 #	17340.00	IHLLSECF0250 #	20595.00
	320 A		IHLLSECT0320 #	19385.00	IHLLSECF0320 #	23665.00
	400 A		IHLLSECT0400 #	19385.00	IHLLSECF0400 #	23665.00
	500 A		IHLLSECT0500 #	22200.00	IHLLSECF0500 #	27480.00
	630 A		IHLLSECT0630 #	24485.00	IHLLSECF0630 #	30155.00



Ics = 75% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)	Four Pole (wSN) Item Code	Per Unit LP (₹)
50 kA	200 A	LN	IHLLNFCT0200 #	17025.00	IHLLNFCF0200 #	20040.00
	250 A		IHLLNFCT0250 #	18390.00	IHLLNFCF0250 #	21645.00
	320 A		IHLLNFCT0320 #	20990.00	IHLLNFCF0320 #	25270.00
	400 A		IHLLNFCT0400 #	20990.00	IHLLNFCF0400 #	25270.00
	500 A		IHLLNFCT0500 #	23885.00	IHLLNFCF0500 #	29165.00
	630 A		IHLLNFCT0630 #	27320.00	IHLLNFCF0630 #	32990.00

Note : * Adjustable thermal (80% -100%) | # All MCCBs are with extended terminals & also available without extended terminal/spreader links (Price on Request)

C Frame: Adjustable Thermal & Adjustable Magnetic setting*

Ics = 75% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)	Four Pole (wSN) Item Code	Per Unit LP (₹)
35 kA	160 A	CN	IHLCNT0160 #	25370.00	IHLCNF0160 #	33385.00
	200 A		IHLCNT0200 #	25370.00	IHLCNF0200 #	33385.00
	250 A		IHLCNT0250 #	25370.00	IHLCNF0250 #	33385.00
	315 A		IHLCNT0315 #	26290.00	IHLCNF0315 #	34590.00
	400 A		IHLCNT0400 #	26290.00	IHLCNF0400 #	34590.00
	500 A		IHLCNT0500 #	31095.00	IHLCNF0500 #	38150.00
	630 A		IHLCNT0630 #	32120.00	IHLCNF0630 #	39405.00
	800 A		IHLCNT0800 #	37400.00	IHLCNF0800 #	46325.00



Ics = 50% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)	Four Pole (wSN) Item Code	Per Unit LP (₹)
50 kA	160 A	CH	IHLCHT0160 #	27905.00	IHLCHF0160 #	36975.00
	200 A		IHLCHT0200 #	27905.00	IHLCHF0200 #	36975.00
	250 A		IHLCHT0250 #	27905.00	IHLCHF0250 #	36975.00
	315 A		IHLCHT0315 #	27905.00	IHLCHF0315 #	36975.00
	400 A		IHLCHT0400 #	27905.00	IHLCHF0400 #	36975.00
	500 A		IHLCHT0500 #	34135.00	IHLCHF0500 #	42420.00
	630 A		IHLCHT0630 #	34135.00	IHLCHF0630 #	43115.00
	800 A		IHLCHT0800 #	40975.00	IHLCHF0800 #	49180.00



D Frame: Adjustable Thermal & Adjustable Magnetic setting*

Ics = 75% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)
50 kA	1000 A	DN	IHLDNT1000 #	89835.00
	1250 A		IHLDNT1250 #	102990.00
	1600 A		IHLDNT1600 #	111010.00

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

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

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

- D Frame 1250 A, 1600 A

All MCCB's are with extended terminals. MCCB's are also available without extended terminals / spreader links (except DN-Frame).



Industrial Switchgear

Loadline Moulded Case Circuit Breakers (AC 415 V)

(Conforms to IS/IEC:60947-2)

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	3765.00
	40 A		IHMCGNT0040	3765.00
	50 A		IHMCGNT0050	3765.00
	63 A		IHMCGNT0063	3765.00
	80 A		IHMCGNT0080 #	3765.00
	100 A		IHMCGNT0100 #	3765.00
	125 A		IHMCGNT0125 #	4665.00
	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	5295.00
	32 A		IHMCANT0032	5295.00
	40 A		IHMCAABT0040	#N/A
	50 A		IHMCAABT0050	5295.00
	63 A		IHMCANT0063	5295.00
	80 A		IHMCANT0080 #	5505.00
	100 A		IHMCAABT0100 #	5505.00
	125 A		IHMCAABT0125 #	7370.00
	160 A		IHMCANT0160 #	9355.00
	200 A		IHMCANT0200 #	9945.00
	250 A		IHMCANT0250 #	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	160 A	CH	IHMCCHT0160 #	27330.00
	200 A		IHMCCHT0200 #	27330.00
	250 A		IHMCCHT0250 #	27330.00
	315 A		IHMCCHT0315 #	27330.00
	400 A		IHMCCHT0400 #	27330.00
	500 A		IHMCCHT0500 #	32410.00
	630 A		IHMCCHT0630 #	32410.00
	800 A		IHMCCHT0800 #	39910.00

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

All the above MCCB's are with extended terminals.

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



Accessories for Loadline MCCB Enclosures

HSN Code: 8538

Sl.No.	Description	Item Code	Per Unit LP (₹)
1.	'ML' Frame TP	IHEMTP	900.00
2.	'G' Frame TP	IHEGTP	1575.00
3.	'G' Frame FP	IHEGFP	1575.00
4.	'A' Frame TP	IHEATP	1705.00
5.	'A' Frame FP	IHEAFP	1705.00
6.	'F' Frame TP	IHEFTP	1825.00
7.	'F' Frame FP	IHEFFP	1825.00
8.	'C' Frame TP / FP (400 A)	IHECTP / IHECFP	7605.00
9.	'C' Frame TP / FP (800 A)	IHECTS / IHECFS	8030.00
10.	'L' Frame TP	IHELTP	6530.00
11.	'L' Frame FP	IHELFP	7070.00
12.	HID Frame TP	ISSBOU1117	1705.00
13.	HID Frame FP	ISSBOU1118	1705.00



Accessories for Loadline Moulded Case Circuit Breakers

HSN Code: 8538

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	1035.00	IHLAS110	1100.00	ISSLEU0438	1250.00	IHLLS110	1710.00	IHLLSTF110	1275.00	IHLCS110	1660.00	IHLSTD110	1775.00
220 Vac - 240 Vac	IHLGS240	1035.00	IHLAS240	1100.00	ISSLEU0439	1250.00	IHLLS240	1710.00	IHLLSTF240	1275.00	IHLCS240	1660.00	IHLSTD240	1775.00
380 Vac - 415 Vac	IHLGS415	1035.00	IHLAS415	1100.00	ISSLEU0440	1250.00	IHLLS415	1710.00	IHLLSTF415	1275.00	IHLCS415	1660.00	IHLSTD415	1775.00
Under Voltage Release														
110 Vac - 120 Vac	IHLGU110	1275.00	IHLAU110	1450.00	-	-	IHLLU110	1905.00	IHLUVRF110	1450.00	IHLCU110	1940.00	IHLUVRD110	2135.00
220 Vac - 240 Vac	IHLGU240	1275.00	IHLAU240	1450.00	-	-	IHLLU240	1905.00	IHLUVRF240	1450.00	IHLCU240	1940.00	IHLUVRD240	2135.00
380 Vac - 440 Vac	IHLGU440	1275.00	IHLAU440	1450.00	-	-	IHLLU415	1905.00	IHLUVRF440	1450.00	IHLCU440	1940.00	IHLUVRD440	2135.00
Auxiliary Contact (250Vac/250Vdc) (450Vac/250Vdc)														
1-Changeover	IHLLASG1CO	700.00	IHLAA1CO	750.00	ISSLEU0444	690.00	IHLA1CO	800.00	IHLASF1CO	750.00	IHLASC1CO	1100.00	IHLASD1CO	1480.00
2-Changeover	IHLLASG2CO	795.00	IHLAA2CO	1030.00	ISSLEU0445	955.00	IHLA2CO	1300.00	IHLASF2CO	1030.00	IHLASC2CO	1375.00	IHLASD2CO	1800.00
Rotary Handle														
Direct mounting	IHLGD000	1035.00	IHLAD000	1340.00										
Door Mounting	IHLGRN30	1185.00	IHLARN30	1340.00	ISSLEU0494	1315	IHLRN30	2290.00	IHLRRHF30	1435.00	IHLRRHC30	2645.00	IHLRRHD30	4735.00
Trip Alarm Contact (Factory Fitted)	IHLLALG1CO	595.00	IHLLALA1CO	700.00	ISSLEU0447	725	IHLB000	760.00	IHLALF1CO	700.00	IHLALC1CO	1005.00	-	-

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	5585.00
2	125 A - 200 A	IHEF2200	6340.00
3	250 A - 400 A	IHEF3400	7390.00
4	500 A - 800 A	IHEF4800	9215.00

- 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.



Industrial Switchgear

Loadline Digital Moulded Case Circuit Breakers (AC 415 V)

(with adjustable microprocessor release) (Conforms to IS/IEC:60947-2)



FE Frame : Ics = 100% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)	Four Pole (wSN) Item Code	Per Unit LP (₹)
35 kA	25 A	FEN	IHLFENT0025	9325.00	IHLFENF0025	12070.00
	32 A		IHLFENT0032	9325.00	IHLFENF0032	12070.00
	40 A		IHLFENT0040	9325.00	IHLFENF0040	12070.00
	50 A		IHLFENT0050	9325.00	IHLFENF0050	12070.00
	63 A		IHLFENT0063	9325.00	IHLFENF0063	12070.00
	80 A		IHLFENT0080 #	9325.00	IHLFENF0080 #	12070.00
	100 A		IHLFENT0100 #	9325.00	IHLFENF0100 #	12070.00
	125 A		IHLFENT0125 #	11515.00	IHLFENF0125 #	14710.00
	160 A		IHLFENT0160 #	12310.00	IHLFENF0160 #	15555.00
	200 A		IHLFENT0200 #	15620.00	IHLFENF0200 #	18150.00
	250 A		IHLFENT0250 #	18130.00	IHLFENF0250 #	21335.00

Ics = 75% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)	Four Pole (wSN) Item Code	Per Unit LP (₹)
50 kA	25 A	FEH	IHLFEHT0025	9875.00	IHLFEHF0025	12620.00
	32 A		IHLFEHT0032	9875.00	IHLFEHF0032	12620.00
	40 A		IHLFEHT0040	9875.00	IHLFEHF0040	12620.00
	50 A		IHLFEHT0050	9875.00	IHLFEHF0050	12620.00
	63 A		IHLFEHT0063	9875.00	IHLFEHF0063	12620.00
	80 A		IHLFEHT0080 #	9875.00	IHLFEHF0080 #	12620.00
	100 A		IHLFEHT0100 #	9875.00	IHLFEHF0100 #	12620.00
	125 A		IHLFEHT0125 #	12145.00	IHLFEHF0125 #	15340.00
	160 A		IHLFEHT0160 #	13615.00	IHLFEHF0160 #	16850.00
	200 A		IHLFEHT0200 #	16940.00	IHLFEHF0200 #	19440.00
	250 A		IHLFEHT0250 #	19515.00	IHLFEHF0250 #	22670.00

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

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

In FEH Frame from (80 A - 250 A)

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

LE Frame : Ics = 100% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)	Four Pole (wSN) Item Code	Per Unit LP (₹)
36 kA	250 A	LES	IHLLSEET0250 #	24240.00	IHLLSEEF0250 #	29340.00
	320 A		IHLLSEET0320 #	24240.00	IHLLSEEF0320 #	29340.00
	400 A		IHLLSEET0400 #	24240.00	IHLLSEEF0400 #	29340.00
	500 A		IHLLSEET0500 #	25960.00	IHLLSEEF0500 #	34655.00
	630 A		IHLLSEET0630 #	25960.00	IHLLSEEF0630 #	34655.00

Ics = 75% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Item Code	Per Unit LP (₹)	Four Pole (wSN) Item Code	Per Unit LP (₹)
50 kA	250 A	LEN	IHLLNFET0250 #	26950.00	IHLLNFEF0250 #	33750.00
	320 A		IHLLNFET0320 #	26950.00	IHLLNFEF0320 #	33750.00
	400 A		IHLLNFET0400 #	26950.00	IHLLNFEF0400 #	33750.00
	500 A		IHLLNFET0500 #	29510.00	IHLLNFEF0500 #	38700.00
	630 A		IHLLNFET0630 #	29510.00	IHLLNFEF0630 #	38700.00

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

Extended terminal: In L Frame from (250 A - 630 A)

All the L Frame MCCBs are also available without extended terminals/spreaderlinks (Price on request)

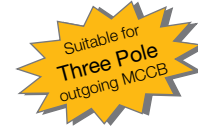
Single door



'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	34310.00	IHVG02500200	37490.00
	4	IHVG025004	43105.00	IHVG02500400	46235.00
	6	IHVG025006	49330.00	IHVG02500600	52485.00
	8	IHVG025008	53420.00	IHVG02500800	56575.00
	12	IHVG025012	65965.00	IHVG02501200	69070.00
	16	IHVG025016	77610.00	IHVG02501600	80765.00
400 A "LS" Frame MCCB	2	IHLG040002	40090.00	IHLG04000200	43800.00
	4	IHLG040004	47870.00	IHLG04000400	51340.00
	6	IHLG040006	50950.00	IHLG04000600	54210.00
	8	IHLG040008	54430.00	IHLG04000800	57645.00
	12	IHLG040012	70110.00	IHLG04001200	73400.00
	16	IHLG040016	83260.00	IHLG04001600	86645.00
400 A "CN" Frame MCCB	2	IHVG040002	42815.00	IHVG04000200	45985.00
	4	IHVG040004	50370.00	IHVG04000400	52410.00
	6	IHVG040006	58495.00	IHVG04000600	61680.00
	8	IHVG040008	61850.00	IHVG04000800	65040.00
	12	IHVG040012	75880.00	IHVG04001200	79400.00
	16	IHVG040016	86670.00	IHVG04001600	89875.00



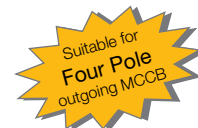
* The outgoings number of ways is the number of "G" Frame TP MCCBs that can be mounted. In case of SP MCCBs the number of MCCBs shall be three times the number of ways in TP MCCBs.

