



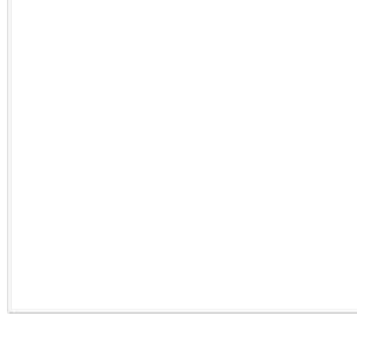
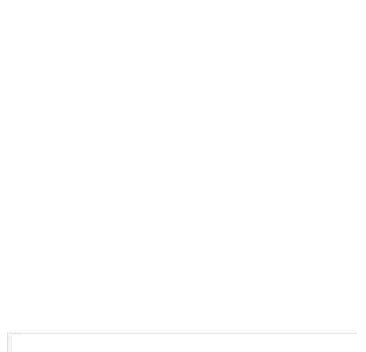
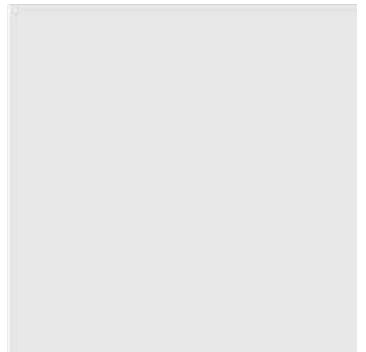
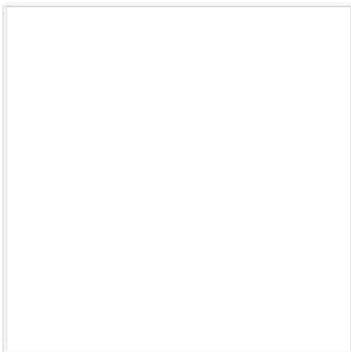
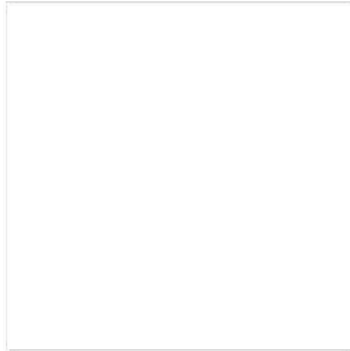
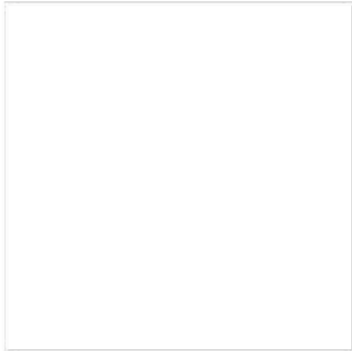
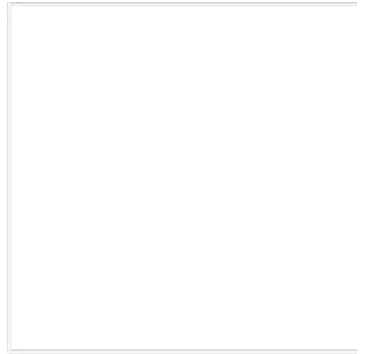
Industrial Circuit Protection



LIST PRICE
w.e.f. 1st July, 2017

Note: Colour of HSN Code Indicates as below

Blue Colour: 18% *GST | Orange Colour: 28% *GST | *Subject to change as per Govt. notification



Industrial Product

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Terms & Conditions

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



Industrial Switchgear





ACB with Microprocessor Release IPR E+ (3 Pole)

HSN Code: **8536**

Current Rating (A)	Breaking Capacity 415V (kA)	Ordering Code		LP ₹		Ordering Code		LP ₹	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	50	IHATE1E060**#	IHATE2E060**#	54,435	75,560	IHATE4E06\$***	IHATE5E06\$***	70,520	1,09,055
800	50	IHATE1E080**#	IHATE2E080**#	56,250	78,085	IHATE4E08\$***	IHATE5E08\$***	79,680	1,09,935
1000	50	IHATE1E100**#	IHATE2E100**#	60,785	85,300	IHATE4E10\$***	IHATE5E10\$***	83,825	1,15,280
1250	50	IHATE1E120**#	IHATE2E120**#	74,685	1,08,265	IHATE4E12\$***	IHATE5E12\$***	1,06,840	1,34,800
1600	50	IHATE1E160**#	IHATE2E160**#	80,810	1,17,495	IHATE4E16\$***	IHATE5E16\$***	1,16,570	1,48,945
2000	50	IHATE1E200**#	IHATE2E200**#	93,290	1,40,130	IHATE4E20\$***	IHATE5E20\$***	1,30,700	1,68,520
2500	75	IHATH1E250**#	IHATH2E250**#	1,07,570	1,66,685	IHATH4E25\$***	IHATH5E25\$***	1,45,115	1,95,075
3200	100	IHATV1E320**#	IHATV2E320**#	1,71,075	2,23,470	IHATV4E32\$***	IHATV5E32\$***	2,06,665	2,52,775
4000	100	IHATV1E400**#	IHATV2E400**#	2,79,680	2,96,740	IHATV4E40\$***	IHATV5E40\$***	3,08,540	3,25,125

ACB with Microprocessor Release IPR E+ (4 Pole)

HSN Code: **8536**

Current Rating (A)	Breaking Capacity 415V (kA)	Ordering Code		LP ₹		Ordering Code		LP ₹	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	50	IHAFF1E060**#	IHAFF2E060**#	60,830	1,01,735	IHAFF4E06\$***	IHAFF5E06\$***	94,380	1,35,585
800	50	IHAFF1E080**#	IHAFF2E080**#	64,455	1,04,440	IHAFF4E08\$***	IHAFF5E08\$***	99,870	1,37,415
1000	50	IHAFF1E100**#	IHAFF2E100**#	73,440	1,10,700	IHAFF4E10\$***	IHAFF5E10\$***	1,03,975	1,45,180
1250	50	IHAFF1E120**#	IHAFF2E120**#	98,505	1,37,540	IHAFF4E12\$***	IHAFF5E12\$***	1,30,445	1,68,095
1600	50	IHAFF1E160**#	IHAFF2E160**#	1,05,145	1,56,340	IHAFF4E16\$***	IHAFF5E16\$***	1,40,140	1,85,940
2000	50	IHAFF1E200**#	IHAFF2E200**#	1,27,105	1,85,965	IHAFF4E20\$***	IHAFF5E20\$***	1,63,375	2,17,970
2500	75	IHAFFH1E250**#	IHAFFH2E250**#	1,45,695	2,21,640	IHAFFH4E25\$***	IHAFFH5E25\$***	1,78,750	2,50,070
3200***	100	IHAFFV1E320**#	IHAFFV2E320**#	2,17,205	2,77,550	IHAFFV4E32\$***	IHAFFV5E32\$***	2,52,265	3,02,230
4000***	100	IHAFFV1E400**#	IHAFFV2E400**#	3,29,700	3,69,135	IHAFFV4E40\$***	IHAFFV5E40\$***	3,85,230	3,94,780

ACB with Microprocessor Release IPR 1+ (3 Pole)

HSN Code: **8536**

Current Rating (A)	Breaking Capacity 415V (kA)	Ordering Code		LP ₹		Ordering Code		LP ₹	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	50	IHATE11060**#	IHATE21060**#	58,870	84,400	IHATE4106\$***	IHATE5106\$***	76,390	1,18,790
800	50	IHATE11080**#	IHATE21080**#	60,730	87,190	IHATE4108\$***	IHATE5108\$***	85,820	1,19,775
1000	50	IHATE11100**#	IHATE21100**#	65,355	94,365	IHATE4110\$***	IHATE5110\$***	92,365	1,25,135
1250	50	IHATE11120**#	IHATE21120**#	82,965	1,17,495	IHATE4112\$***	IHATE5112\$***	1,15,215	1,45,240
1600	50	IHATE11160**#	IHATE21160**#	85,840	1,23,930	IHATE4116\$***	IHATE5116\$***	1,22,820	1,55,375
2000	50	IHATE11200**#	IHATE21200**#	1,00,000	1,46,535	IHATE4120\$***	IHATE5120\$***	1,37,475	1,78,635
2500	75	IHATH11250**#	IHATH21250**#	1,14,235	1,73,135	IHATH4125\$***	IHATH5125\$***	1,51,835	2,01,485
3200	100	IHATV11320**#	IHATV21320**#	1,77,850	2,29,925	IHATV4132\$***	IHATV5132\$***	2,13,450	2,59,230
4000	100	IHATV11400**#	IHATV21400**#	2,86,410	3,03,195	IHATV4140\$***	IHATV5140\$***	3,15,375	3,31,540

ACB with Microprocessor Release IPR 1+ (4 Pole)