** 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	36930.00	IHVGF2500200	40040.00
	4	IHVGF25004	45935.00	IHVGF2500400	49075.00
	6	IHVGF25006	54090.00	IHVGF2500600	57190.00
	8	IHVGF25008	58370.00	IHVGF2500800	61515.00
	12	IHVGF25012	84680.00	IHVGF2501200	87810.00
400 A "LS" Frame MCCB	2	IHLGF40002	43145.00	IHLGF4000200	46785.00
	4	IHLGF40004	51010.00	IHLGF4000400	54490.00
	6	IHLGF40006	55860.00	IHLGF4000600	59070.00
	8	IHLGF40008	59475.00	IHLGF4000800	62685.00
	12	IHLGF40012	89995.00	IHLGF4001200	93320.00
400 A "CN" Frame MCCB	2	IHVGF40002	47165.00	IHVGF4000200	50355.00
	4	IHVGF40004	55925.00	IHVGF4000400	59130.00
	6	IHVGF40006	64160.00	IHVGF4000600	67355.00
	8	IHVGF40008	68215.00	IHVGF4000800	71405.00
	12	IHVGF40012	95240.00	IHVGF4001200	98450.00



* 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	13305.00	ISSBOU0690	14270.00
2	Cable Alley I/C 250 A,O/G 3P GF 6WAY & 4P 2/4Way	ISSBOU0675	17870.00	ISSBOU0691	18835.00
3	Cable Alley I/C 250 A,O/G 3P GF 8WAY & 4P 6Way	ISSBOU0676	18110.00	ISSBOU0692	19755.00
4	Cable Alley I/C 250 A,O/G 3P GF 12Way	ISSBOU0677	20545.00	ISSBOU0693	21115.00
5	Cable Alley I/C 250 A,O/G 4P GF 8Way	ISSBOU0678	20545.00	ISSBOU0694	21115.00
6	Cable Alley I/C 250 A,O/G 3P GF 16Way & 4P 12Way	ISSBOU0679	24200.00	ISSBOU0696	25115.00
7	Cable Alley I/C 400 A,O/G 3P GF 2/4Way	ISSBOU0680	15755.00	ISSBOU0697	16325.00
8	Cable Alley I/C 400 A,O/G 3P GF 6WAY & 4P 2/4Way	ISSBOU0681	15755.00	ISSBOU0698	16325.00
9	Cable Alley I/C 400 A/630 A/800 A, O/G 3P GF 8Way, 4P 6Way & A/F 6Way	ISSBOU0682	21180.00	ISSBOU0699	22210.00
10	Cable Alley I/C 400 A,O/G 3P GF 12Way	ISSBOU0683	24435.00	ISSBOU0700	25115.00
11	Cable Alley I/C 400 A/630 A/800 A, O/G 4P GF 8Way & TP A/F 8Way	ISSBOU0684	25685.00	ISSBOU0701	26255.00
12	Cable Alley I/C 400 A/630 A/800 A, O/G 4P GF 12Way, TP GF 16Way & TP A/F 12Way	ISSBOU0685	26830.00	ISSBOU0702	27400.00

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

Double door



'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	6	IHLA040006	69120.00	IHLA04000600	71640.00
"LS" Frame	8	IHLA040008	73835.00	IHLA04000800	76420.00
MCCB	12	IHLA040012	95100.00	IHLA04001200	97570.00
400 A	6	IHVA040006	87770.00	IHVA04000600	90970.00
"CN/CH" Frame	8	IHVA040008	91430.00	IHVA04000800	94630.00
MCCB	12	IHVA040012	123200.00	IHVA04001200	126405.00
630 A	6	IHVA063006	93140.00	IHVA06300600	96275.00
"CN/CH" Frame	8	IHVA063008	96485.00	IHVA06300800	99625.00
MCCB	12	IHVA063012	127205.00	IHVA06301200	130345.00
800 A	6	IHVA080006	93635.00	IHVA08000600	96775.00
"CN/CH" Frame	8	IHVA080008	97260.00	IHVA08000800	100400.00
MCCB	12	IHVA080012	128220.00	IHVA08001200	131360.00

* 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	15405.00	ISSBOU0706	15990.00
2	Meter Module - Digital	ISSBOU0711	18950.00	ISSBOU0707	19980.00

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	5935.00	ISSBOU0703	6850.00
2	MCB Module	ISSBOU0687	5935.00	ISSBOU0704	6850.00
3	Add on Module	ISSBOU0688	5935.00	ISSBOU0705	6850.00

* 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	11280.00
2	400 A & 630 A Incoming change Over switch - F2	ISSBOU0709	16570.00
3	800 A Incoming change Over switch - F3	ISSBOU0710	19385.00

** 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	44885.00
2	400 A Incoming change Over switch - F2	ISSBOU0713	59485.00
3	630 A Incoming change Over switch - F3	ISSBOU0714	66515.00



Industrial Switchgear

Euroload Changeover Switch (4 Pole)

(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	4535.00	IHCNFE0040	6475.00
00	063 A	IHCNFO0063	4765.00	IHCNFE0063	6900.00
00	080 A	IHCNFO0080	6215.00	IHCNFE0080	8095.00
00	100 A	IHCNFO0100	6390.00	IHCNFE0100	8690.00
0	125 A	IHCNFO0125	9550.00	IHCNFE0125	13035.00
0	160 A	IHCNFO0160	10225.00	IHCNFE0160	13880.00
0	200 A	IHCNFO0200	12265.00	IHCNFE0200	15995.00
1	250 A	IHCNFO0250	17740.00	IHCNFE0250	22120.00
1	320 A	IHCNFO0320	18745.00	IHCNFE0320	23135.00
2	400 A	IHCNFO0400	27090.00	IHCNFE0400	34045.00
2	630 A	IHCNFO0630	32185.00	IHCNFE0630	39390.00
3	800 A	IHCNFO0800	48175.00	IHCNFE0800	58340.00
4	1000 A	IHCNFO1000	82050.00	IHCNFE1000	106325.00
4	1250 A	IHCNFO1250	108935.00	IHCNFE1250	142350.00
4	1600 A	IHCNFO1600	129735.00	IHCNFE1600	191155.00
5	2000 A	IHCNFO2000	201000.00	IHCNFE2000	251865.00
5	2500 A	IHCNFO2500	266590.00	IHCNFE2500	321555.00
5	3150 A	IHCNFO3150	364970.00	IHCNFE3150	435625.00

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.



Euroload Four Pole By Pass Switch

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

HSN Code: 8536

Frame Size	Current Rating (A)	Open Execution Item Code	Per Unit LP (₹)
00	063 A	IHCBFO0063	8975.00
00	100 A	IHCBFO0100	10580.00
0	125 A	IHCBFO0125	13480.00
0	160 A	IHCBFO0160	16060.00
0	200 A	IHCBFO0200	17135.00
1	250 A	IHCBFO0250	23320.00
1	320 A	IHCBFO0320	24965.00
2	400 A	IHCBFO0400	33955.00
2	630 A	IHCBFO0630	44110.00
3	800 A	IHCBFO0800	64190.00
3	1000 A	IHCBFO1000	98355.00
3	1600 A	IHCBFO1600	166665.00

Accessories:

HSN Code: 8538

Aux. Contact	Item Code	Per Unit LP (₹)
1 NO. 1 NC.	IHCNFACT1CO	345.00
2 NO. 2 NC.	IHCNFACT2CO	465.00

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

Rating A	Item Code 3P	Per Unit LP (₹)	Item Code 4P	Per Unit LP (₹)
100 A	IHYTCDE100	42675.00	IHYFCDE100	47015.00
125 A	IHYTCDE125	47395.00	IHYFCDE125	52285.00
160 A	IHYTCDE160	55085.00	IHYFCDE160	59365.00
200 A	IHYTCDE200	73155.00	IHYFCDE200	77825.00
250 A	IHYTCDE250	77715.00	IHYFCDE250	82705.00
315 A	IHYTCDE315	84140.00	IHYFCDE315	88625.00
400 A	IHYTCDE400	102875.00	IHYFCDE400	107155.00
500 A	IHYTCDE500	120450.00	IHYFCDE500	125530.00
630 A	IHYTCDE630	132775.00	IHYFCDE630	137380.00



ATS without controller is available on request

Switch Disconnector Fuse (Panel Mounting Cubicle Type)

Double 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 Fuses		In Sheet Steel Encl. with Fuses		
32 A	IHKDDF4032	1785.00	IHKDDW4032	2475.00	IHHTIA0032
63 A	IHKDDF4063	2560.00	IHKDDW4063	3240.00	IHHTSS0063
100 A	IHKDDF4100	5100.00	IHKDDW4100	5820.00	IHHTSD0100
125 A	IHKDDF4125	5230.00	IHKDDW4125	5900.00	IHHTSD0125



Double 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 Fuses		In Sheet Steel Encl. with Fuses		
32 A	IHKFDF4032	2055.00	IHKFDW4032	2685.00	IHHCD00032
63 A	IHKFDF4063	2675.00	IHKFDW4063	3340.00	IHHCD00063
100 A	IHKFDF4100	5250.00	IHKFDW4100	5990.00	IHHCD00100
125 A	IHKFDF4125	5385.00	IHKFDW4125	6075.00	IHHCD00125

Komcompact plus Switch Disconnector 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	1980.00	IHKDTW4032	3585.00	IHHTIA0032
63 A	IHKDTF4063	2755.00	IHKDTW4063	4340.00	IHHTSS0063
100 A	IHKDTF4100	5730.00	IHKDTW4100	7275.00	IHHTSD0100
125 A	IHKDTF4125	6120.00	IHKDTW4125	7670.00	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	2370.00	IHKFTW4032	3910.00	IHHCD00032
63 A	IHKFTF4063	3050.00	IHKFTW4063	4645.00	IHHCD00063
100 A	IHKFTF4100	5905.00	IHKFTW4100	7490.00	IHHCD00100
125 A	IHKFTF4125	6305.00	IHKFTW4125	7905.00	IHHCD00125

Komcompact-EZO Switch Disconnector 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	7625.00	IHFSTW4160	10560.00	IHHTSF0160
200 A	IHFSTF4200	8850.00	IHFSTW4200	11635.00	IHHTSF0200
250 A	IHFSTF4250	10725.00	IHFSTW4250	13460.00	IHHTSF0250
320 A	IHFSTF4320	14505.00	IHFSTW4320	17915.00	IHHTSK0315
400 A	IHFSTF4400	16700.00	IHFSTW4400	20015.00	IHHTSMF400
630 A	IHFSTF4630	29790.00	IHFSTW4630	33995.00	IHHTLM0630
800 A	IHFSTF4800*	34590.00	IHFSTW4800*	38800.00	IHHTLM0800



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

* IHFSTO/W 4800 and IHFKTO/W 4800 available without Fuse Link.

Industrial Switchgear

Kompact *plus* Switch Disconnector Fuse Unit

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

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	8165.00	IHFKTW4160	10880.00	IHHCD01160
200 A	IHFKTF4200	9110.00	IHFKTW4200	11985.00	IHHCD01200
250 A	IHFKTF4250	11050.00	IHFKTW4250	13865.00	IHHCD01250
320 A	IHFKTF4320	15455.00	IHFKTW4320	18860.00	IHHCD02315
400 A	IHFKTF4400	17200.00	IHFKTW4400	20615.00	IHHCD02400
630 A	IHFKTF4630	27710.00	IHFKTW4630	32010.00	IHHCD03630
800 A	IHFKTF4800*	31230.00	IHFKTW4800*	35455.00	

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

* IHFKTF4800 & IHFKTW4800 available without Fuse Link

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	2625.00	IHKDFW4032	4285.00	IHHTIA0032
63 A	IHKDFF4063	3345.00	IHKDFW4063	5070.00	IHHTSS0063
100 A	IHKDFF4100	6730.00	IHKDFW4100	8280.00	IHHTSD0100
125 A	IHKDFF4125	6855.00	IHKDFW4125	8395.00	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	3095.00	IHKFFW4032	4685.00	IHHCD00032
63 A	IHKFFF4063	3635.00	IHKFFW4063	5220.00	IHHCD00063
100 A	IHKFFF4100	6930.00	IHKFFW4100	8530.00	IHHCD00100
125 A	IHKFFF4125	7060.00	IHKFFW4125	8650.00	IHHCD00125



Kompact-EZO Switch Disconnector 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	9845.00	IHFSEW4160	12485.00	IHHTSF0160
200 A	IHFSFF4200	10285.00	IHFSEW4200	13080.00	IHHTSF0200
250 A	IHFSFF4250	11915.00	IHFSEW4250	14570.00	IHHTSF0250
320 A	IHFSFF4320	15990.00	IHFSEW4320	19140.00	IHHTSK0315
400 A	IHFSFF4400	17820.00	IHFSEW4400	21540.00	IHHTSMF400
630 A	IHFSFF4630	32640.00	IHFSEW4630	36945.00	IHHTLM0630
800 A	IHFSFF4800*	37750.00	IHFSEW4800*	42045.00	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	10145.00	IHFKEW4160	12860.00	IHHCD01160
200 A	IHFKFF4200	11100.00	IHFKEW4200	13960.00	IHHCD01200
250 A	IHFKFF4250	11915.00	IHFKEW4250	14570.00	IHHCD01250
320 A	IHFKFF4320	15990.00	IHFKEW4320	19140.00	IHHCD02315
400 A	IHFKFF4400	17820.00	IHFKEW4400	21540.00	IHHCD02400
630 A	IHFKFF4630	32640.00	IHFKEW4630	36945.00	IHHCD03630
800 A	IHFKFF4800*	37750.00	IHFKEW4800*	42045.00	

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

* IHFSFO/W 4800 and IHFKFO/W 4800 available without Fuse Link.

* IHFKFF4800 & IHFKFW4800 available without Fuse Link



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



Busbar Chambers - **Optima Series** (Wall Mounted) HSN Code: 8536

Current Rating (A)	No. of	Item Code	Per Unit LP (₹)
63 A	4 WAY	IHBC006304	6985.00
	6 WAY	IHBC006306	8150.00
	8 WAY	IHBC006308	9385.00
100 A	4 WAY	IHBC010004	8390.00
	6 WAY	IHBC010006	11610.00
	8 WAY	IHBC010008	12205.00
200 A	4 WAY	IHBC020004	10490.00
	6 WAY	IHBC020006	13580.00
	8 WAY	IHBC020008	14820.00
250 A	4 WAY	IHBC025004	17365.00
	6 WAY	IHBC025006	27330.00
	8 WAY	IHBC025008	34175.00
315 A	4 WAY	IHBC031504	18145.00
	6 WAY	IHBC031506	28115.00
	8 WAY	IHBC031508	35930.00
400 A	4 WAY	IHBC040004	19600.00
	6 WAY	IHBC040006	29570.00
	8 WAY	IHBC040008	37180.00
630 A	4 WAY	IHBC063004	30020.00
	6 WAY	IHBC063006	39825.00
	8 WAY	IHBC063008	47905.00
800 A	4 WAY	IHBC080004	31930.00
	6 WAY	IHBC080006	42555.00
	8 WAY	IHBC080008	53875.00



Industrial Switchgear

HiBreak HBC Fuse Link

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

Bolted Type

HSN Code: 8536

IS Size	Tag Type	BS Type	Rated Voltage (V) AC	Breaking Capacity (kA)	Rating (A)	Item Code	Per Unit LP (₹)	STD Packing No. of unit/s
F-1	Offset	NS	415 V	80 kA	2 A	IHHNS00002	54.00	20 N
					4 A	IHHNS00004	54.00	
					6 A	IHHNS00006	54.00	
					10 A	IHHNS00010	54.00	
					16 A	IHHNS00016	54.00	
					20 A	IHHNS00020	63.00	20 N
					25 A	IHHNS00025	63.00	
					32 A	IHHNS00032	63.00	
A-2	Offset	TIA	415 V	80 kA	6 A	IHHTIA0006	80.00	10 N
					10 A	IHHTIA0010	80.00	
					16 A	IHHTIA0016	80.00	
					20 A	IHHTIA0020	80.00	
					25 A	IHHTIA0025	80.00	
					32 A	IHHTIA0032	80.00	
A-3	Offset	TSS	415 V	80 kA	36 A	IHHTSS0036	98.00	10 N
					50 A	IHHTSS0050	98.00	
					63 A	IHHTSS0063	98.00	
A-4	Offset	TSD	415 V	80 kA	80 A	IHHTSD0080	205.00	10 N
					100 A	IHHTSD0100	205.00	
					125 A	IHHTSD0125	205.00	
B-1	Central	TSDC	415 V	80 kA	80 A	IHHTSDC080	210.00	10 N
					100 A	IHHTSDC100	210.00	
					125 A	IHHTSDC125	210.00	
B-2	Central	TSF	415 V	80 kA	125 A	IHHTSF0125	315.00	10 N
					160 A	IHHTSF0160	315.00	
					200 A	IHHTSF0200	315.00	
					250 A	IHHTSF0250	345.00	10 N
B-3	Central	TSK	415 V	80 kA	225 A	IHHTSK0225	450.00	3 N
					250 A	IHHTSK0250	450.00	
					300 A	IHHTSK0300	450.00	
					315 A	IHHTSK0315	450.00	
B - 4	Central	TSMF	415 V	80 kA	400 A	IHHTSMF400	850.00	3 N
C - 1	Central	TSMS	415 V	80 kA	400 A	IHHTSMS400	850.00	3 N
C - 2	Central	TTS	415 V	80 kA	400 A	IHHTTS0400	970.00	1 N
					500 A	IHHTTS0500	970.00	
C - 2	Central	TTM	415 V	80 kA	400 A	IHHTTM0400	1315.00	1 N
					500 A	IHHTTM0500	1315.00	
C - 2	Central	TLM	415 V	80 kA	630 A	IHHTLM0630	1725.00	1 N
C - 2	Central	TLM	415 V	80 kA	800 A	IHHTLM0800	1920.00	1 N



Industrial Switchgear

HiBreak HBC Fuse Link

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

DIN Type

HSN Code: 8536

IS Size	Rated Voltage (V) AC	Breaking Capacity (kA)	Rating (A)	Item Code	Per Unit LP (₹)	STD Packing No. of unit/s
000	415 V	80 kA	6 A	IHHCD11006	230.00	3 N
			10 A	IHHCD11010	230.00	
			16 A	IHHCD11016	230.00	
			20 A	IHHCD11020	230.00	
			25 A	IHHCD11025	230.00	
			32 A	IHHCD11032	230.00	
			40 A	IHHCD11040	235.00	3 N
			50 A	IHHCD11050	235.00	
			63 A	IHHCD11063	235.00	
			80 A	IHHCD11080	235.00	
			100 A	IHHCD11100	235.00	
00	415 V	80 kA	6 A	IHHCD00006	240.00	3 N
			10 A	IHHCD00010	240.00	
			16 A	IHHCD00016	240.00	
			20 A	IHHCD00020	240.00	
			25 A	IHHCD00025	240.00	
			32 A	IHHCD00032	240.00	
			40 A	IHHCD00040	250.00	3 N
			50 A	IHHCD00050	250.00	
			63 A	IHHCD00063	250.00	
			80 A	IHHCD00080	270.00	3 N
			100 A	IHHCD00100	270.00	
			125 A	IHHCD00125	315.00	3 N
			160 A	IHHCD00160	335.00	3 N
01	415 V	80 kA	32 A	IHHCD01032	490.00	3 N
			40 A	IHHCD01040	490.00	
			50 A	IHHCD01050	490.00	
			63 A	IHHCD01063	490.00	
			80 A	IHHCD01080	490.00	
			100 A	IHHCD01100	490.00	
			125 A	IHHCD01125	490.00	
			160 A	IHHCD01160	500.00	3 N
			200 A	IHHCD01200	500.00	
			250 A	IHHCD01250	578.00	3 N
02	415 V	80 kA	200 A	IHHCD02200	760.00	1 N
			250 A	IHHCD02250	760.00	
			315 A	IHHCD02315	760.00	
			350 A	IHHCD02350	815.00	1 N
			400 A	IHHCD02400	815.00	
03	415 V	80 kA	425 A	IHHCD03425	1150.00	1 N
			500 A	IHHCD03500	1170.00	1 N
			630 A	IHHCD03630	1170.00	



Industrial Switchgear

HiBreak HBC Fuse Link

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

RH Type

HSN Code: 8536

Rated Voltage (V) AC	Breaking Capacity (kA)	Rating (A)	Item Code	Per Unit LP (₹)	STD Packing No. of unit/s
415 V	80 kA	2 A	IHHRH00002	99.00	20 N
		4 A	IHHRH00004	99.00	
		6 A	IHHRH00006	99.00	
		10 A	IHHRH00010	99.00	
		16 A	IHHRH00016	99.00	20 N
		20 A	IHHRH00020	99.00	
		25 A	IHHRH00025	99.00	
		32 A	IHHRH00032	99.00	
		40 A	IHHRH00040	110.00	20 N
		50 A	IHHRH00050	205.00	20 N
		63 A	IHHRH00063	215.00	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
100 A	IHUC00O100	Open Type Fuse Base	CD-00	305.00	6 N
125 A	IHUC00O125	Open Type Fuse Base	CD-00	315.00	6 N
160 A	IHUC00O160	Open Type Fuse Base	CD-00	340.00	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	IHIC01O250	Open Type Fuse Base	CD-1	590.00	3 N
400 A	IHIC02O400	Open Type Fuse Base	CD-2	915.00	3 N
630 A	IHIC03O630	Open Type Fuse Base	CD-3	1175.00	3 N





General Purpose Switchgear



Industrial Switchgear

General Purpose Load Changeover Switch

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

Onload Changeover Switch - AC 23 (side handle)

in sheet enclosure, 415 Vac, 50 Hz

HSN Code: 8536

Rating Ampere (A)	Item Code	Per Unit LP (₹)
	Double Pole	
32 A	IHBFE0032 (240 Vac)	1945.00
63 A	IHBFE0063 (240 Vac)	3755.00
	Four Pole	
32 A	IHBFFE0032	3475.00
63 A	IHBFFE0063	6980.00
100 A	IHBFFE0100	13950.00



Offload Changeover Switch- AC 21 (side handle)

in sheet enclosure, 415 Vac, 50 Hz

HSN Code: 8536

Rating Ampere (A)	Item Code	Per Unit LP (₹)
	Four Pole	
200 A	IHBFFE0200	21405.00
320 A	IHBFFE0320	26275.00
400 A	IHBFFE0400	34330.00
630 A	IHBFFE0630	53670.00
800 A	IHBFFE0800	66920.00
1000 A	IHBFFE1000	93305.00
1250 A	IHBFFE1250	200420.00
1500 A	IHBFFE1500	231290.00
2000 A	IHBFFE2000	325745.00

Kit-kat Rewireable (Porcelain Fuse carrier & Base)

Specification: IS: 2086

HSN Code: 8536

Ampere (A) / Voltage (V)	Item Code	Per Unit LP (₹)	STD Packing No. of unit/s
16 A / 240 V	IHKKRN2016	75.00	20 N
16 A / 415 V	IHKKRN4016	190.00	24 N
32 A / 240 V	IHKKRN2032	190.00	24 N
32 A / 415 V	IHKKRN4032	235.00	12 N
63 A / 415 V *	IHKKRN4063	380.00	12 N
63 A / 415 V #	IHKKDN4063	420.00	6 N
100 A / 415 V *	IHKKRN4100	680.00	6 N
100 A / 415 V #	IHKKDN4100	775.00	1 N
200 A / 415 V *	IHKKRN4200	1355.00	1 N
200 A / 415 V **	IHKKRT4200	1550.00	1 N
320 A / 415 V *	IHKKRN4320	1975.00	1 N
320 A / 415 V **	IHKKRT4320	2325.00	1 N