HSN Code: **8536**

Current Rating (A)	Breaking Capacity 415V (kA)	Ordering Code		LP ₹		Ordering Code		LP ₹	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	50	IHAFF11060**#	IHAFF21060**#	69,095	1,11,250	IHAFF4106\$***	IHAFF5106\$***	1,03,675	1,46,175
800	50	IHAFF11080**#	IHAFF21080**#	72,380	1,14,125	IHAFF4108\$***	IHAFF5108\$***	1,09,330	1,48,060
1000	50	IHAFF11100**#	IHAFF21100**#	79,410	1,20,510	IHAFF4110\$***	IHAFF5110\$***	1,14,095	1,55,990
1250	50	IHAFF11120**#	IHAFF21120**#	1,07,030	1,47,970	IHAFF4112\$***	IHAFF5112\$***	1,40,865	1,79,420
1600	50	IHAFF11160**#	IHAFF21160**#	1,11,245	1,62,770	IHAFF4116\$***	IHAFF5116\$***	1,45,665	1,92,365
2000	50	IHAFF11200**#	IHAFF21200**#	1,33,720	1,92,325	IHAFF4120\$***	IHAFF5120\$***	1,70,145	2,24,425
2500	75	IHAFFH11250**#	IHAFFH21250**#	1,52,310	2,28,090	IHAFFH4125\$***	IHAFFH5125\$***	1,85,520	2,56,440
3200***	100	IHAFFV11320**#	IHAFFV21320**#	2,23,985	2,83,915	IHAFFV4132\$***	IHAFFV5132\$***	2,59,105	3,12,355
4000***	100	IHAFFV11400**#	IHAFFV21400**#	3,36,380	3,75,495	IHAFFV4140\$***	IHAFFV5140\$***	3,88,095	4,01,140

\$ Please refer table 1 to replace \$ at page-10

** Please refer table 2 to replace ** at page-10

Please refer table 3 to replace # at page-10

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

Note : Prices on request

ACB range 630A to 4000A (IPR 3)

Industrial Switchgear

Titania Air Circuit Breaker

(Conforms to IS/IEC:60947-2)

HAVELLS

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



ACB with Microprocessor Release IPR 2 (3 Pole)

HSN Code: **8536**

Current Rating (A)	Breaking Capacity 415V (kA)	Ordering Code		LP ₹		Ordering Code		LP ₹	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	50	IHATE12060**#	IHATE22060**#	63,185	89,000	IHATE4206\$**#	IHATE5206\$**#	84,720	1,21,815
800	50	IHATE12080**#	IHATE22080**#	67,860	92,540	IHATE4208\$**#	IHATE5208\$**#	94,235	1,23,265
1000	50	IHATE12100**#	IHATE22100**#	70,730	99,920	IHATE4210\$**#	IHATE5210\$**#	98,495	1,29,185
1250	50	IHATE12120**#	IHATE22120**#	89,005	1,22,520	IHATE4212\$**#	IHATE5212\$**#	1,22,515	1,48,475
1600	50	IHATE12160**#	IHATE22160**#	92,815	1,26,965	IHATE4216\$**#	IHATE5216\$**#	1,29,200	1,57,815
2000	50	IHATE12200**#	IHATE22200**#	1,05,700	1,49,770	IHATE4220\$**#	IHATE5220\$**#	1,43,570	1,79,350
2500	75	IHATH12250**#	IHATH22250**#	1,20,165	1,74,770	IHATH4225\$**#	IHATH5225\$**#	1,55,675	2,03,385
3200	100	IHATV12320**#	IHATV22320**#	1,80,915	2,32,090	IHATV4232\$**#	IHATV5232\$**#	2,15,465	2,64,115
4000	100	IHATV12400**#	IHATV22400**#	2,91,340	3,09,185	IHATV4240\$**#	IHATV5240\$**#	3,18,350	3,34,665

ACB with Microprocessor Release IPR 2 (4 Pole)

HSN Code: **8536**

Current Rating (A)	Breaking Capacity 415V (kA)	Ordering Code		LP ₹		Ordering Code		LP ₹	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	50	IHAFF12060**#	IHAFF22060**#	74,495	1,17,100	IHAFF4206\$**#	IHAFF5206\$**#	1,07,735	1,49,460
800	50	IHAFF12080**#	IHAFF22080**#	78,270	1,19,915	IHAFF4208\$**#	IHAFF5208\$**#	1,13,445	1,50,640
1000	50	IHAFF12100**#	IHAFF22100**#	87,690	1,26,310	IHAFF4210\$**#	IHAFF5210\$**#	1,19,425	1,57,910
1250	50	IHAFF12120**#	IHAFF22120**#	1,13,750	1,54,085	IHAFF4212\$**#	IHAFF5212\$**#	1,45,580	1,81,110
1600	50	IHAFF12160**#	IHAFF22160**#	1,17,555	1,68,040	IHAFF4216\$**#	IHAFF5216\$**#	1,52,990	1,94,180
2000	50	IHAFF12200**#	IHAFF22200**#	1,39,840	2,00,660	IHAFF4220\$**#	IHAFF5220\$**#	1,76,555	2,27,425
2500	75	IHAFFH12250**#	IHAFFH22250**#	1,59,055	2,30,245	IHAFFH4225\$**#	IHAFFH5225\$**#	1,92,070	2,59,830
3200***	100	IHAFFV12320**#	IHAFFV22320**#	2,30,900	2,91,260	IHAFFV4232\$**#	IHAFFV5232\$**#	2,67,420	3,27,575
4000***	100	IHAFFV12400**#	IHAFFV22400**#	3,44,450	3,83,710	IHAFFV4240\$**#	IHAFFV5240\$**#	3,99,595	4,06,775

ACB without Release (3 Pole)

HSN Code: **8536**

Current Rating (A)	Breaking Capacity 415V (kA)	Ordering Code		LP ₹		Ordering Code		LP ₹	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	50	IHATE10060**#	IHATE20060**#	45,360	65,525	IHATE4006\$**#	IHATE5006\$**#	61,405	97,110
800	50	IHATE10080**#	IHATE20080**#	47,175	68,925	IHATE4008\$**#	IHATE5008\$**#	70,565	98,505
1000	50	IHATE10100**#	IHATE20100**#	49,940	76,225	IHATE4010\$**#	IHATE5010\$**#	74,665	1,04,395
1250	50	IHATE10120**#	IHATE20120**#	65,525	98,170	IHATE4012\$**#	IHATE5012\$**#	97,590	1,23,160
1600	50	IHATE10160**#	IHATE20160**#	71,205	1,05,430	IHATE4016\$**#	IHATE5016\$**#	1,07,050	1,35,990
2000	50	IHATE10200**#	IHATE20200**#	83,770	1,28,220	IHATE4020\$**#	IHATE5020\$**#	1,21,090	1,57,530
2500	75	IHATH10250**#	IHATH20250**#	98,095	1,52,990	IHATH4025\$**#	IHATH5025\$**#	1,33,075	1,79,075
3200	100	IHATV10320**#	IHATV20320**#	1,58,080	2,04,280	IHATV4032\$**#	IHATV5032\$**#	1,90,815	2,31,755
4000	100	IHATV10400**#	IHATV20400**#	2,60,505	2,73,880	IHATV4040\$**#	IHATV5040\$**#	2,89,135	3,03,625

ACB without Release (4 Pole)

HSN Code: **8536**

Current Rating (A)	Breaking Capacity 415V (kA)	Ordering Code		LP ₹		Ordering Code		LP ₹	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	50	IHAFF10060**#	IHAFF20060**#	54,435	89,345	IHAFF4006\$**#	IHAFF5006\$**#	83,560	1,23,715
800	50	IHAFF10080**#	IHAFF20080**#	57,200	92,575	IHAFF4008\$**#	IHAFF5008\$**#	89,055	1,24,850
1000	50	IHAFF10100**#	IHAFF20100**#	64,455	1,00,765	IHAFF4010\$**#	IHAFF5010\$**#	94,820	1,32,045
1250	50	IHAFF10120**#	IHAFF20120**#	89,345	1,26,755	IHAFF4012\$**#	IHAFF5012\$**#	1,19,785	1,54,570
1600	50	IHAFF10160**#	IHAFF20160**#	95,715	1,44,275	IHAFF4016\$**#	IHAFF5016\$**#	1,30,620	1,72,015
2000	50	IHAFF10200**#	IHAFF20200**#	1,17,590	1,71,310	IHAFF4020\$**#	IHAFF5020\$**#	1,53,760	2,03,755
2500	75	IHAFFH10250**#	IHAFFH20250**#	1,33,910	2,05,150	IHAFFH4025\$**#	IHAFFH5025\$**#	1,66,300	2,32,195
3200***	100	IHAFFV10320**#	IHAFFV20320**#	2,00,915	2,57,835	IHAFFV4032\$**#	IHAFFV5032\$**#	2,38,220	2,86,710
4000***	100	IHAFFV10400**#	IHAFFV20400**#	3,11,850	3,44,795	IHAFFV4040\$**#	IHAFFV5040\$**#	3,64,165	3,70,005

\$ Please refer table 1 to replace \$ at page-10

** Please refer table 2 to replace ** at page-10

Please refer table 3 to replace # at page-10

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

Note : Prices on request

ACB range 630A to 4000A (IPR 3)



ACB with Microprocessor Release IPR 1+ (3 Pole)

HSN Code: **8536**

Current Rating (A)	Breaking Capacity 415V (kA)	Ordering Code		LP ₹		Ordering Code		LP ₹	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	65	IHATS11060**#	IHATS21060**#	75,405	1,04,155	IHATS4106\$**#	IHATS5106\$**#	99,910	1,36,750
800	65	IHATS11080**#	IHATS21080**#	77,800	1,07,660	IHATS4108\$**#	IHATS5108\$**#	1,09,330	1,38,095
1000	65	IHATS11100**#	IHATS21100**#	81,715	1,14,910	IHATS4110\$**#	IHATS5110\$**#	1,13,555	1,43,805
1250	65	IHATS11120**#	IHATS21120**#	1,04,160	1,37,050	IHATS4112\$**#	IHATS5112\$**#	1,37,510	1,62,770
1600	65	IHATS11160**#	IHATS21160**#	1,07,930	1,41,545	IHATS4116\$**#	IHATS5116\$**#	1,44,220	1,72,015
2000	65	IHATS11200**#	IHATS21200**#	1,20,945	1,63,980	IHATS4120\$**#	IHATS5120\$**#	1,58,610	1,93,285