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



Industrial Switchgear

General Purpose Switch Fuse Units / Fuse Switches

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

Single Pole & Neutral / Double Pole HSN Code: 8537

Ampere (A) / Voltage (Vac)	Item Code	Per Unit LP (₹)
	Single Pole & Neutral	
16 A / 240 V	IHBRSE2016	665.00
32 A / 240 V	IHBRSE2032	1645.00
	Double Pole	
16 A / 240 V	IHBRDE2016	565.00
32 A / 240 V	IHBRDE2032	1250.00
32 A / 415 V	IHBRDE4032	2610.00
63 A / 415 V	IHBRDE4063	4010.00



Triple Pole with Neutral Link, 415 Vac, 50 Hz HSN Code: 8537

Rating Ampere (A)	Item Code	Per Unit LP (₹)	Item Code	Per Unit LP (₹)	Suitable Fuse Type
	With Rewireable Porcelain Fuse Units		With HBC cum rewireable Porcelain Fuse Units (W/O Fuse link)		
16 A	IHBRT4016	2045.00	—	—	—
32 A	IHBRT4032	2055.00	IHBHTE4032	2645.00	IHHTIA0032
63 A	IHBRT4063	4645.00	IHBHTE4063	5790.00	IHHTSS0063
100 A	IHBRT4100	8040.00	IHBHTE4100	10615.00	IHHTSD0100
200 A	IHBRT4200	14475.00	—	—	—
320 A	IHBRT4320	20285.00	—	—	—

Heavy Duty Double Break Fuse Switches - HBC Fuse type

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

In sheet enclosure, 415 Vac, 50 Hz HSN Code: 8537

Rating Ampere (A)	Item Code	Per Unit LP (₹)	Fuse Type
	Triple Pole & Neutral		
63 A	IHFNTW4063	8430.00	IHHTSS0063
100 A	IHFNTW4100	11400.00	IHHTSD0100
160 A	IHFNTW4160	17215.00	IHHTSD0160
200 A	IHFNTW4200	19425.00	IHHTSF0200
320 A	IHFNTW4320	21885.00	IHHTSK0315
400 A	IHFNTW4400	31400.00	IHHTSMF400
500 A	IHFNTW4500	44375.00	IHHTTM0500
800 A*	IHFNTW4800	55330.00	IHHTLM0630



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

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

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

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**



**(Contactor + Thyristor Switching)
APFC PANEL**



**High Linearity
BROAD BAND
FILTER**

**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	Item Code	Description	Per Unit LP (₹)
Rated Voltage 415 Vac, 3ø, 50 Hz, Delta Connection, Heavy Duty Cylindrical Capacitor			
10 kVAr	QHKTCS5010X0	10 kVAr / 415 V SecuRite APFC Panel CYCAP	51900.00
12 kVAr	QHKTCS5012X0	12 kVAr / 415 V SecuRite APFC Panel CYCAP	57666.00
15 kVAr	QHKTCS5015X0	15 kVAr / 415 V SecuRite APFC Panel CYCAP	72080.00
25 kVAr	QHKTCS5025X0	25 kVAr / 415 V SecuRite APFC Panel CYCAP	120131.00
30 kVAr	QHKTCS5030X0	30 kVAr / 415 V SecuRite APFC Panel CYCAP	124552.00
50 kVAr	QHKTCS5050X0	50 kVAr / 415 V SecuRite APFC Panel CYCAP	150713.00
75 kVAr	QHKTCS5075X0	75 kVAr / 415 V SecuRite APFC Panel CYCAP	226069.00
100 kVAr	QHKTCS5100X0	100 kVAr / 415 V SecuRite APFC Panel CYCAP	272591.00
125 kVAr	QHKTCS5125X0	125 kVAr / 415 V SecuRite APFC Panel CYCAP	327635.00
150 kVAr	QHKTCS5150X0	150 kVAr / 415 V SecuRite APFC Panel CYCAP	393164.00
175 kVAr	QHKTCS5175X0	175 kVAr / 415 V SecuRite APFC Panel CYCAP	458692.00
200 kVAr	QHKTCS5200X0	200 kVAr / 415 V SecuRite APFC Panel CYCAP	513296.00
225 kVAr	QHKTCS5225X0	225 kVAr / 415 V SecuRite APFC Panel CYCAP	577459.00
250 kVAr	QHKTCS5250X0	250 kVAr / 415 V SecuRite APFC Panel CYCAP	641621.00
275 kVAr	QHKTCS5275X0	275 kVAr / 415 V SecuRite APFC Panel CYCAP	705784.00
300 kVAr	QHKTCS5300X0	300 kVAr / 415 V SecuRite APFC Panel CYCAP	753560.00
325 kVAr	QHKTCS5325X0	325 kVAr / 415 V SecuRite APFC Panel CYCAP	816357.00
350 kVAr	QHKTCS5350X0	350 kVAr / 415 V SecuRite APFC Panel CYCAP	879154.00
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	306670.00
125 kVAr	QHKTMB5125X0	125 kVAr / 415 V SecuRite APFC Panel SQCAP	368590.00
150 kVAr	QHKTMB5150X0	150 kVAr / 415 V SecuRite APFC Panel SQCAP	442305.00
175 kVAr	QHKTMB5175X0	175 kVAr / 415 V SecuRite APFC Panel SQCAP	516027.00
200 kVAr	QHKTMB5200X0	200 kVAr / 415 V SecuRite APFC Panel SQCAP	578824.00
225 kVAr	QHKTMB5225X0	225 kVAr / 415 V SecuRite APFC Panel SQCAP	651174.00
250 kVAr	QHKTMB5250X0	250 kVAr / 415 V SecuRite APFC Panel SQCAP	723530.00
275 kVAr	QHKTMB5275X0	275 kVAr / 415 V SecuRite APFC Panel SQCAP	795880.00
300 kVAr	QHKTMB5300X0	300 kVAr / 415 V SecuRite APFC Panel SQCAP	851849.00
325 kVAr	QHKTMB5325X0	325 kVAr / 415 V SecuRite APFC Panel SQCAP	922840.00
350 kVAr	QHKTMB5350X0	350 kVAr / 415 V SecuRite APFC Panel SQCAP	993823.00
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	407404.00
125 kVAr	QHKTEB5125X0	125 kVAr / 415 V SecuRite APFC Panel SQCAP DTR	450499.00
kVAr 150	QHKTEB5150X0	150 kVAr / 415 V SecuRite APFC Panel SQCAP DTR	540601.00
175 kVAr	QHKTEB5175X0	175 kVAr / 415 V SecuRite APFC Panel SQCAP DTR	630696.00
200 kVAr	QHKTEB5200X0	200 kVAr / 415 V SecuRite APFC Panel SQCAP DTR	709874.00
225 kVAr	QHKTEB5225X0	225 kVAr / 415 V SecuRite APFC Panel SQCAP DTR	798611.00
250 kVAr	QHKTEB5250X0	250 kVAr / 415 V SecuRite APFC Panel SQCAP DTR	887348.00
275 kVAr	QHKTEB5275X0	275 kVAr / 415 V SecuRite APFC Panel SQCAP DTR	976077.00
300 kVAr	QHKTEB5300X0	300 kVAr / 415 V SecuRite APFC Panel SQCAP DTR	1048434.00
325 kVAr	QHKTEB5325X0	325 kVAr / 415 V SecuRite APFC Panel SQCAP DTR	1135798.00
350 kVAr	QHKTEB5350X0	350 kVAr / 415 V SecuRite APFC Panel SQCAP DTR	1223169.00

Other Ratings on request

Thyristor Switching Panel

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

Industrial Switchgear

Accessories for APFCS Panel Installation Current Transformers

IS: 2705 / IEC: 60044

HSN Code: 8504

Rating	Item Code	Description	Class / VA Burden	MOQ	Per Unit LP (₹)
25 A / 5 A	QSCELMLX0002	CT 25/5A CL1 5 VA Spare	1.0 / 5 VA	3	908.00
50 A / 5 A	QSCELML0137	CT 50/5A CL1 5 VA Spare	1.0 / 5 VA	3	919.00
75 A / 5 A	QSCELMLX0003	CT 75/5A CL1 5 VA Spare	1.0 / 5 VA	3	929.00
100 A / 5 A	QSCELFBOL001	CT 100/5A CL1 5 VA Spare	1.0 / 5 VA	3	945.00
150 A / 5 A	QSCELML0138	CT 150/5A CL1 5 VA Spare	1.0 / 5 VA	3	956.00
200 A / 5 A	QSCELML0139	CT 200/5A CL1 5 VA Spare	1.0 / 5 VA	3	977.00
250 A / 5 A	QSCELML00102	CT 250/5A CL1 5 VA Spare	1.0 / 5 VA	3	987.00
300 A / 5 A	QSCELML0140	CT 300/5A CL1 5 VA Spare	1.0 / 5 VA	3	1092.00
400 A / 5 A	QSCELML0122	CT 400/5A CL1 5 VA Spare	1.0 / 5 VA	3	1103.00
450 A / 5 A	QSCELML0141	CT 450/5A CL1 5 VA Spare	1.0 / 5 VA	3	1118.00
500 A / 5 A	QSCELMLX0004	CT 500/5A CL1 5 VA Spare	1.0 / 5 VA	3	1129.00
600 A / 5 A	QSCELML0142	CT 600/5A CL1 5 VA Spare	1.0 / 5 VA	3	1139.00
800 A / 5 A	QSCELML0125	CT 800/5A CL1 5 VA Spare	1.0 / 5 VA	3	1150.00
1000 A / 5 A	QSCELML0143	CT 1000/5A CL1 5 VA Spare	1.0 / 5 VA	3	1166.00

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:

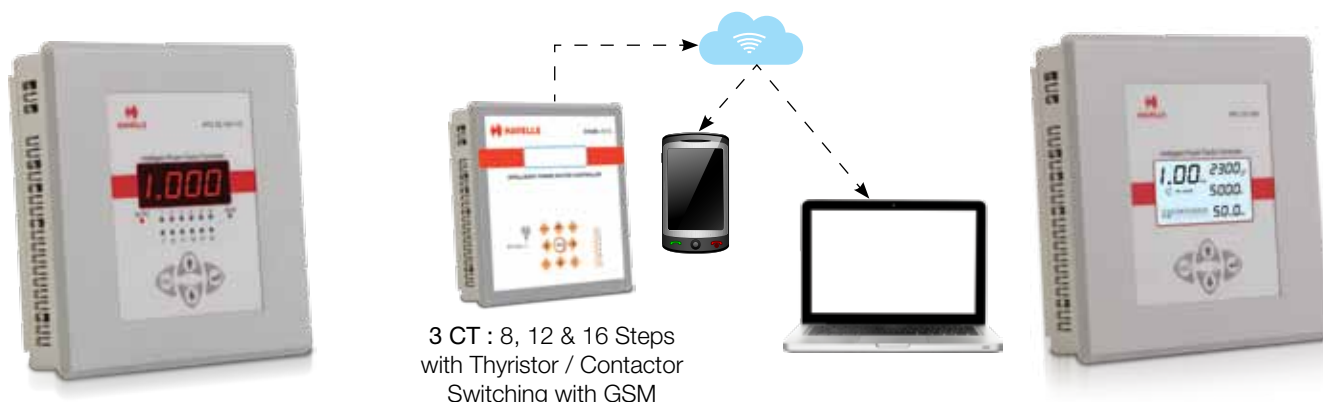
- LCD Type with dual colour backlight
- Auxiliary supply 90 Vac - 550 Vac
- Dual Password Protection
- Automatic CT Polarity detection
- NTC Temperature Sensor
- Communication Interface RS 485 & ModBus RTU (Only for 12 Relay option)
- Power Factor Measurement Range: 0.8 lag to 0.8 lead

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		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 / HD 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 / 2.2 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 / 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	50000 / 52500	65000 / 80000	125000	135000
Max Ambient Temp (°C)	55	60	65	70	75
Operating life in hours	120000	200000 / 215000	250000 / 300000	325000	400000
Notch Shield	Yes	Yes	Yes	Yes	Yes
Over pressure Disconnector	Yes	Yes	Yes	-	-
Triple Safety	Yes	Yes	Yes	Yes	Yes

Torrent - Splendid Duty Cylindrical 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 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	305.00
3 kVAr	QHUTCC5003X0	Torrent 440 V 50 Hz-3 kVAr 3 PH	3.94	3 X 16.4	1 N	16 N	455.00
4 kVAr	QHUTCC5004X0	Torrent 440 V 50 Hz-4 kVAr 3 PH	5.25	3 X 21.9	1 N	16 N	605.00
5 kVAr	QHUTCC5005X0	Torrent 440 V 50 Hz-5 kVAr 3 PH	6.56	3 X 27.4	1 N	16 N	750.00
6 kVAr	QHUTCC5006X0	Torrent 440 V 50 Hz-6 kVAr 3 PH	7.87	3 X 32.9	1 N	8 N	910.00
7.5 kVAr	QHUTCC5007X5	Torrent 440 V 50 Hz-7.5 kVAr 3P H	9.84	3 X 41.1	1 N	8 N	1140.00
10 kVAr	QHUTCC5010X0	Torrent 440 V 50 Hz-10 kVAr 3 PH	13.12	3 X 54.8	1 N	8 N	1500.00
12.5 kVAr	QHUTCC5012X5	Torrent 440 V 50 Hz-12.5 kVAr 3 PH	16.40	3 X 68.5	1 N	8 N	1895.00
15 kVAr	QHUTCC5015X0	Torrent 440 V 50 Hz-15 kVAr 3 PH	19.68	3 X 82.2	1 N	4 N	2250.00
20 kVAr	QHUTCC5020X0	Torrent 440 V 50 Hz-20 kVAr 3 PH	26.24	3 X 109.6	1 N	4 N	3005.00
25 kVAr	QHUTCC5025X0	Torrent 440 V 50 Hz-25 kVAr 3 PH	32.80	3 X 137.0	1 N	4 N	3750.00
30 kVAr	QHUTCC5030X0	Torrent 440 V 50 Hz-30 kVAr 3 PH	39.37	3 X 164.4	1 N	4 N	4550.00
Rated Voltage 480 Vac, 3ø, 50 Hz, Delta Connection							
5 kVAr	QHUTCD5005X0	Torrent 480 V 50 Hz-5 kVAr 3 PH	6.01	3 x 23.0	1 N	16 N	760.00
7.5 kVAr	QHUTCD5007X5	Torrent 480 V 50 Hz-7.5 kVAr 3 PH	9.02	3 x 34.5	1 N	8 N	1140.00
10 kVAr	QHUTCD5010X0	Torrent 480 V 50 Hz-10 kVAr 3 PH	12.03	3 x 46.0	1 N	8 N	1515.00
12.5 kVAr	QHUTCD5012X5	Torrent 480 V 50 Hz-12.5 kVAr 3 PH	15.04	3 x 57.6	1 N	4 N	1895.00
15 kVAr	QHUTCD5015X0	Torrent 480 V 50 Hz-15 kVAr 3 PH	18.04	3 x 69.1	1 N	4 N	2275.00
20 kVAr	QHUTCD5020X0	Torrent 480 V 50 Hz-20 kVAr 3 PH	24.06	3 x 92.1	1 N	4 N	3035.00
25 kVAr	QHUTCD5025X0	Torrent 480 V 50 Hz-25 kVAr 3 PH	30.07	3 x 115.1	1 N	4 N	3795.00
30 kVAr	QHUTCD5030X0	Torrent 480 V 50 Hz-30 kVAr 3 PH	36.09	3 x 138.1	1 N	4 N	4550.00

Other Ratings on request

Warrior HD Plus - Heavy Duty Plus Cylindrical Capacitors

(IS: 13340 / IEC: 60831)

HSN Code: 8532

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	QHBTCC5001X0	Warrior HD Plus 440 V 50 Hz 1 kVAr 3 PH	1.31	3 X 5.5	1 N	16 N	292.00
2 kVAr	QHBTCC5002X0	Warrior HD PLUS 440 V 50 Hz 2 kVAr 3 PH	2.62	3 X 11.0	1 N	16 N	450.00
3 kVAr	QHBTCC5003X0	Warrior HD PLUS 440 V 50 Hz 3 kVAr 3 PH	3.94	3 X 16.4	1 N	16 N	675.00
4 kVAr	QHBTCC5004X0	Warrior HD PLUS 440 V 50 Hz 4 kVAr 3 PH	5.25	3 X 21.9	1 N	16 N	900.00
5 kVAr	QHBTCC5005X0	Warrior HD PLUS 440 V 50 Hz 5 kVAr 3 PH	6.56	3 X 27.4	1 N	16 N	1125.00
6 kVAr	QHBTCC5006X0	Warrior HD PLUS 440 V 50 Hz 6 kVAr 3 PH	7.87	3 X 32.9	1 N	8 N	1350.00
7.5 kVAr	QHBTCC5007X5	Warrior HD PLUS 440 V 50 Hz 7.5 kVAr 3 PH	9.84	3 X 41.1	1 N	8 N	1688.00
8 kVAr	QHBTCC5008X0	Warrior HD PLUS 440 V 50 Hz 8 kVAr 3 PH	10.50	3 X 43.8	1 N	8 N	1800.00
10 kVAr	QHBTCC5010X0	Warrior HD PLUS 440 V 50 Hz 10 kVAr 3 PH	13.12	3 X 54.8	1 N	4 N	2250.00
12.5 kVAr	QHBTCC5012X5	Warrior HD PLUS 440 V 50 Hz 12.5 kVAr 3 PH	16.40	3 X 68.5	1 N	4 N	2813.00
15 kVAr	QHBTCC5015X0	Warrior HD PLUS 440 V 50 Hz 15 kVAr 3 PH	19.68	3 X 82.2	1 N	4 N	3375.00
20 kVAr	QHBTCC5020X0	Warrior HD PLUS 440 V 50 Hz 20 kVAr 3 PH	26.24	3 X 109.6	1 N	4 N	4500.00
25 kVAr	QHBTCC5025X0	Warrior HD PLUS 440 V 50 Hz 25 kVAr 3 PH	32.80	3 X 137.0	1 N	4 N	5625.00
Rated Voltage 480 Vac, 3ø, 50 Hz, Delta Connection							
5 kVAr	QHBTCD5005X0	Warrior HD PLUS 480 V 50 Hz 5 kVAr 3 PH	6.01	3 x 23.0	1 N	16 N	1125.00
7.5 kVAr	QHBTCD5007X5	Warrior HD PLUS 480 V 50 Hz 7.5 kVAr 3 PH	9.02	3 x 34.5	1 N	8 N	1688.00
10 kVAr	QHBTCD5010X0	Warrior HD PLUS 480 V 50 Hz 10 kVAr 3 PH	12.03	3 x 46.0	1 N	4 N	2250.00
12.5 kVAr	QHBTCD5012X5	Warrior HD PLUS 480 V 50 Hz 12.5 kVAr 3 PH	15.04	3 x 57.6	1 N	4 N	2813.00
15 kVAr	QHBTCD5015X0	Warrior HD PLUS 480 V 50 Hz 15 kVAr 3 PH	18.04	3 x 69.1	1 N	4 N	3375.00
20 kVAr	QHBTCD5020X0	Warrior HD PLUS 480 V 50 Hz 20 kVAr 3 PH	24.06	3 x 92.1	1 N	4 N	4500.00
25 kVAr	QHBTCD5025X0	Warrior HD PLUS 480 V 50 Hz 25 kVAr 3 PH	30.07	3 x 115.1	1 N	4 N	5625.00

Other Ratings on request

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 525 Vac, 3ø, 50 Hz, Delta Connection							
5 kVAr	QHBTCTF5005X0	Warrior HD PLUS 525 V 50 Hz 5 kVAr 3 PH	5.50	3 X 19.2	1 N	16 N	1181.00
7.5 kVAr	QHBTCTF5007X5	Warrior HD PLUS 525 V 50 Hz 7.5 kVAr 3 PH	8.25	3 X 28.9	1 N	8 N	1772.00
10 kVAr	QHBTCTF5010X0	Warrior HD PLUS 525 V 50 Hz 10 kVAr 3 PH	13.75	3 X 48.1	1 N	4 N	2363.00
12.5 kVAr	QHBTCTF5012X5	Warrior HD PLUS 525 V 50 Hz 12.5 kVAr 3 PH	14.52	3 X 50.8	1 N	4 N	2954.00
15 kVAr	QHBTCTF5015X0	Warrior HD PLUS 525 V 50 Hz 15 kVAr 3 PH	18.37	3 X 64.3	1 N	4 N	3544.00
20 kVAr	QHBTCTF5020X0	Warrior HD PLUS 525 V 50 Hz 20 kVAr 3 PH	29.14	3 X 102.0	1 N	4 N	4725.00
25 kVAr	QHBTCTF5025X0	Warrior HD PLUS 525 V 50 Hz 25 kVAr 3 PH	27.50	3 x 96.25	1 N	4 N	5906.00

Other Ratings on request

Super Heavy Duty MPP Capacitors - Gas Filled

Rating kVAr	Item 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

Optimus SHD - Super Heavy Duty Cylindrical Capacitors

(IS: 13340 / IEC: 60831)

HSN Code: 8532

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	QHSTCC5001X0	Optimus SHD 440 V 50 Hz 1 kVAr 3 PH	1.31	3 X 5.5	1 N	16 N	330.00
2 kVAr	QHSTCC5002X0	Optimus SHD 440 V 50 Hz 2 kVAr 3 PH	2.62	3 X 11.0	1 N	16 N	534.00
3 kVAr	QHSTCC5003X0	Optimus SHD 440 V 50 Hz 3 kVAr 3 PH	3.94	3 X 16.4	1 N	16 N	800.00
4 kVAr	QHSTCC5004X0	Optimus SHD 440 V 50 Hz 4 kVAr 3 PH	5.25	3 X 21.9	1 N	16 N	1067.00
5 kVAr	QHSTCC5005X0	Optimus SHD 440 V 50 Hz 5 kVAr 3 PH	6.56	3 X 27.4	1 N	16 N	1334.00
6 kVAr	QHSTCC5006X0	Optimus SHD 440 V 50 Hz 6 kVAr 3 PH	7.87	3 X 32.9	1 N	8 N	1600.00
7.5 kVAr	QHSTCC5007X5	Optimus SHD 440 V 50 Hz 7.5 kVAr 3 PH	9.84	3 X 41.1	1 N	8 N	2000.00
8 kVAr	QHSTCC5008X0	Optimus SHD 440 V 50 Hz 8 kVAr 3 PH	10.50	3 X 43.8	1 N	8 N	2134.00
10 kVAr	QHSTCC5010X0	Optimus SHD 440 V 50 Hz 10 kVAr 3 PH	13.12	3 X 54.8	1 N	4 N	2667.00
12.5 kVAr	QHSTCC5012X5	Optimus SHD 440 V 50 Hz 12.5 kVAr 3 PH	16.40	3 X 68.5	1 N	4 N	3334.00
15 kVAr	QHSTCC5015X0	Optimus SHD 440 V 50 Hz 15 kVAr 3 PH	19.68	3 X 82.2	1 N	4 N	4000.00
20 kVAr	QHSTCC5020X0	Optimus SHD 440 V 50 Hz 20 kVAr 3 PH	26.24	3 X 109.6	1 N	4 N	5334.00
25 kVAr	QHSTCC5025X0	Optimus SHD 440 V 50 Hz 25 kVAr 3 PH	32.82	3 X 137.0	1 N	4 N	6667.00
Rated Voltage 480 Vac, 3ø, 50 Hz, Delta Connection							
5 kVAr	QHSTCD5005X0	Optimus SHD 480 V 50 Hz 5 kVAr 3 PH	6.01	3 x 23.0	1 N	16 N	1334.00
7.5 kVAr	QHSTCD5007X5	Optimus SHD 480 V 50 Hz 7.5 kVAr 3 PH	9.02	3 x 34.5	1 N	8 N	2000.00
10 kVAr	QHSTCD5010X0	Optimus SHD 480 V 50 Hz 10 kVAr 3 PH	12.03	3 x 46.0	1 N	4 N	2667.00
12.5 kVAr	QHSTCD5012X5	Optimus SHD 480 V 50 Hz 12.5 kVAr 3 PH	15.04	3 x 57.6	1 N	4 N	3334.00
15 kVAr	QHSTCD5015X0	Optimus SHD 480 V 50 Hz 15 kVAr 3 PH	18.04	3 x 69.1	1 N	4 N	4000.00
20 kVAr	QHSTCD5020X0	Optimus SHD 480 V 50 Hz 20 kVAr 3 PH	24.06	3 x 92.1	1 N	4 N	5334.00
25 kVAr	QHSTCD5025X0	Optimus SHD 480 V 50 Hz 25 kVAr 3 PH	30.07	3 x 115.1	1 N	4 N	6668.00
Rated Voltage 525 Vac, 3ø, 50 Hz, Delta Connection							
5 kVAr	QHSTCF5005X0	Optimus SHD 525 V 50 Hz 5 kVAr 3 PH	5.50	3 X 19.2	1 N	16 N	1334.00
7.5 kVAr	QHSTCF5007X5	Optimus SHD 525 V 50 Hz 7.5 kVAr 3 PH	8.25	3 X 28.9	1 N	8 N	2000.00
10 kVAr	QHSTCF5010X0	Optimus SHD 525 V 50 Hz 10 kVAr 3 PH	13.75	3 X 48.1	1 N	4 N	2667.00
12.5 kVAr	QHSTCF5012X5	Optimus SHD 525 V 50 Hz 12.5 kVAr 3 PH	14.52	3 X 50.8	1 N	4 N	3334.00
15 kVAr	QHSTCF5015X0	Optimus SHD 525 V 50 Hz 15 kVAr 3 PH	18.37	3 X 64.3	1 N	4 N	4000.00
20 kVAr	QHSTCF5020X0	Optimus SHD 525 V 50 Hz 20 kVAr 3 PH	29.14	3 X 102.0	1 N	4 N	5334.00
25 kVAr	QHSTCF5025X0	Optimus SHD 525 V 50 Hz 25 kVAr 3 PH	27.50	3 X 96.25	1 N	4 N	6668.00