ACB with Microprocessor Release IPR 1+ (4 Pole)

HSN Code: **8536**

Current Rating (A)	Breaking Capacity 415V (kA)	Ordering Code		LP ₹		Ordering Code		LP ₹	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	65	IHAFS11060**#	IHAFS21060**#	89,625	1,28,670	IHAFS4106\$**#	IHAFS5106\$**#	1,22,710	1,64,050
800	65	IHAFS11080**#	IHAFS21080**#	93,360	1,31,990	IHAFS4108\$**#	IHAFS5108\$**#	1,28,365	1,65,305
1000	65	IHAFS11100**#	IHAFS21100**#	1,00,390	1,40,075	IHAFS4110\$**#	IHAFS5110\$**#	1,34,290	1,72,270
1250	65	IHAFS11120**#	IHAFS21120**#	1,28,670	1,66,470	IHAFS4112\$**#	IHAFS5112\$**#	1,60,350	1,95,180
1600	65	IHAFS11160**#	IHAFS21160**#	1,32,435	1,80,390	IHAFS4116\$**#	IHAFS5116\$**#	1,67,690	2,08,130
2000	65	IHAFS11200**#	IHAFS21200**#	1,54,670	2,06,980	IHAFS4120\$**#	IHAFS5120\$**#	1,91,285	2,39,515

ACB with Microprocessor Release IPR 2 (3 Pole)

HSN Code: **8536**

Current Rating (A)	Breaking Capacity 415V (kA)	Ordering Code		LP ₹		Ordering Code		LP ₹	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	65	IHATS12060**#	IHATS22060**#	83,655	1,11,695	IHATS4206\$**#	IHATS5206\$**#	1,07,450	1,44,295
800	65	IHATS12080**#	IHATS22080**#	86,075	1,15,200	IHATS4208\$**#	IHATS5208\$**#	1,16,875	1,45,640
1000	65	IHATS12100**#	IHATS22100**#	90,030	1,22,370	IHATS4210\$**#	IHATS5210\$**#	1,21,090	1,51,280
1250	65	IHATS12120**#	IHATS22120**#	1,12,755	1,44,445	IHATS4212\$**#	IHATS5212\$**#	1,45,115	1,70,175
1600	65	IHATS12160**#	IHATS22160**#	1,16,560	1,48,940	IHATS4216\$**#	IHATS5216\$**#	1,51,830	1,79,420
2000	65	IHATS12200**#	IHATS22200**#	1,29,775	1,71,310	IHATS4220\$**#	IHATS5220\$**#	1,66,300	2,00,615

\$ Please refer table 1 to replace \$ at page-10
 ** Please refer table 2 to replace ** at page-10
 # Please refer table 3 to replace # at page-10

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

Industrial Switchgear

Titania Air Circuit Breaker

(Conforms to IS/IEC:60947-2)

HAVELLS

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



ACB with Microprocessor Release IPR 2 (4 Pole)

HSN Code: **8536**

Current Rating (A)	Breaking Capacity 415V (kA)	Ordering Code		LP ₹		Ordering Code		LP ₹	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	65	IHAFS12060**#	IHAFS22060**#	98,015	1,37,495	IHAFS4206\$**#	IHAFS5206\$**#	1,31,475	1,73,210
800	65	IHAFS12080**#	IHAFS22080**#	1,01,785	1,40,850	IHAFS4208\$**#	IHAFS5208\$**#	1,37,185	1,74,475
1000	65	IHAFS12100**#	IHAFS22100**#	1,08,875	1,48,935	IHAFS4210\$**#	IHAFS5210\$**#	1,43,165	1,81,430
1250	65	IHAFS12120**#	IHAFS22120**#	1,37,495	1,75,505	IHAFS4212\$**#	IHAFS5212\$**#	1,69,550	2,04,495
1600	65	IHAFS12160**#	IHAFS22160**#	1,41,305	1,89,560	IHAFS4216\$**#	IHAFS5216\$**#	1,76,960	2,17,560
2000	65	IHAFS12200**#	IHAFS22200**#	1,63,815	2,16,330	IHAFS4220\$**#	IHAFS5220\$**#	2,00,850	2,49,175

ACB Without Release (3 Pole)

HSN Code: **8536**

Current Rating (A)	Breaking Capacity 415V (kA)	Ordering Code		LP ₹		Ordering Code		LP ₹	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	65	IHATS10060**#	IHATS20060**#	62,920	91,815	IHATS4006\$**#	IHATS5006\$**#	87,530	1,24,715
800	65	IHATS10080**#	IHATS20080**#	65,340	95,345	IHATS4008\$**#	IHATS5008\$**#	97,040	1,26,075
1000	65	IHATS10100**#	IHATS20100**#	69,290	1,02,790	IHATS4010\$**#	IHATS5010\$**#	1,01,305	1,31,965
1250	65	IHATS10120**#	IHATS20120**#	91,820	1,25,280	IHATS4012\$**#	IHATS5012\$**#	1,25,350	1,51,240
1600	65	IHATS10160**#	IHATS20160**#	95,620	1,29,805	IHATS4016\$**#	IHATS5016\$**#	1,32,125	1,60,570
2000	65	IHATS10200**#	IHATS20200**#	1,08,630	1,52,590	IHATS4020\$**#	IHATS5020\$**#	1,46,525	1,82,170

ACB Without Release (4 Pole)

HSN Code: **8536**

Current Rating (A)	Breaking Capacity 415V (kA)	Ordering Code		LP ₹		Ordering Code		LP ₹	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	65	IHAFS10060**#	IHAFS20060**#	77,280	1,16,560	IHAFS4006\$**#	IHAFS5006\$**#	1,10,540	1,52,270
800	65	IHAFS10080**#	IHAFS20080**#	81,055	1,19,915	IHAFS4008\$**#	IHAFS5008\$**#	1,16,255	1,53,540
1000	65	IHAFS10100**#	IHAFS20100**#	88,140	1,28,195	IHAFS4010\$**#	IHAFS5010\$**#	1,22,235	1,60,690
1250	65	IHAFS10120**#	IHAFS20120**#	1,16,560	1,54,975	IHAFS4012\$**#	IHAFS5012\$**#	1,48,415	1,83,955
1600	65	IHAFS10160**#	IHAFS20160**#	1,20,365	1,69,015	IHAFS4016\$**#	IHAFS5016\$**#	1,55,830	1,97,025
2000	65	IHAFS10200**#	IHAFS20200**#	1,42,675	1,95,990	IHAFS4020\$**#	IHAFS5020\$**#	1,79,515	2,28,835

\$ Please refer table 1 to replace \$ at page-10

** Please refer table 2 to replace ** at page-10

Please refer table 3 to replace # at page-10

Note : Prices on request

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

1. Microprocessor Based OCR (IPR)

HSN Code: 8538

S.No.	SAP Code	Description	LP ₹
1-1	ISACX0172	IPR-E	8,390
1-2	ISACX0214	IPR-1	12,585
1-3	ISACX0173	IPR-2	16,780
1-4	ISACX0199	IPR-3	37,750
1-5	SACX0346	Communication software for IPR-3	Av. on request

2. Spring Charging Motor

HSN Code: 8538

S.No.	SAP Code	Description	LP ₹
2-1	ISACX0358	Charging Motor 110 V	21,075
2-2	ISACX0147	Charging Motor 230 V	21,075

3. Main CTs *1

HSN Code: 8504

S.No.	SAP Code	Description	LP ₹
3-1	ICELFACL018	CT 400A	1,745
3-2	ICELFACL001	CT 630A	1,745
3-3	ICELFACL002	CT 800A	1,745
3-4	ICELFACL003	CT 1000A	1,840
3-5	ICELFACL004	CT 1250A	1,840
3-6	ICELFACL005	CT 1600A	1,840
3-7	ICELFACL006	CT 2000A	2,465
3-8	ICELFACL007	CT 2500A	2,465

4. Neutral CTs *2

HSN Code: 8504

S.No.	SAP Code	Description	LP ₹
4-1	ICELFACL019	NCT 400A	1,745
4-2	ICELFACL012	NCT 630A	1,745
4-3	ICELFACL013	NCT 800A	1,745
4-4	ICELFACL014	NCT 1000A	1,840
4-5	ICELFACL015	NCT 1250A	1,840
4-6	ICELFACL016	NCT 1600A	1,840
4-7	ICELFACL017	NCT 2000A	2,465
4-8	ICELFACL021	NCT 2500A	2,850

5. Under Voltage Trip Device (UVT)

HSN Code: 8538

S.No.	SAP Code	Description	LP ₹
5-1	ISACX0196	220 VAC/DC	2,915
5-2	ISACX0197	415 VAC	2,915

6. Shunt Trip / Closing Coil

HSN Code: 8538

S.No.	SAP Code	Description	LP ₹
6-1	ISACX0170	24 VDC	2,155
6-2	ISACX0168	110 VAC/DC	2,155
6-3	ISACX0167	220 VAC/DC	2,155
6-4	ISACX0212	415 VAC	2,155

7. Key Lock / Key Interlock

HSN Code: 8301

S.No.	SAP Code	Description	LP ₹
7-1	ISACX0301	On/Off Button cover	275
7-2	ISACX0353	Key lock (1 lock+1 key)	1,090
7-3	ISACX0181	Key interlock (2 locks+1 keys)	2,350
7-4	ISACX0210	Key interlock (3 locks+2 keys)	3,230
7-5	ISACX0332	Castle Lock Unit (1 lock+1 key)	2,590
7-6	ISSACX0437	Castle Lock Unit (2 lock+1 key)	4,565
7-7	ISSACX0436	Castle Lock Unit (3 lock+2 key)	7,265
7-8	ISACX0341	Drawout position Lock	1,330