Other Ratings on request

Industrial Switchgear

Mini Master / Master - Splendid Duty Square Capacitors

(IS: 13340 / IEC: 60831)

HSN Code: 8532

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	420.00
3 kVAr	QHNTMC5003X0	Mini Master 440 V 50 Hz-3 kVAr 3 PH	3.94	3 x 16.4	1 N	24 N	625.00
4 kVAr	QHNTMC5004X0	Mini Master 440 V 50 Hz-4 kVAr 3 PH	5.25	3 x 21.9	1 N	24 N	835.00
5 kVAr	QHNTMC5005X0	Mini Master 440 V 50 Hz-5 kVAr 3 PH	6.56	3 x 27.4	1 N	24 N	970.00
6 kVAr	QHNTMC5006X0	Master 440 V 50 Hz-6 kVAr 3 PH	7.87	3 x 32.9	1 N	1 N	1165.00
7.5 kVAr	QHNTMC5007X5	Master 440 V 50 Hz-7.5 kVAr 3 PH	9.84	3 x 41.1	1 N	1 N	1460.00
8 kVAr	QHNTMC5008X0	Master 440 V 50 Hz-8 kVAr 3 PH	10.5	3 x 43.8	1 N	1 N	1555.00
10 kVAr	QHNTMC5010X0	Master 440 V 50 Hz-10 kVAr 3 PH	13.12	3 x 54.8	1 N	1 N	1945.00
12.5 kVAr	QHNTMC5012X5	Master 440 V 50 Hz-12.5 kVAr 3 PH	16.40	3 x 68.5	1 N	1 N	2430.00
15 kVAr	QHNTMC5015X0	Master 440 V 50 Hz-15 kVAr 3 PH	19.68	3 x 82.2	1 N	1 N	2915.00
20 kVAr	QHNTMC5020X0	Master 440 V 50 Hz-20 kVAr 3 PH	26.24	6 x 54.8	1 N	1 N	3885.00
25 kVAr	QHNTMC5025X0	Master 440 V 50 Hz-25 kVAr 3 PH	32.80	6 x 68.5	1 N	1 N	4860.00
30 kVAr	QHNTMC5030X0	Master 440 V 50 Hz-30 kVAr 3 PH	39.37	6 x 82.2	1 N	1 N	5830.00
50	QHNTMC5050X0	Master 440 V 50 Hz-50 kVAr 3 PH	65.61	12 x 68.5	1 N	1 N	10200.00

Other Ratings on request

Champ - Heavy Duty Square Capacitors

(IS: 13340 / IEC: 60831)

HSN Code: 8532

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	560.00
3 kVAr	QHBTMC5003X0	Champ 440 V 50 Hz-3 kVAr 3 PH	3.94	3 x 16.4	1 N	24 N	840.00
4 kVAr	QHBTMC5004X0	Champ 440 V 50 Hz-4 kVAr 3 PH	5.25	3 x 21.9	1 N	24 N	1120.00
5 kVAr	QHBTMC5005X0	Champ 440 V 50 Hz-5 kVAr 3 PH	6.56	3 x 27.4	1 N	1 N	1355.00
6 kVAr	QHBTMC5006X0	Champ 440 V 50 Hz-6 kVAr 3 PH	7.87	3 x 32.9	1 N	1 N	1625.00
7.5 kVAr	QHBTMC5007X5	Champ 440 V 50 Hz-7.5 kVAr 3 PH	9.84	3 x 41.1	1 N	1 N	2035.00
8 kVAr	QHBTMC5008X0	Champ 440 V 50 Hz-8 kVAr 3 PH	10.50	3 x 43.8	1 N	1 N	2170.00
10 kVAr	QHBTMC5010X0	Champ 440 V 50 Hz-10 kVAr 3 PH	13.12	3 x 54.8	1 N	1 N	2710.00
12.5 kVAr	QHBTMC5012X5	Champ 440 V 50 Hz-12.5 kVAr 3 PH	16.40	3 x 68.5	1 N	1 N	3390.00
15 kVAr	QHBTMC5015X0	Champ 440 V 50 Hz-15 kVAr 3 PH	19.68	3 x 82.2	1 N	1 N	4070.00
20 kVAr	QHBTMC5020X0	Champ 440 V 50 Hz-20 kVAr 3 PH	26.24	6 x 54.8	1 N	1 N	5425.00
25 kVAr	QHBTMC5025X0	Champ 440 V 50 Hz-25 kVAr 3PH	32.80	6 x 68.5	1 N	1 N	6780.00
30 kVAr	QHBTMC5030X0	Champ 440 V 50 Hz-30 kVAr 3 PH	39.37	6 x 82.2	1 N	1 N	8140.00
50 kVAr	QHBTMC5050X0	Champ 440 V 50 Hz-50 kVAr 3 PH	65.61	12 x 68.5	1 N	1 N	14360.00
75 kVAr	QHBTMC5075X0	Champ 440 V 50 Hz-75 kVAr 3 PH	98.40	18 x 68.5	1 N	1 N	21540.00
100 kVAr	QHBTMC5100X0	Champ 440 V 50 Hz-100 kVAr 3 PH	131.22	24 x 68.5	1 N	1 N	28720.00
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	1355.00
6 kVAr	QHBTMD5006X0	Champ 480 V 50 Hz-6 kVAr 3 PH	7.22	3 x 27.6	1 N	1 N	1625.00
7.5 kVAr	QHBTMD5007X5	Champ 480 V 50 Hz-7.5 kVAr 3 PH	9.02	3 x 34.5	1 N	1 N	2035.00
10 kVAr	QHBTMD5010X0	Champ 480 V 50 Hz-10 kVAr 3 PH	12.03	3 x 46.0	1 N	1 N	2710.00
12.5 kVAr	QHBTMD5012X5	Champ 480 V 50 Hz-12.5 kVAr 3 PH	15.04	3 x 57.6	1 N	1 N	3390.00
15 kVAr	QHBTMD5015X0	Champ 480 V 50 Hz-15 kVAr 3 PH	18.04	3 x 69.1	1 N	1 N	4070.00
20 kVAr	QHBTMD5020X0	Champ 480 V 50 Hz-20 kVAr 3 PH	24.06	6 X 46.0	1 N	1 N	5425.00
25 kVAr	QHBTMD5025X0	Champ 480 V 50 Hz-25 kVAr 3 PH	30.07	6 X 57.6	1 N	1 N	6780.00
30 kVAr	QHBTMD5030X0	Champ 480 V 50 Hz-30 kVAr 3 PH	36.09	6 X 69.1	1 N	1 N	8140.00
50 kVAr	QHBTMD5050X0	Champ 480 V 50 Hz-50 kVAr 3 PH	60.14	12 X 57.6	1 N	1 N	14360.00
60 kVAr	QHBTMD5060X0	Champ 480 V 50 Hz-60 kVAr 3 PH	72.18	12 X 69.1	1 N	1 N	17235.00
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	1430.00
6 kVAr	QHBTMF5006X0	Champ 525 V 50 Hz-6 kVAr 3 PH	6.60	3 X 23.1	1 N	1 N	1715.00

Other Ratings on request

Rating kVAr	Item Code	Description	Ir A	C μF	Standard Pack No of unit/s	Master Pack No of unit/s	Per Unit LP (₹)
7.5 kVAr	QHBTMF5007X5	Champ 525 V 50 Hz-7.5 kVAr 3 PH	8.25	3 X 28.9	1 N	1 N	2140.00
10 kVAr	QHBTMF5010X0	Champ 525 V 50 Hz-10 kVAr 3 PH	11.00	3 X 38.5	1 N	1 N	2860.00
12.5 kVAr	QHBTMF5012X5	Champ 525 V 50 Hz-12.5 kVAr 3 PH	13.75	3 X 48.1	1 N	1 N	3575.00
15 kVAr	QHBTMF5015X0	Champ 525 V 50 Hz-15 kVAr 3 PH	16.50	3 X 57.7	1 N	1 N	4295.00
20 kVAr	QHBTMF5020X0	Champ 525 V 50 Hz-20 kVAr 3 PH	21.99	6 X 38.5	1 N	1 N	5725.00
25 kVAr	QHBTMF5025X0	Champ 525 V 50 Hz-25 kVAr 3 PH	27.49	6 X 48.1	1 N	1 N	7155.00
30 kVAr	QHBTMF5030X0	Champ 525 V 50 Hz-30 kVAr 3 PH	32.99	6 X 57.7	1 N	1 N	8585.00
50 kVAr	QHBTMF5050X0	Champ 525 V 50 Hz-50 kVAr 3 PH	54.99	12 X 48.1	1 N	1 N	15075.00
60	QHBTMF5060X0	Champ 525 V 50 Hz-60 kVAr 3 PH	65.98	12 X 57.7	1 N	1 N	18090.00

Other Ratings on request

Champion - Super Heavy Duty Square Capacitors

(IS: 13340 / IEC: 60831)

HSN Code: 8532

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	QHSTMC5001X0	Champion 440 V 50 Hz-1 kVAr 3 PH	1.31	3 X 5.5	1 N	24 N	660.00
2 kVAr	QHSTMC5002X0	Champion 440 V 50 Hz-2 kVAr 3 PH	2.62	3 X 11.0	1 N	1 N	1320.00
3 kVAr	QHSTMC5003X0	Champion 440 V 50 Hz-3 kVAr 3 PH	3.94	3 X 16.4	1 N	1 N	1980.00
4 kVAr	QHSTMC5004X0	Champion 440 V 50 Hz-4 kVAr 3 PH	5.25	3 X 21.9	1 N	1 N	2640.00
5 kVAr	QHSTMC5005X0	Champion 440 V 50 Hz-5 kVAr 3 PH	6.56	3 X 27.4	1 N	1 N	2130.00
6 kVAr	QHSTMC5006X0	Champion 440 V 50 Hz-6 kVAr 3 PH	7.87	3 X 32.9	1 N	1 N	2555.00
7.5 kVAr	QHSTMC5007X5	Champion 440 V 50 Hz-7.5 kVAr 3 PH	9.84	3 X 41.1	1 N	1 N	3200.00
8	QHSTMC5008X0	Champion 440 V 50 Hz-8 kVAr 3 PH	10.5	3 X 43.8	1 N	1 N	3410.00
10	QHSTMC5010X0	Champion 440 V 50 Hz-10 kVAr 3 PH	13.12	3 X 54.8	1 N	1 N	4265.00
12.5	QHSTMC5012X5	Champion 440 V 50 Hz-12.5 kVAr 3 PH	16.40	3 X 68.5	1 N	1 N	5330.00
15	QHSTMC5015X0	Champion 440 V 50 Hz-15 kVAr 3 PH	19.68	6 X 41.1	1 N	1 N	6395.00
20	QHSTMC5020X0	Champion 440 V 50 Hz-20 kVAr 3 PH	26.24	6 X 54.8	1 N	1 N	8525.00
25	QHSTMC5025X0	Champion 440 V 50 Hz-25 kVAr 3 PH	32.80	6 X 68.5	1 N	1 N	10660.00
30	QHSTMC5030X0	Champion 440 V 50 Hz-30 kVAr 3 PH	39.37	12 X 41.1	1 N	1 N	13370.00
50	QHSTMC5050X0	Champion 440 V 50 Hz-50 kVAr 3 PH	65.61	12 X 68.5	1 N	1 N	21825.00
75	QHSTMC5075X0	Champion 440 V 50 Hz-75 kVAr 3 PH	98.41	18 X 68.5	1 N	1 N	32740.00
100	QHSTMC5100X0	Champion 440 V 50 Hz-100 kVAr 3 PH	131.22	24 X 68.5	1 N	1 N	43655.00
Rated Voltage 480 Vac, 3ø, 50 Hz, Delta Connection							
5	QHSTMD5005X0	Champion 480 V 50 Hz-5 kVAr 3 PH	6.01	3 X 23.0	1 N	1 N	2130.00
6	QHSTMD5006X0	Champion 480 V 50 Hz-6 kVAr 3 PH	7.22	3 X 27.6	1 N	1 N	2555.00
7.5	QHSTMD5007X5	Champion 480 V 50 Hz-7.5 kVAr 3 PH	9.02	3 X 34.5	1 N	1 N	3200.00
10	QHSTMD5010X0	Champion 480 V 50 Hz-10 kVAr 3 PH	12.03	3 X 46.0	1 N	1 N	4265.00
12.5	QHSTMD5012X5	Champion 480 V 50 Hz-12.5 kVAr 3 PH	15.04	3 X 57.6	1 N	1 N	5330.00
15	QHSTMD5015X0	Champion 480 V 50 Hz-15 kVAr 3 PH	18.04	6 X 34.5	1 N	1 N	6395.00
20	QHSTMD5020X0	Champion 480 V 50 Hz-20 kVAr 3 PH	24.06	6 X 46.0	1 N	1 N	8525.00
25	QHSTMD5025X0	Champion 480 V 50 Hz-25 kVAr 3 PH	30.07	6 X 57.6	1 N	1 N	10660.00
30	QHSTMD5030X0	Champion 480 V 50 Hz-30 kVAr 3 PH	36.09	12 X 34.5	1 N	1 N	13095.00
50	QHSTMD5050X0	Champion 480 V 50 Hz-50 kVAr 3 PH	60.14	12 X 57.6	1 N	1 N	21825.00
60	QHSTMD5060X0	Champion 480 V 50 Hz-60 kVAr 3 PH	72.18	18 X 46.0	1 N	1 N	26190.00
Rated Voltage 525 Vac, 3ø, 50 Hz, Delta Connection							
5	QHSTMF5005X0	Champion 525 V 50 Hz-5 kVAr 3 PH	5.50	3 X 19.2	1 N	1 N	2235.00
6	QHSTMF5006X0	Champion 525 V 50 Hz-6 kVAr 3 PH	6.60	3 X 23.1	1 N	1 N	2680.00
7.5	QHSTMF5007X5	Champion 525 V 50 Hz-7.5 kVAr 3 PH	8.25	3 X 28.9	1 N	1 N	3350.00
10	QHSTMF5010X0	Champion 525 V 50 Hz-10 kVAr 3 PH	11.00	3 X 38.5	1 N	1 N	4465.00
12.5	QHSTMF5012X5	Champion 525 V 50 Hz-12.5 kVAr 3 PH	13.75	3 X 48.1	1 N	1 N	5585.00
15	QHSTMF5015X0	Champion 525 V 50 Hz-15 kVAr 3 PH	16.50	6 X 28.9	1 N	1 N	6700.00
20	QHSTMF5020X0	Champion 525 V 50 Hz-20 kVAr 3 PH	21.99	6 X 38.5	1 N	1 N	8935.00
25	QHSTMF5025X0	Champion 525 V 50 Hz-25 kVAr 3 PH	27.49	6 X 48.1	1 N	1 N	11165.00
30	QHSTMF5030X0	Champion 525 V 50 Hz-30 kVAr 3 PH	33.00	12 X 28.9	1 N	1 N	13705.00
50	QHSTMF5050X0	Champion 525 V 50 Hz-50 kVAr 3 PH	54.99	12 X 48.1	1 N	1 N	22840.00
60	QHSTMF5060X0	Champion 525 V 50 Hz-60 kVAr 3 PH	66.00	18 X 38.5	1 N	1 N	27410.00