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	LP ₹
8-1	SACP0174	630/800A	1,330
8-2	SACP0175	1000/1250A	1,725
8-3	SACP0179	1600A	1,975
8-4	SACP0176	2000A	2,230

9. Other Accessories

HSN Code: 8538

S.No.	SAP Code	Description	LP ₹
9-1	ISACX0208	Door Interlock	1,725
9-2	ISACX0303	Mal Insertion prevention device	410
9-3	ISACX0028	Close open cycle counter	1,525
9-4	ISACX0340	Mechanical Interlock through wire	Av. on request

9. Other Accessories

HSN Code: 8536

S.No.	SAP Code	Description	LP ₹
9-5	ISACX0207	Spring charge indication switch	645
9-6	ISACX0349	Trip indication Switch	470
9-7	ISACX0139	Aux. switch (5 c/o additional)	1,095
9-8	ISACX0182	Position indication switch	1,645
9-9	ISACX0302	Field test unit	1,645

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

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



Industrial Switchgear

Titania Air Circuit Breaker

(Conforms to IS/IEC:60947-2)

HAVELLS

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

Table 1

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

Table 2

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

Table 3

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



*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)



Functions	IPRE+	IPR1+	IPR2	IPR3
Overload Function (LTD)	•	•	•	•
Short Circuit Function (STD)		•	•	•
Instantaneous Function for short circuit protection (INST)	•	•	•	•
Ground fault Function (GFT)		•	•	•
Function blocking feature for all the above functions	•	•	•	•
Pre trip alarm function			•	•
Measurement function				
• 3 phase current			•	•
• 3 phase voltage				•
• Tripping time				•
• KVA				•
• KWH				•
• Power factor				•
• Max. demand (KVA & KWH)				•
• Ambient temperature				•
• Breaker terminal temperature				•
Under voltage / Overvoltage alarm				•
Fault History			•	•
Self Monitoring			•	•
Temperature sensing				•
Breaker fault			•	•
Potential free contacts			•	•
LED Indications	•	•	•	•
Operation counter			•	•
Function Check	•	•	•	•
LCD display			•	•
Communication Port RS 485				•

• Available

Titania

Air Circuit Breaker

Order Form

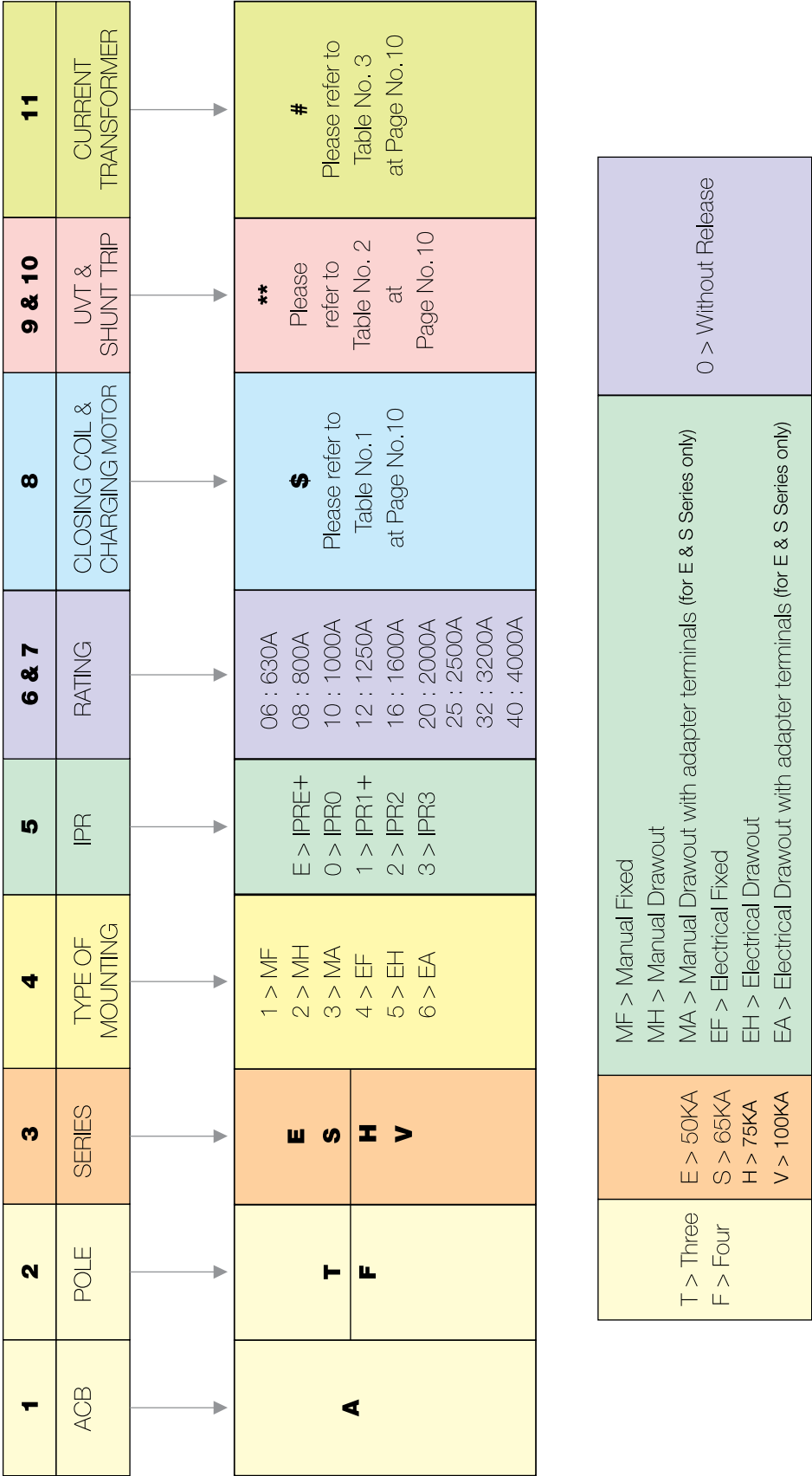
Please check ☒ in front of appropriate box. Fill separate sheet for each type of ACB

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

Note :

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

Havells Ordering Code Logic for ACB





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SH Frame: Fixed Thermal & Fixed Magnetic setting

Ics = 50% of Icu

HSN Code: **8536**

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	LP ₹
10	15	SH	IHLSHAAT0015	1,480
	20		IHLSHAAT0020	
	32		IHLSHAAT0032	
	40		IHLSHAAT0040	


ML1 Frame: Fixed Thermal & Fixed Magnetic setting

Ics = 50% of Icu

HSN Code: **8536**

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	LP ₹
10	63	ML 1	IHLM1AAT0063	1,420
	80		IHLM1AAT0080#	1,420
	100		IHLM1AAT0100#	1,495
	125		IHLM1AAT0125#	2,105


G Frame: Fixed Thermal & Fixed Magnetic setting | Ics = 100% of Icu

HSN Code: **8536**

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Single Pole Cat. No.	LP ₹	Three Pole Cat. No.	LP ₹	Four Pole wSN Cat. No.	LP ₹
10	25	GS	IHLGSS0025	770	IHLGST0025	1,630	IHLGSF0025	2,140
	32		IHLGSS0032		IHLGST0032		IHLGSF0032	
	40		IHLGSS0040		IHLGST0040		IHLGSF0040	
	50		IHLGSS0050		IHLGST0050		IHLGSF0050	
	63		IHLGSS0063		IHLGST0063	1,705	IHLGSF0063	2,250
	80		IHLGSS0080 #	1,020	IHLGST0080 #	1,740	IHLGSF0080 #	2,620
	100		IHLGSS0100 #		IHLGST0100 #		IHLGSF0100 #	
	125		IHLGSS0125 #		IHLGST0125 #	2,965	IHLGSF0125 #	3,515
	150		IHLGSS0150 #		IHLGST0150 #	3,545	IHLGSF0150 #	4,695
	160		IHLGSS0160 #	1,100	IHLGST0160 #		IHLGSF0160 #	


G Frame: Fixed Thermal & Fixed Magnetic setting | Ics = 75% of Icu

HSN Code: **8536**

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Single Pole Cat. No.	LP ₹	Three Pole Cat. No.	LP ₹	Four Pole wSN Cat. No.	LP ₹
16	25	GN	IHLGNS0025	1,040	IHLGNT0025	2,925	IHLGNF0025	3,460
	32		IHLGNS0032		IHLGNT0032		IHLGNF0032	
	40		IHLGNS0040		IHLGNT0040		IHLGNF0040	
	50		IHLGNS0050		IHLGNT0050		IHLGNF0050	
	63		IHLGNS0063		IHLGNT0063		IHLGNF0063	
	80		IHLGNS0080 #	1,130	IHLGNT0080 #	3,230	IHLGNF0080 #	3,925
	100		IHLGNS0100 #		IHLGNT0100 #		IHLGNF0100 #	
	125		IHLGNS0125 #		IHLGNT0125 #	3,530	IHLGNF0125 #	4,270
	150		IHLGNS0150 #		IHLGNT0150 #	4,025	IHLGNF0150 #	4,845
	160		IHLGNS0160 #		IHLGNT0160 #		IHLGNF0160 #	



* In ML1 63A, GS 25A / 32A / 40A / 50A / 63A are without extended terminals. However extended terminal are available on request at extra price for these rating

Extended Terminals:

In SH-Frame only 100A

In ML-Frame from (80A to 125A)