Other Ratings on request

Industrial Switchgear

UHDXL - Ultra Heavy Duty APP Capacitors

(IS: 13585 / IEC: 60931)

HSN Code: 8532

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



Other Ratings on request

UXDXL - Ultra Heavy Duty Mixed Dielectric

Rating kVAr	Item Code	Description	Per Unit LP (₹)
Available in Voltage 440 V / 480 V / 525 Vac, 3ø, 50 Hz, Delta Connection			
1 to 100		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



Rating kVAr	Rated Voltage Vac	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			
1 kVAr	440 Vac	H. D.- REACTOR, 7% , 01 kVAr	2465.00
2 kVAr	440 Vac	H. D.- REACTOR, 7% , 02 kVAr	3075.00
3 kVAr	440 Vac	H. D.- REACTOR, 7% , 03 kVAr	3685.00
4 kVAr	440 Vac	H. D.- REACTOR, 7% , 04 kVAr	3915.00
5 kVAr	440 Vac	H. D.- REACTOR, 7% , 05 kVAr	4885.00
10 kVAr	440 Vac	H. D.- REACTOR, 7% , 10 kVAr	6935.00
12.5 kVAr	440 Vac	H. D.- REACTOR, 7% , 12.5 kVAr	7608.00
15 kVAr	440 Vac	H. D.- REACTOR, 7% , 15 kVAr	8139.00
20 kVAr	440 Vac	H. D.- REACTOR, 7% , 20 kVAr	9697.00
25 kVAr	440 Vac	H. D.- REACTOR, 7% , 25 kVAr	10262.00
50 kVAr	440 Vac	H. D.- REACTOR, 7% , 50 kVAr	20153.00
75 kVAr	440 Vac	H. D.- REACTOR, 7% , 75 kVAr	22475.00
100 kVAr	440 Vac	H. D.- REACTOR, 7% , 100 kVAr	28827.00

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	



IEEE 519-2014 Guidelines for Harmonics Limits

Recommended Voltage Harmonics Limits:

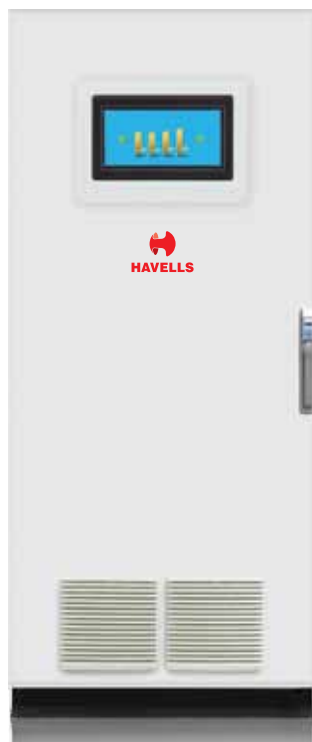


Table 1 - Voltage distortion limits		
Bus Voltage V at PCC	Individual harmonic (%)	Total harmonic distortion THD (%)
$V < 1.0 \text{ kV}$	5.0	8.0
$1 \text{ kV} < V \leq 69 \text{ kV}$	3.0	5.0
$69 \text{ kV} < V \leq 161 \text{ kV}$	1.5	2.5
$161 \text{ kV} < V$	1.0	1.5

* High-voltage systems can have up to 2.0% THD where the cause is an HVDC terminal whose effects will have attenuated at points in the network where future users may be connected.

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	$3 \leq h < 11$	$11 \leq h < 17$	$17 \leq h < 23$	$23 \leq h < 35$	$35 \leq h < 50$	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 and Static VAR Generator

Range	List Price in ₹ Per Unit
10 A to 5000 A	Price on request



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.

Industrial Switchgear

Agri Boost - Normal Duty Cylindrical Capacitors for Agriculture Applications

(IS: 13340)

HSN Code: 8532

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 415 Vac, 3ø, 50 Hz, Delta Connection							
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	230.00
3 kVAr	QHATCB5003X0	AGRI BOOST ND 415 V 50 Hz-3 kVAr 3 PH	4.17	3 x 18.5	1 N	16 N	340.00
4 kVAr	QHATCB5004X0	AGRI BOOST ND 415 V 50 Hz-4 kVAr 3 PH	5.56	3 x 24.6	1 N	16 N	455.00
5 kVAr	QHATCB5005X0	AGRI BOOST ND 415 V 50 Hz-5 kVAr 3 PH	6.96	3 x 30.8	1 N	16 N	570.00
6 kVAr	QHATCB5006X0	AGRI BOOST ND 415 V 50 Hz-6 kVAr 3 PH	8.35	3 x 37.0	1 N	16 N	685.00
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	855.00
8 kVAr	QHATCB5008X0	AGRI BOOST ND 415 V 50 Hz-8 kVAr 3 PH	11.13	3 x 49.3	1 N	16 N	910.00
10 kVAr	QHATCB5010X0	AGRI BOOST ND 415 V 50 Hz-10 kVAr 3 PH	13.91	3 x 61.6	1 N	16 N	1140.00
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	1425.00
15 kVAr	QHATCB5015X0	AGRI BOOST ND 415 V 50 Hz-15 kVAr 3 PH	20.87	3 x 92.4	1 N	8 N	1710.00



Other Ratings on request

Hercules - Normal Duty Single Phase Cylindrical Capacitors

(IS: 13340)

HSN Code: 8532

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 250 Vac, 1ø, 50 Hz							
1 kVAr	QHNSCS5001X0	HERCULES 250 V 50 Hz-1 kVAr 1 PH	4.00	50.92	1 N	16 N	240.00
2 kVAr	QHNSCS5002X0	HERCULES 250 V 50 Hz-2 kVAr 1 PH	8.00	101.84	1 N	16 N	395.00
3 kVAr	QHNSCS5003X0	HERCULES 250 V 50 Hz-3 kVAr 1 PH	12.00	152.76	1 N	16 N	595.00
4 kVAr	QHNSCS5004X0	HERCULES 250 V 50 Hz-4 kVAr 1 PH	16.00	203.68	1 N	16 N	795.00
5 kVAr	QHNSCS5005X0	HERCULES 250 V 50 Hz-5 kVAr 1 PH	16.00	254.61	1 N	16 N	995.00
Rated Voltage 415 Vac, 1ø, 50 Hz							
1 kVAr	QHNSCB5001X0	HERCULES 415 V 50 Hz-1 kVAr 1 PH	2.41	18.48	1 N	16 N	240.00
2 kVAr	QHNSCB5002X0	HERCULES 415 V 50 Hz-2 kVAr 1 PH	4.62	36.96	1 N	16 N	395.00
3 kVAr	QHNSCB5003X0	HERCULES 415 V 50 Hz-3 kVAr 1 PH	7.23	55.44	1 N	16 N	595.00
4 kVAr	QHNSCB5004X0	HERCULES 415 V 50 Hz-4 kVAr 1 PH	9.64	73.92	1 N	16 N	795.00
5 kVAr	QHNSCB5005X0	HERCULES 415 V 50 Hz-5 kVAr 1 PH	12.05	92.40	1 N	16 N	995.00
7.5 kVAr	QHNSCB5007X5	HERCULES 415 V 50 Hz-7.5 kVAr 1 PH	18.08	138.60	1 N	8 N	1490.00
10 kVAr	QHNSCB5010X0	HERCULES 415 V 50 Hz-10 kVAr 1 PH	24.10	184.80	1 N	8 N	1985.00



Other Ratings on request

MFD Capacitor

HSN Code: 8532

μ F (MFD) Rating	Series	Rated Voltage	Item Code	Description	Standard Pack No of unit/s	Master Pack No of unit/s	Per Unit LP (₹)	Application
FAN : Casing - Plastic / Terminal - Copper Wire								(IS: 1709)
2.25 μ F	F	440 V	QHPCWC5002X2	2.25 MFD / 440 V / PLWW/28X52	60 N	600 N	27.75	
2.5 μ F	F	440 V	QHPCWC5002X5	2.5 MFD / 440 V / PLWW/28X52	60 N	600 N	29.75	
3.15 μ F	F	440 V	QHPCWC5003X1	3.15 MFD / 440 V / PLWW/28X52	60 N	600 N	32.00	
4 μ F	F	440 V	QHPCWC5004X0	4 MFD / 440 V / PLWW/28X52	60 N	600 N	35.50	

Motor Run : Casing - Plastic / Terminal - Lug								(IS: 2993)
4 μ F	N	440 V	QHPPSS5004X0	4 MFD / 440 V / PLSFO/25X47	60 N	600 N	39.00	 
5 μ F	N	440 V	QHPPSS5005X0	5 MFD / 440 V / PLSFO/25X47	60 N	600 N	44.50	
6 μ F	N	440 V	QHPPSS5006X0	6 MFD / 440 V / PLSFO/30X57	50 N	300 N	49.00	
8 μ F	N	440 V	QHPPSS5008X0	8 MFD / 440 V / PLSFO/30X57	50 N	300 N	50.75	
10 μ F	N	440 V	QHPPSS5010X0	10 MFD / 440 V / PLSFO/30X57	50 N	300 N	57.00	
12.5 μ F	N	440 V	QHPPSS5012X5	12.5 MFD / 440 V / PLSFO/35X57	50 N	300 N	64.50	
15 μ F	N	440 V	QHPPSS5015X0	15 MFD / 440 V / PLSFO/35X57	50 N	300 N	72.50	
20 μ F	N	440 V	QHPPSS5020X0	20 MFD / 440 V / PLSFO/35X70	50 N	300 N	117.00	
25 μ F	N	440 V	QHPPDC5025X0	25 MFD / 440 V / PLDFO/40X70	50 N	300 N	137.00	
36 μ F	N	440 V	QHPPDC5036X0	36 MFD / 440 V / PLDFO/45X94	25 N	125 N	164.50	
45 μ F	N	440 V	QHPPDC5045X0	45 MFD / 440 V / PLDFO/45X94	25 N	125 N	191.00	
50 μ F	N	440 V	QHPPDC5050X0	50 MFD / 440 V / PLDFO/45X94	25 N	125 N	200.00	
60 μ F	N	440 V	QHPPDC5060X0	60 MFD / 440 V / PLDFO/45X94	25 N	125 N	285.00	