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

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



G Frame: Fixed Thermal & Fixed Magnetic setting | Ics = 50% of Icu

HSN Code: **8536**

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Single Pole Cat. No.	LP ₹	Three Pole Cat. No.	LP ₹	Four Pole (wSN) Cat. No.	LP ₹
25	25	GH	IHLGHDAS0025	1,250	IHLGHT0025	3,250	IHLGHF0025	4,090
	32		IHLGHDAS0032		IHLGHT0032		IHLGHF0032	
	40		IHLGHDAS0040		IHLGHT0040		IHLGHF0040	
	50		IHLGHDAS0050		IHLGHT0050		IHLGHF0050	
	63		IHLGHDAS0063		IHLGHT0063		IHLGHF0063	
	80		IHLGHDAS0080 #	1,320	IHLGHT0080 #	3,625	IHLGHF0080 #	4,440
	100		IHLGHDAS0100 #		IHLGHT0100 #		IHLGHF0100 #	
	125		IHLGHDAS0125 #		IHLGHT0125 #		IHLGHF0125 #	
	150		IHLGHDAS0150 #		IHLGHT0150 #		IHLGHF0150 #	
	160		IHLGHDAS0160 #		IHLGHT0160 #		IHLGHF0160 #	

F Frame: Fixed Thermal & Fixed Magnetic setting

Ics = 100% of Icu

HSN Code: **8536**

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	LP ₹	Four Pole (wSN) Cat. No.	LP ₹
35	25	FN	IHLFNT0025	5,750	IHLFNF0025	6,530
	32		IHLFNT0032		IHLFNF0032	
	40		IHLFNT0040		IHLFNF0040	
	50		IHLFNT0050		IHLFNF0050	
	63		IHLFNT0063		IHLFNF0063	
	80		IHLFNT0080 #	6,620	IHLFNF0080 #	7,945
	100		IHLFNT0100 #		IHLFNF0100 #	
	125		IHLFNT0125 #		IHLFNF0125 #	
	160		IHLFNT0160 #		IHLFNF0160 #	
	200		IHLFNT0200 #		IHLFNF0200 #	
	250		IHLFNT0250 #		IHLFNF0250 #	



F Frame: Fixed Thermal & Fixed Magnetic setting

Ics = 100% of Icu

HSN Code: **8536**

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	LP ₹	Four Pole (wSN) Cat. No.	LP ₹
50	25	FH	IHLFHT0025	6,465	IHLFHF0025	7,330
	32		IHLFHT0032		IHLFHF0032	
	40		IHLFHT0040		IHLFHF0040	
	50		IHLFHT0050		IHLFHF0050	
	63		IHLFHT0063		IHLFHF0063	
	80		IHLFHT0080 #	6,900	IHLFHF0080 #	8,190
	100		IHLFHT0100 #		IHLFHF0100 #	
	125		IHLFHT0125 #		IHLFHF0125 #	
	160		IHLFHT0160 #		IHLFHF0160 #	
	200		IHLFHT0200 #		IHLFHF0200 #	
	250		IHLFHT0250 #		IHLFHF0250 #	



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

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

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

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


E1 Frame: Adjustable Thermal* & Fixed Magnetic setting

Ics = 100% of Icu

HSN Code: **8536**

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Single Pole Cat. No. Icu at 240V (kA)	LP ₹	Double Pole Cat. No.	LP ₹	Three Pole Cat. No.	LP ₹	Four Pole Cat. No.	LP ₹
10	40	E1	IHLE1AAS0040	1,350	IHLE1AAD0040	1,975	IHLE1ABT0040	2,570	IHLE1ABF0040	3,000
	50		IHLE1AAS0050	1,350	IHLE1AAD0050	1,975	IHLE1ABT0050	2,570	IHLE1ABF0050	3,000
	63		IHLE1AAS0063	1,350	IHLE1AAD0063	1,975	IHLE1ABT0063	2,570	IHLE1ABF0063	3,000
	80		IHLE1AAS0080#	1,405	IHLE1AAD0080#	2,055	IHLE1ABT0080#	2,670	IHLE1ABF0080#	3,205
	100		IHLE1AAS0100#	1,405	IHLE1AAD0100#	2,055	IHLE1ABT0100#	2,670	IHLE1ABF0100#	3,205
	125		IHLE1AAS0125#	1,855	IHLE1AAD0125#	2,715	IHLE1ABT0125#	3,530	IHLE1ABF0125#	4,210
	160		IHLE1AAS0160#	2,120	IHLE1AAD0160#	3,100	IHLE1ABT0160#	4,025	IHLE1ABF0160#	4,860

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


A Frame: Adjustable Thermal* & Fixed Magnetic setting

Ics = 100% of Icu

HSN Code: **8536**

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	LP ₹	Four Pole (wSN) Cat. No.	LP ₹
16	160	AS	IHLAST0160 #	4,585	IHLASF0160 #	6,590
	200		IHLAST0200 #	5,275	IHLASF0200 #	7,205

Ics = 75% of Icu

HSN Code: **8536**

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Single Pole Cat. No.	LP ₹	Three Pole Cat. No.	LP ₹	Four Pole (wSN) Cat. No.	LP ₹
25	25	AS	IHLASS0025	1,615	IHLAST0025	3,360	IHLASF0025	4,650
	32		IHLASS0032		IHLAST0032		IHLASF0032	
	40		IHLASS0040		IHLAST0040		IHLASF0040	
	50		IHLASS0050		IHLAST0050		IHLASF0050	
	63		IHLASS0063		IHLAST0063		IHLASF0063	
	80		IHLASS0080 #		IHLAST0080 #	3,660	IHLASF0080 #	4,905
	100		IHLASS0100 #		IHLAST0100 #		IHLASF0100 #	
	125	AN	IHLASS0125 #	2,685	IHLAST0125 #	5,045	IHLASF0125 #	5,885
	160		IHLANS0160 #	3,095	IHLANT0160 #	6,015	IHLANF0160 #	7,465
	200		IHLANS0200 #	3,535	IHLANT0200 #	7,665	IHLANF0200 #	9,470
	250		IHLANS0250 #	3,970	IHLANT0250 #	9,060	IHLANF0250 #	11,530

Ics = 75% of Icu

HSN Code: **8536**

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	LP ₹	Four Pole (wSN) Cat. No.	LP ₹
35	25	AN	IHLANT0025	4,285	IHLANF0025	5,235
	32		IHLANT0032		IHLANF0032	
	40		IHLANT0040		IHLANF0040	
	50		IHLANT0050		IHLANF0050	
	63		IHLANT0063		IHLANF0063	
	80		IHLANT0080 #	4,945	IHLANF0080 #	5,775
	100		IHLANT0100 #		IHLANF0100 #	
	125		IHLANT0125 #	5,115	IHLANF0125 #	6,025

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

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

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

A Frame: Adjustable Thermal* & Adjustable Magnetic Setting

Ics = 100% of Icu

HSN Code: **8536**

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	LP ₹	Four Pole (wSN) Cat. No.	LP ₹
16	160	AS	IHLASBCT0160 #	4,905	IHLASBCF0160 #	6,915
	200		IHLASBCT0200 #	5,600	IHLASBCF0200 #	7,535

Ics = 75% of Icu

HSN Code: **8536**

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	LP ₹	Four Pole (wSN) Cat. No.	LP ₹
25	80	AS	IHLASDCT0080 #	3,925	IHLASDCF0080 #	5,170
	100		IHLASDCT0100 #		IHLASDCF0100 #	
	125		IHLASDCT0125 #	5,345	IHLASDCF0125 #	6,190
	160	AN	IHLANDCT0160 #	6,330	IHLANDCF0160 #	7,790
	200		IHLANDCT0200 #	7,975	IHLANDCF0200 #	9,810
	250		IHLANDCT0250 #	9,385	IHLANDCF0250 #	11,870

Ics = 75% of Icu

HSN Code: **8536**

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	LP ₹	Four Pole (wSN) Cat. No.	LP ₹
35	80	AN	IHLANECT0080 #	5,225	IHLANECF0080 #	6,035
	100		IHLANECT0100 #		IHLANECF0100 #	
	125		IHLANECT0125 #	5,420	IHLANECF0125 #	6,330

**HID Series:** Adjustable Thermal* & Fixed Magnetic setting

Ics = 100% of Icu

HSN Code: **8536**

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Single Pole Cat. No. Icu at 240V (kA)	LP ₹	Double Pole Cat. No.	LP ₹	Three Pole Cat. No.	LP ₹	Four Pole Cat. No.	LP ₹
27	40	HID1	IHA13DBS0040	2,210	IHA13DBD0040	3,230	IHA13DBT0040	4,200	IHA13DBF0040	4,900
	50		IHA13DBS0050	2,210	IHA13DBD0050	3,230	IHA13DBT0050	4,200	IHA13DBF0050	4,900
	63		IHA13DBS0063	2,210	IHA13DBD0063	3,230	IHA13DBT0063	4,200	IHA13DBF0063	4,900
	80		IHA13DBS0080#	2,365	IHA13DBD0080#	3,460	IHA13DBT0080#	4,500	IHA13DBF0080#	5,400
	100		IHA13DBS0100#	2,365	IHA13DBD0100#	3,460	IHA13DBT0100#	4,500	IHA13DBF0100#	5,400
	125		IHA13DBS0125#	2,995	IHA13DBD0125#	4,385	IHA13DBT0125#	5,700	IHA13DBF0125#	6,800
	160		IHA13DBS0160#	3,705	IHA13DBD0160#	5,420	IHA13DBT0160#	7,040	IHA13DBF0160#	8,500