Motor Run : Casing - Plastic / Terminal - Copper Wire								(IS: 2993)
5 μ F	M	440 V	QHPPWS5005X0	5 MFD / 440 V / PLWW/30X57	50 N	300 N	42.50	
6 μ F	M	440 V	QHPPWS5006X0	6 MFD / 440 V / PLWW/30X57	50 N	300 N	43.75	
8 μ F	M	440 V	QHPPWS5008X0	8 MFD / 440 V / PLWW/30X57	50 N	300 N	50.75	
10 μ F	M	440 V	QHPPWS5010X0	10 MFD / 440 V / PLWW/30X57	50 N	300 N	54.00	
12.5 μ F	M	440 V	QHPPWS5012X5	12.5 MFD / 440 V / PLWW/35X57	50 N	350 N	62.00	
15 μ F	M	440 V	QHPPWS5015X0	15 MFD / 440 V / PLWW/35X57	50 N	350 N	70.25	
20 μ F	M	440 V	QHPPWS5020X0	20 MFD / 440 V / PLWW/35X70	50 N	300 N	92.50	
22.5 μ F	M	440 V	QHPPWC5022X5	22.5 MFD / 440 V / PLWW/40X94	50 N	300 N	127.00	
25 μ F	M	440 V	QHPPWC5025X0	25 MFD / 440 V / PLWW/40X94	25 N	125 N	143.00	
30 μ F	M	440 V	QHPPWC5030X0	30 MFD / 440 V / PLWW/40X94	25 N	125 N	147.00	
36 μ F	M	440 V	QHPPWC5036X0	36 MFD / 440 V / PLWW/45X94	25 N	100 N	154.00	
40 μ F	M	440 V	QHPPWC5040X0	40 MFD / 440 V / PLWW/45X94	25 N	100 N	164.00	
45 μ F	M	440 V	QHPPWC5045X0	45 MFD / 440 V / PLWW/50X94	25 N	100 N	177.00	
50 μ F	M	440 V	QHPPWC5050X0	50 MFD / 440 V / PLWW/50X94	25 N	100 N	202.00	
Motor Run : Casing - Plastic / Terminal - Copper Wire (Big Can)								
5 μ F	M	440 V	QHDPWS5005X0	5 MFD / 440 V / PLWW/35X70	50 N	300 N	48.00	
6 μ F	M	440 V	QHDPWS5006X0	6 MFD / 440 V / PLWW/35X70	50 N	300 N	49.50	
8 μ F	M	440 V	QHDPWS5008X0	8 MFD / 440 V / PLWW/35X70	50 N	300 N	56.50	
10 μ F	M	440 V	QHDPWS5010X0	10 MFD / 440 V / PLWW/35X70	50 N	300 N	60.50	
12.5 μ F	M	440 V	QHDPWS5012X5	12.5 MFD / 440 V / PLWW/35X70	50 N	300 N	68.00	
15 μ F	M	440 V	QHDPWS5015X0	15 MFD / 440 V / PLWW/35X70	50 N	300 N	75.00	
20 μ F	M	440 V	QHDPWS5020X0	20 MFD / 440 V / PLWW/40X94	25 N	125 N	126.00	

μ F (MFD) Rating	Series	Rated Voltage	Item Code	Description	Standard Pack No of unit/s	Master Pack No of unit/s	Per Unit LP (₹)	Application
Motor Run : Casing - Aluminum / Terminal - Copper Wire								(IS: 2993)
36 μ F	MAW	440 V	QHLEWC5036X0	36 MFD / 440 V / ALEPXWW/45X94	25 N	100 N	197.00	Motor Run 
45 μ F	MAW	440 V	QHLEWC5045X0	45 MFD / 440 V / ALEPXWW/50X94	25 N	100 N	255.00	
50 μ F	MAW	440 V	QHLEWC5050X0	50 MFD / 440 V / ALEPXWW/50X94	25 N	100 N	275.00	
60 μ F	MAW	440 V	QHLEWC5060X0	60 MFD / 440 V / ALEPXWW/50X120	25 N	25 N	322.00	
72 μ F	MAW	440 V	QHLEWC5072X0	72 MFD / 440 V / ALEPXWW/50X143(S)	30 N	30 N	360.00	

Submersible : Casing - Plastic / Terminal - Copper Wire								(IS: 2993)
25 μ F	S	440 V	QHPCWS5025X0	25 MFD / 440 V / PLWW/35X94	25 N	200 N	124.00	Submersible 
36 μ F	S	440 V	QHPCWS5036X0	36 MFD / 440 V / PLWW/35X94	25 N	200 N	131.00	
45 μ F	S	440 V	QHPCWS5045X0	45 MFD / 440 V / PLWW/40X94	25 N	125 N	145.00	
50 μ F	S	440 V	QHPCWS5050X0	50 MFD / 440 V / PLWW/45X94	25 N	100 N	169.00	
60 μ F	S	440 V	QHPCWS5060X0	60 MFD / 440 V / PLWW/45X94	25 N	100 N	192.00	
72 μ F	S	440 V	QHPCWS5072X0	72 MFD / 440 V / PLWW/50X94	25 N	100 N	233.00	

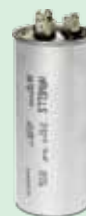
Lighting : Casing - Plastic / Terminal - Copper Wire								(IS: 1569)
10 μ F	L	250 V	QHJPWS5010X0	10 MFD / 250 V / PLWW/RES/30X57	50 N	300 N	52.00	Lighting 
10 μ F	L	250 V	QHEPWS5010X0	10 MFD / 250 V / PLWW/RES/30X57(S)	50 N	300 N	63.00	
12 μ F	L	250 V	QHJPWS5012X0	12 MFD / 250 V / PLWW/RES/30X57	50 N	300 N	69.50	
12 μ F	L	250 V	QHEPWS5012X0	12 MFD / 250 V / PLWW/RES/30X57(S)	50 N	300 N	75.50	
20 μ F	L	250 V	QHJPWS5020X0	20 MFD / 250 V / PLWW/RES/35X57	50 N	350 N	79.50	
20 μ F	L	250 V	QHEPWS5020X0	20 MFD / 250 V / PLWW/RES/35X57(S)	50 N	350 N	85.50	
33 μ F	L	250 V	QHJPWS5033X0	33 MFD / 250 V / PLWW/RES/35X70	50 N	300 N	123.00	
33 μ F	L	250 V	QHEPWS5033X0	33 MFD / 250 V / PLWW/RES/35X70(S)	50 N	300 N	127.00	
42 μ F	L	250 V	QHJPWS5042X0	42 MFD / 250 V / PLWW/RES/40X70	25 N	150 N	149.00	
42 μ F	L	250 V	QHEPWS5042X0	42 MFD / 250 V / PLWW/RES/40X70(S)	25 N	150 N	154.00	

Motor Start : Casing - Plastic / Terminal - Copper Wire								(IS: 2993)
40 μ F / 60 μ F (30)	G	250 V	QHGPWS5030X0	40-60 Start Cap./250 V / PLWW/35X70	50 N	300 N	100.00	Motor Start 
60 μ F / 80 μ F (45)	G	250 V	QHGPWS5045X0	60-80 Start Cap./ 250 V / PLWW/35X94	25 N	200 N	142.00	
80 μ F / 100 μ F (60)	G	250 V	QHGPWS5060X0	80-100 Start Cap. / 250 V / PLWW/40X94	25 N	125 N	171.00	
100 μ F / 120 μ F (75)	G	250 V	QHGPWS5075X0	100-120 Start Cap./ 250 V / PLWW/40X94	25 N	125 N	228.00	
120 μ F / 150 μ F (90)	G	250 V	QHGPWS5090X0	120-150 Start Cap./ 250 V / PLWW/45X94	25 N	100 N	285.00	
150 μ F / 200 μ F (105)	G	250 V	QHGPWS5105X0	150-200 Start Cap./ 250 V / PLWW/50X94	25 N	100 N	302.00	
200 μ F / 250 μ F (120)	G	250 V	QHGPWS5120X0	200-250 Start Cap./ 250 V / PLWW/50X94	25 N	100 N	329.00	

MFD Capacitor

HSN Code: 8532

μF (MFD) Rating	Series	Rated Voltage	Item Code	Description	Standard Pack No of unit/s	Master Pack No of unit/s	Per Unit LP (₹)	Application
Air Conditioner : Casing - Aluminum / Terminal - Lug (Quadraple Fast On)								(IS: 2993)
25 μF / 2.5 μF	I	440	QHLIDC525002	25/2.5 MFD / 440 V / ALQFO/50X105	25 N	25 N	242.00	Air Conditioner
25 μF / 4.0 μF	I	440	QHLIDC525004	25/4 MFD / 440 V / ALQFO/50X105	25 N	25 N	249.00	
25 μF / 6.0 μF	I	440	QHLIDC525006	25/6 MFD / 440 V / ALQFO/50X105	25 N	25 N	253.00	
30 μF / 2.5 μF	I	440	QHLIDC530002	30/2.5 MFD / 440 V / ALQFO/50X105	25 N	25 N	254.00	
30 μF / 4.0 μF	I	440	QHLIDC530004	30/4 MFD / 440 V / ALQFO/50X105	25 N	25 N	264.00	
30 μF / 6.0 μF	I	440	QHLIDC530006	30/6 MFD / 440 V / ALQFO/50X105	25 N	25 N	267.00	
36 μF / 2.5 μF	I	440	QHLIDC536002	36/2.5 MFD / 440 V / ALQFO/50X105	25 N	25 N	272.00	
36 μF / 4.0 μF	I	440	QHLIDC536004	36/4 MFD / 440 V / ALQFO/50X105	25 N	25 N	280.00	
36 μF / 6.0 μF	I	440	QHLIDC536006	36/6 MFD / 440 V / ALQFO/50X105	25 N	25 N	291.00	
40 μF / 2.5 μF	I	440	QHLIDC540002	40/2.5 MFD / 440 V / ALQFO/50X105	25 N	25 N	291.00	
40 μF / 4.0 μF	I	440	QHLIDC540004	40/4 MFD / 440 V / ALQFO/50X105	25 N	25 N	293.00	
40 μF / 6.0 μF	I	440	QHLIDC540006	40/6 MFD / 440 V / ALQFO/50X105	25 N	25 N	298.00	
45 μF / 2.5 μF	I	440	QHLIDC545002	45/2.5 MFD / 440 V / ALQFO/50X105	25 N	25 N	300.00	
45 μF / 4.0 μF	I	440	QHLIDC545004	45/4 MFD / 440 V / ALQFO/50X105	25 N	25 N	308.00	
45 μF / 6.0 μF	I	440	QHLIDC545006	45/6 MFD / 440 V / ALQFO/50X105	25 N	25 N	315.00	
50 μF / 2.5 μF	I	440	QHLIDC550002	50/2.5 MFD / 440 V / ALQFO/50X120	25 N	25 N	331.00	
50 μF / 4.0 μF	I	440	QHLIDC550004	50/4 MFD / 440 V / ALQFO/50X120	25 N	25 N	348.00	
50 μF / 6.0 μF	I	440	QHLIDC550006	50/6 MFD / 440 V / ALQFO/50X120	25 N	25 N	353.00	
55 μF / 2.5 μF	I	440	QHLIDC555002	55/2.5 MFD / 440 V / ALQFO/50X120	25 N	25 N	355.00	
55 μF / 4.0 μF	I	440	QHLIDC555004	55/4 MFD / 440 V / ALQFO/50X120	25 N	25 N	360.00	
55 μF / 6.0 μF	I	440	QHLIDC555006	55/6 MFD / 440 V / ALQFO/50X120	25 N	25 N	364.00	
60 μF / 2.5 μF	I	440	QHLIDC560002	60/2.5 MFD / 440 V / ALQFO/50X120	25 N	25 N	366.00	
60 μF / 4.0 μF	I	440	QHLIDC560004	60/4 MFD / 440 V / ALQFO/50X120	25 N	25 N	378.00	
60 μF / 6.0 μF	I	440	QHLIDC560006	60/6 MFD / 440 V / ALQFO/50X120	25 N	25 N	382.00	
60 μF / 10.0 μF	I	440	QHLIDC560010	60/10 MFD / 440 V / ALQFO/50X120	25 N	25 N	399.00	



Abbreviation: MFD - Microfarad, PL - Plastic Casing, AL - Aluminium Casing, WW - With Wire, RES - Resistor, SFO - Single Faston, DFO - Double Faston
QFO - Quadraple Faston, EPX - Epoxy top, (S) - With stud

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