Ics = 100% of Icu

HSN Code: **8536**

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Single Pole Cat. No. Icu at 240V (kA)	LP ₹	Double Pole Cat. No.	LP ₹	Three Pole Cat. No.	LP ₹	Four Pole Cat. No.	LP ₹
36	40	HID1	IHA13EBS0040	2,735	IHA13EBD0040	4,000	IHA13EBT0040	5,200	IHA13EBF0040	6,200
	50		IHA13EBS0050	2,735	IHA13EBD0050	4,000	IHA13EBT0050	5,200	IHA13EBF0050	6,200
	63		IHA13EBS0063	2,735	IHA13EBD0063	4,000	IHA13EBT0063	5,200	IHA13EBF0063	6,200
	80		IHA13EBS0080#	3,055	IHA13EBD0080#	4,460	IHA13EBT0080#	5,800	IHA13EBF0080#	6,900
	100		IHA13EBS0100#	3,050	IHA13EBD0100#	4,460	IHA13EBT0100#	5,800	IHA13EBF0100#	7,000
	125		IHA13EBS0125#	3,210	IHA13EBD0125#	4,695	IHA13EBT0125#	6,100	IHA13EBF0125#	7,200
	160		IHA13EBS0160#	4,105	IHA13EBD0160#	6,000	IHA13EBT0160#	7,800	IHA13EBF0160#	9,000

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

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

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



L Frame: Adjustable Thermal* & Fixed Magnetic setting

Ics = 100% of Icu

HSN Code: **8536**

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	LP ₹	Four Pole (wSN) Cat. No.	LP ₹
36	200	LS	IHLLSEBT0200 #	14,400	IHLLSEBF0200 #	17,190
	250		IHLLSEBT0250 #	14,930	IHLLSEBF0250 #	17,925
	320		IHLLSEBT0320 #	15,770	IHLLSEBF0320 #	21,015
	400		IHLLSEBT0400 #		IHLLSEBF0400 #	
	500		IHLLSEBT0500 #	19,135	IHLLSEBF0500 #	23,805
	630		IHLLSEBT0630 #	19,780	IHLLSEBF0630 #	24,695

Ics = 75% of Icu

HSN Code: **8536**

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	LP ₹	Four Pole (wSN) Cat. No.	LP ₹
50	200	LN	IHLLNFBT0200 #	14,610	IHLLNFBF0200 #	17,420
	250		IHLLNFBT0250 #	15,720	IHLLNFBF0250 #	18,670
	320		IHLLNFBT0320 #	17,190	IHLLNFBF0320 #	22,595
	400		IHLLNFBT0400 #		IHLLNFBF0400 #	
	500		IHLLNFBT0500 #	20,430	IHLLNFBF0500 #	25,190
	630		IHLLNFBT0630 #	21,090	IHLLNFBF0630 #	27,200

Note : # MCCBs are with extended terminals. *Adjustable thermal (80% -100%)



L Frame: Adjustable Thermal & Adjustable Magnetic setting*

Ics = 100% of Icu

HSN Code: **8536**

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	LP ₹	Four Pole (wSN) Cat. No.	LP ₹
36	200	LS	IHLLSECT0200 #	14,960	IHLLSECF0200 #	17,855
	250		IHLLSECT0250 #	15,435	IHLLSECF0250 #	18,420
	320		IHLLSECT0320 #	16,240	IHLLSECF0320 #	21,500
	400		IHLLSECT0400 #		IHLLSECF0400 #	
	500		IHLLSECT0500 #	19,605	IHLLSECF0500 #	24,270
	630		IHLLSECT0630 #	20,225	IHLLSECF0630 #	25,140

Ics = 75% of Icu

HSN Code: **8536**

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	LP ₹	Four Pole (wSN) Cat. No.	LP ₹
50	200	LN	IHLLNFCT0200 #	15,225	IHLLNFCF0200 #	17,995
	250		IHLLNFCT0250 #	16,215	IHLLNFCF0250 #	19,160
	320		IHLLNFCT0320 #	17,685	IHLLNFCF0320 #	23,085
	400		IHLLNFCT0400 #		IHLLNFCF0400 #	
	500		IHLLNFCT0500 #	20,905	IHLLNFCF0500 #	25,660
	630		IHLLNFCT0630 #	21,540	IHLLNFCF0630 #	27,655

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

Industrial Switchgear

Loadline Moulded Case Circuit Breakers (AC 415V)

(Conforms to IS/IEC:60947-2)

HAVELLS

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



C Frame: Adjustable Thermal & Adjustable Magnetic setting*

Ics = 75% of Icu

HSN Code: **8536**

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	LP ₹	Four Pole (wSN) Cat. No.	LP ₹
35	160	CN	IHLCNT0160 #	18,230	IHLCHF0160 #	23,990
	200		IHLCNT0200 #		IHLCHF0200 #	
	250		IHLCNT0250 #		IHLCHF0250 #	
	315		IHLCNT0315 #	18,890	IHLCHF0315 #	24,855
	400		IHLCNT0400 #		IHLCHF0400 #	
	500		IHLCNT0500 #		IHLCHF0500 #	
	630		IHLCNT0630 #	23,080	IHLCHF0630 #	28,320
	800		IHLCNT0800 #	26,875	IHLCHF0800 #	33,290

Ics = 50% of Icu

HSN Code: **8536**

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	LP ₹	Four Pole (wSN) Cat. No.	LP ₹
50	160	CH	IHLCHT0160 #	20,055	IHLCHF0160 #	26,570
	200		IHLCHT0200 #		IHLCHF0200 #	
	250		IHLCHT0250 #		IHLCHF0250 #	
	315		IHLCHT0315 #		IHLCHF0315 #	
	400		IHLCHT0400 #		IHLCHF0400 #	
	500		IHLCHT0500 #	24,525	IHLCHF0500 #	30,480
	630		IHLCHT0630 #		IHLCHF0630 #	30,980
	800		IHLCHT0800 #	29,445	IHLCHF0800 #	35,340

D Frame: Adjustable Thermal & Adjustable Magnetic setting*

Ics = 75% of Icu

HSN Code: **8536**

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	LP ₹
50	1000	DN	IHLDT01000 #	66,995
	1250		IHLDT01250 #	76,805
	1600		IHLDT01600 #	82,785

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

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

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

- D Frame 1250A, 1600A

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




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

Ics = 75% of Icu

HSN Code: **8536**

Breaking Capacity Icu at 250VDC (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	LP ₹
5	25	GN	IHMCNT0025	3,070
	32		IHMCNT0032	
	40		IHMCNT0040	
	50		IHMCNT0050	
	63		IHMCNT0063	
	80		IHMCNT0080 #	
	100		IHMCNT0100 #	4,095
	125		IHMCNT0125 #	
	160		IHMCNT0160 #	

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

Ics = 75% of Icu

HSN Code: **8536**

Breaking Capacity Icu at 250VDC (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	LP ₹
10	25	AN	IHMCA0025	4,205
	32		IHMCA0032	
	40		IHMCA0040	
	50		IHMCA0050	
	63		IHMCA0063	
	80		IHMCA0080 #	4,575
	100		IHMCA0100 #	
	125		IHMCA0125 #	6,305
	160		IHMCA0160 #	8,650
	200		IHMCA0200 #	9,380
	250		IHMCA0250 #	10,580

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

Ics = 50% of Icu

HSN Code: **8536**

Breaking Capacity Icu at 250VDC (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	LP ₹
20	160	CH	IHMCA0160 #	21,305
	200		IHMCA0200 #	
	250		IHMCA0250 #	
	315		IHMCA0315 #	
	400		IHMCA0400 #	
	500		IHMCA0500 #	25,270
	630		IHMCA0630 #	
	800		IHMCA0800 #	

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

All the above MCCB's are with extended terminals.

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

Accessories for Loadline MCCB Enclosures

HSN Code: **8538**

Sl.No.	Description	Cat. No.	LP ₹
1.	'ML' Frame TP	IHEMTP	775
2.	'G' Frame TP	IHEGTP	1,360
3.	'G' Frame FP	IHEGFP	1,360
4.	'A' Frame TP	IHEATP	1,470
5.	'A' Frame FP	IHEAFP	1,470
6.	'F' Frame TP	IHEFTP	1,570
7.	'F' Frame FP	IHEFFP	1,570
8.	'C' Frame TP / FP (400A)	IHECTP	6,565
9.	'C' Frame TP / FP (800A)	IHECTS	6,935
10.	'L' Frame TP	IHELTP	5,640
11.	'L' Frame FP	IHELFP	6,105



Accessories for Loadline Moulded Case Circuit Breakers

HSN Code: 8538

Description	'G' Frame		'A' Frame		'F' Frame		'C' Frame		'D' Frame		'L' Frame	
	Cat. No.	LP ₹	Cat. No.	LP ₹	Cat. No.	LP ₹	Cat. No.	LP ₹	Cat. No.	LP ₹	Cat. No.	LP ₹
Shunt Trip												
100-110Vac	IHLGS110	895	IHLAS110	920	IHLSTF110	1,070	IHLCS110	1,305	IHLSTD110	1,395	IHLLS110	1,270
220-240Vac	IHLGS240	895	IHLAS240	920	IHLSTF240	1,070	IHLCS240	1,305	IHLSTD240	1,395	IHLLS240	1,270
380-415Vac	IHLGS415	895	IHLAS415	920	IHLSTF415	1,070	IHLCS415	1,305	IHLSTD415	1,395	IHLLS415	1,270
Under Voltage Release												
110-120Vac	IHLGU110	1,095	IHLAU110	1,215	IHLUVRF110	1,215	IHLCU110	1,530	IHLUVRD110	1,680	IHLLU110	1,530
220-240Vac	IHLGU240	1,095	IHLAU240	1,215	IHLUVRF240	1,215	IHLCU240	1,530	IHLUVRD240	1,680	IHLLU240	1,530
380-440Vac	IHLGU440	1,095	IHLAU440	1,215	IHLUVRF440	1,215	IHLCU440	1,530	IHLUVRD440	1,680	IHLLU415	1,530
Auxiliary Contact (250Vac/250Vdc) (450Vac/250Vdc)												
1-Changeover	IHLASG1CO	605	IHLAA1CO	625	IHLASF1CO	625	IHLASC1CO	865	IHLASD1CO	1,165	IHLA1CO	725
2-Changeover	IHLASG2CO	685	IHLAA2CO	860	IHLASF2CO	860	IHLASC2CO	1,085	IHLASD2CO	1,420	IHLA2CO	905
Rotary Handle												
Direct mounting	IHLGD000	895	IHLAD000	1,125								
Door Mounting	IHLGRN30	895	IHLARN30	1,125	IHLRRHF30	1,200	IHLRRHC30	2,085	IHLRRHD30	3,735	IHLRN30	2,075
Trip Alarm Contact (Factory Fitted)	IHLALG1CO	515	IHLALA1CO	585	IHLALF1CO	585	IHLALC1CO*	790	—	—	IHLB000	690
Back Studs	—	—	IHLBSA250	\$	—	—	IHLBSC##	\$	—	—		

Note : Following additional accessories are available on request :

- Terminal Shrouds for G, A, F frame
- Dolly Pad Lock for G, A, F, C & L frame
- Factory fitted Castell Lock available in C and D frame
- \$ - Back Studs (Price on Request)
- * - Factory Fitted only
- # - Replace # with rating
- * E1 & HID Series accessories prices available on request

Earth Fault Relay for MCCBs

HSN Code: 8538

Sl. No.	MCCBs Current Range (Amps)	Cat. No.**	LP ₹
1	25-100	IHEF1100	4,555
2	125-200	IHEF2200	5,175
3	250-400	IHEF3400	6,035
4	500-800	IHEF4800	7,525

- The above prices are inclusive of CBCT.

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

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



Loadline Digital Moulded Case Circuit Breakers (AC 415V)

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


FE Frame : Ics = 100% of Icu

HSN Code: **8536**

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	LP ₹	Four Pole (wSN) Cat. No.	LP ₹
35	25	FEN	IHLFENT0025	8,060	IHLFENF0025	10,435
	32		IHLFENT0032		IHLFENF0032	
	40		IHLFENT0040		IHLFENF0040	
	50		IHLFENT0050		IHLFENF0050	
	63		IHLFENT0063		IHLFENF0063	
	80		IHLFENT0080 #		IHLFENF0080 #	
	100		IHLFENT0100 #		IHLFENF0100 #	
	125		IHLFENT0125 #	9,180	IHLFENF0125 #	11,730
	160		IHLFENT0160 #	9,820	IHLFENF0160 #	12,405
	200		IHLFENT0200 #	12,460	IHLFENF0200 #	14,475
	250		IHLFENT0250 #	14,460	IHLFENF0250 #	17,020

Ics = 75% of Icu

HSN Code: **8536**

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	LP ₹	Four Pole (wSN) Cat. No.	LP ₹
50	25	FEH	IHLFEHT0025	8,535	IHLFEHF0025	10,910
	32		IHLFEHT0032		IHLFEHF0032	
	40		IHLFEHT0040		IHLFEHF0040	
	50		IHLFEHT0050		IHLFEHF0050	
	63		IHLFEHT0063		IHLFEHF0063	
	80		IHLFEHT0080 #		IHLFEHF0080 #	
	100		IHLFEHT0100 #		IHLFEHF0100 #	
	125		IHLFEHT0125 #	9,685	IHLFEHF0125 #	12,235
	160		IHLFEHT0160 #	10,860	IHLFEHF0160 #	13,440
	200		IHLFEHT0200 #	13,515	IHLFEHF0200 #	15,505
	250		IHLFEHT0250 #	15,570	IHLFEHF0250 #	18,085

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

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

In FEH Frame from (80A-250A)

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

LE Frame : Ics = 100% of Icu

HSN Code: **8536**

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	LP ₹	Four Pole (wSN) Cat. No.	LP ₹
36	250	LES	IHLLSEET0250 #	20,255	IHLLSEEF0250 #	24,520
	320		IHLLSEET0320 #		IHLLSEEF0320 #	
	400		IHLLSEET0400 #		IHLLSEEF0400 #	
	500		IHLLSEET0500 #	21,490	IHLLSEEF0500 #	28,690
	630		IHLLSEET0630 #		IHLLSEEF0630 #	

Ics = 75% of Icu

HSN Code: **8536**

Breaking Capacity Icu at 415V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	LP ₹	Four Pole (wSN) Cat. No.	LP ₹
50	250	LEN	IHLLNFET0250 #	22,520	IHLLNFEF0250 #	28,205
	320		IHLLNFET0320 #		IHLLNFEF0320 #	
	400		IHLLNFET0400 #		IHLLNFEF0400 #	
	500		IHLLNFET0500 #	24,430	IHLLNFEF0500 #	32,040
	630		IHLLNFET0630 #		IHLLNFEF0630 #	

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

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

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

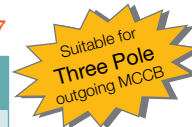
Single door



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

HSN Code: 8537

Incomer**	Outgoing* (No. of Ways)	Single Door Cat. No.	LP ₹	Double Door Cat. No.	LP ₹
250A "AA" Frame MCCB	2	IHVG025002	28,975	IHVG02500200	31,660
	4	IHVG025004	36,405	IHVG02500400	39,045
	6	IHVG025006	41,660	IHVG02500600	44,325
	8	IHVG025008	45,120	IHVG02500800	47,775
	12	IHVG025012	55,710	IHVG02501200	58,330
	16	IHVG025016	65,545	IHVG02501600	68,210
400A "LS" Frame MCCB	2	IHLG040002	33,855	IHLG04000200	36,990
	4	IHLG040004	40,425	IHLG04000400	43,360
	6	IHLG040006	43,030	IHLG04000600	45,780
	8	IHLG040008	45,970	IHLG04000800	48,680
	12	IHLG040012	59,210	IHLG04001200	61,990
	16	IHLG040016	70,320	IHLG04001600	73,175
400A "CN" Frame MCCB	2	IHVG040002	36,160	IHVG04000200	38,835
	4	IHVG040004	42,535	IHVG04000400	44,260
	6	IHVG040006	49,405	IHVG04000600	52,090
	8	IHVG040008	52,235	IHVG04000800	54,925
	12	IHVG040012	64,085	IHVG04001200	67,060
	16	IHVG040016	73,195	IHVG04001600	75,905



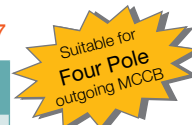
* The outgoings number of ways is the number of "G" Frame TP MCCBs that can be mounted. In case of SP MCCBs the number of MCCBs shall be three times the number of ways in TP MCCBs.

** 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 Cat. No.	LP ₹	Double Door Cat. No.	LP ₹
250A "AA" Frame MCCB	2	IHVGF25002	31,185	IHVGF2500200	33,820
	4	IHVGF25004	38,790	IHVGF2500400	41,445
	6	IHVGF25006	45,675	IHVGF2500600	48,300
	8	IHVGF25008	49,295	IHVGF2500800	51,950
	12	IHVGF25012	71,515	IHVGF2501200	74,160
400A "LS" Frame MCCB	2	IHLGF40002	36,435	IHLGF4000200	39,515
	4	IHLGF40004	43,075	IHLGF4000400	46,020
	6	IHLGF40006	47,175	IHLGF4000600	49,885
	8	IHLGF40008	50,225	IHLGF4000800	52,935
	12	IHLGF40012	76,005	IHLGF4001200	78,815
400A "CN" Frame MCCB	2	IHVGF40002	39,830	IHVGF4000200	42,525
	4	IHVGF40004	47,225	IHVGF4000400	49,935
	6	IHVGF40006	54,185	IHVGF4000600	56,880
	8	IHVGF40008	57,610	IHVGF4000800	60,305
	12	IHVGF40012	80,435	IHVGF4001200	83,145



* 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 Cat. No.	LP ₹	Double Door Cat. No.	LP ₹
1	Cable Alley I/C 250A,O/G 3P GF 2/4Way	ISSBOU0674	11,345	ISSBOU0690	12,165
2	Cable Alley I/C 250A,O/G 3P GF 6WAY & 4P 2/4Way	ISSBOU0675	15,235	ISSBOU0691	16,060
3	Cable Alley I/C 250A,O/G 3P GF 8WAY & 4P 6Way	ISSBOU0676	15,440	ISSBOU0692	16,840
4	Cable Alley I/C 250A,O/G 3P GF 12Way	ISSBOU0677	17,520	ISSBOU0693	18,005
5	Cable Alley I/C 250A,O/G 4P GF 8Way	ISSBOU0678	17,520	ISSBOU0694	18,005
6	Cable Alley I/C 250A,O/G 3P GF 16Way & 4P 12Way	ISSBOU0679	20,635	ISSBOU0696	21,415
7	Cable Alley I/C 400A,O/G 3P GF 2/4Way	ISSBOU0680	13,435	ISSBOU0697	13,920
8	Cable Alley I/C 400A,O/G 3P GF 6WAY & 4P 2/4Way	ISSBOU0681	13,435	ISSBOU0698	13,920
9	Cable Alley I/C 400A/630A/800A, O/G 3P GF 8Way, 4P 6Way & A/F 6Way	ISSBOU0682	18,060	ISSBOU0699	18,935
10	Cable Alley I/C 400A,O/G 3P GF 12Way	ISSBOU0683	20,835	ISSBOU0700	21,415
11	Cable Alley I/C 400A/630A/800A, O/G 4P 8Way & A/F 8Way	ISSBOU0684	21,900	ISSBOU0701	22,390
12	Cable Alley I/C 400A/630A/800A, O/G 4P 12Way & A/F 12Way	ISSBOU0685	22,875	ISSBOU0702	23,365

* 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 Cat. No.	LP ₹	Double Door Cat. No.	LP ₹
400A	6	IHLA040006	58,095	IHLA04000600	60,210
"LS" Frame	8	IHLA040008	62,060	IHLA04000800	64,230
MCCB	12	IHLA040012	79,930	IHLA04001200	82,005
400A	6	IHVA040006	73,770	IHVA04000600	76,460
"CN/CH" Frame	8	IHVA040008	76,845	IHVA04000800	79,535
MCCB	12	IHVA040012	1,03,550	IHVA04001200	1,06,240
630A	6	IHVA063006	78,280	IHVA06300600	80,920
"CN/CH" Frame MCCB	8	IHVA063008	81,090	IHVA06300800	83,730
	12	IHVA063012	1,06,915	IHVA06301200	1,09,555
800A	6	IHVA080006	78,695	IHVA08000600	81,335
"CN/CH" Frame	8	IHVA080008	81,745	IHVA08000800	84,380
MCCB	12	IHVA080012	1,07,770	IHVA08001200	1,10,405

* 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 Cat. No.	LP ₹	Double Door Cat. No.	LP ₹
1	Prewire Meter Module - Analog	ISSBOU0689	13,135	ISSBOU0706	13,630
2	Meter Module - Digital	ISSBOU0711	16,160	ISSBOU0707	17,035

Bare Meter Module / MCB Module / Add on Module

HSN Code: **8537**

S. No.	Description	Single Door Cat. No.	LP ₹	Double Door Cat. No.	LP ₹
1	Meter Module - Analog Provision for Ammeter, Voltmeter - Analog with selector switch	ISSBOU0686	5,060	ISSBOU0703	5,840
2	MCB Module	ISSBOU0687	5,060	ISSBOU0704	5,840
3	Add on Module	ISSBOU0688	5,060	ISSBOU0705	5,840

* 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

HSN Code: **8537**

S. No.	Description	Cat. No.	LP ₹
1	250A Incoming change Over switch-F1	ISSBOU0708	9,480
2	400A & 630A Incoming change Over switch - F2	ISSBOU0709	13,925
3	800A Incoming change Over switch - F3	ISSBOU0710	16,295

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





On-Load Changeover Switch I-O-II

HSN Code: **8536**

Frame Size	Current Rating (Amps)	Open Execution Cat. Code	LP ₹	SS Enclosure Cat. Code	LP ₹
00	040	IHCNFO0040	3,735	IHCNFE0040	5,235
00	063	IHCNFO0063	3,925	IHCNFE0063	5,375
00	080	IHCNFO0080	5,045	IHCNFE0080	6,545
00	100	IHCNFO0100	5,190	IHCNFE0100	6,900

Euroload Four Pole Changeover with Advance Neutral

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

On-Load Changeover Switch I-O-II

HSN Code: **8536**

Frame Size	Current Rating (Amps)	Open Execution Cat. Code	LP ₹	SS Enclosure Cat. Code	LP ₹
0	125	IHCNFO0125	7,790	IHCNFE0125	10,395
0	160	IHCNFO0160	8,505	IHCNFE0160	11,120
0	200	IHCNFO0200	10,205	IHCNFE0200	12,815
1	250	IHCNFO0250	14,900	IHCNFE0250	18,230
1	320	IHCNFO0320	15,740	IHCNFE0320	19,070
2	400	IHCNFO0400	22,970	IHCNFE0400	27,795
2	630	IHCNFO0630	27,030	IHCNFE0630	31,855
3	800	IHCNFO0800	40,460	IHCNFE0800	47,635
4	1000	IHCNFO1000	68,915	IHCNFE1000	88,500
4	1250	IHCNFO1250	92,380	IHCNFE1250	111,965
4	1600	IHCNFO1600	110,025	IHCNFE1600	150,350
5	2000	IHCNFO2000	168,820	IHCNFE2000	201,805
5	2500	IHCNFO2500	217,635	IHCNFE2500	250,620
5	3150	IHCNFO3150	306,540	IHCNFE3150	339,525

Note :

- # Prices on request
- * Phase Barriers & Handle with door interlock kit is integral part of the Changeover Switch.
- ** Aux. contacts for signalling and electrical interlocking are optional and provided at extra price.

Euroload Four Pole By Pass Switch

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

HSN Code: **8536**

Frame Size	Current Rating (Amps)	Open Execution Cat. Code	LP ₹
00	063	IHCBFO0063	7,430
00	100	IHCBFO0100	8,635



Euroload Four Pole By Pass Switch

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

HSN Code: **8536**

Frame Size	Current Rating (Amps)	Open Execution Cat. Code	LP ₹
0	125	IHCBFO0125	11,055
0	160	IHCBFO0160	13,425
0	200	IHCBFO0200	14,320
1	250	IHCBFO0250	19,680
1	320	IHCBFO0320	21,065
2	400	IHCBFO0400	28,925
2	630	IHCBFO0630	37,220
3	800	IHCBFO0800	54,165
3	1000	IHCBFO1000	82,990
3	1600	IHCBFO1600	1,32,560

Accessories:

HSN Code: **8538**

Aux. Contact	Cat. No.	LP ₹
1 NO. 1 NC.	IHCNFACT1CO	280
2 NO. 2 NC.	IHCNFACT2CO	375

Industrial Switchgear

Instaline Automatic Transfer Switch

(Conforms to IS/IEC:60947-2)

HAVELLS

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



Three / Four Pole, AC-31A, 50 Hz, 415V
Automatic/Manual with complete protection HSN Code: 8537

Rating AMP.	Cat. No. 3P	LP ₹ Three Pole	Cat. No. 4P	LP ₹ Four Pole
Open Execution				
100	IHYTCDO100	31,375	IHYFCDO100	35,005
125	IHYTCDO125	35,505	IHYFCDO125	39,615
160	IHYTCDO160	42,180	IHYFCDO160	45,795
200	IHYTCDO200	57,435	IHYFCDO200	61,375
250	IHYTCDO250	63,180	IHYFCDO250	67,510
315	IHYTCDO315	68,755	IHYFCDO315	72,645
400	IHYTCDO400	80,295	IHYFCDO400	83,975
500	IHYTCDO500	94,435	IHYFCDO500	98,760
630	IHYTCDO630	104,935	IHYFCDO630	108,855
With Enclosure				
100	IHYTCDE100	35,685	IHYFCDE100	39,315
125	IHYTCDE125	39,815	IHYFCDE125	43,925
160	IHYTCDE160	46,495	IHYFCDE160	50,105
200	IHYTCDE200	61,745	IHYFCDE200	65,685
250	IHYTCDE250	67,490	IHYFCDE250	71,820
315	IHYTCDE315	73,065	IHYFCDE315	76,960
400	IHYTCDE400	88,485	IHYFCDE400	92,165
500	IHYTCDE500	102,625	IHYFCDE500	106,950
630	IHYTCDE630	113,125	IHYFCDE630	117,045

Automatic Transfer Switch without Controller
HSN Code: 8537

Rating AMP.	Cat. No.	LP ₹ Four Pole
Open Execution		
100	IHYFNAO100	21,470
125	IHYFNAO125	22,890
160	IHYFNAO160	31,865
200	IHYFNAO200	45,265
250	IHYFNAO250	52,680
315	IHYFNAO315	56,685
400	IHYFNAO400	70,980
500	IHYFNAO500	84,895
630	IHYFNAO630	93,575



Three Pole, 415V

HSN Code: 8536

Frame Size	Current Rating (Amps)	Open Execution Cat. Code	LP ₹	SS Enclosure Cat. Code	LP ₹
0	80	IHCSTO0080	1,405	IHCSTE0080	2,185
0	100	IHCSTO0100	2,290	IHCSTE0100	3,250
0	125	IHCSTO0125	3,040	IHCSTE0125	3,955
0	160	IHCSTO0160	3,625	IHCSTE0160	4,545
0	200	IHCSTO0200	4,115	IHCSTE0200	5,100
1	250	IHCSTO0250	5,140	IHCSTE0250	6,555
1	320	IHCSTO0320	5,650	IHCSTE0320	7,180
1	400	IHCSTO0400	8,125	IHCSTE0400	9,795



Euroload Switch Disconnector

Four Pole, 415V

HSN Code: 8536

Frame Size	Current Rating (Amps)	Open Execution Cat. Code	LP ₹	SS Enclosure Cat. Code	LP ₹
00	40	IHCSFO0040	1,050	IHCSFE0040	1,690
00	63	IHCSFO0063	1,245	IHCSFE0063	1,885
00	80	IHCSFO0080	1,845	IHCSFE0080	2,500
00	100	IHCSFO0100	2,975	IHCSFE0100	3,640
0	125	IHCSFO0125	3,175	IHCSFE0125	4,015
0	160	IHCSFO0160	3,800	IHCSFE0160	4,640
0	200	IHCSFO0200	4,580	IHCSFE0200	5,535
1	250	IHCSFO0250	5,750	IHCSFE0250	7,450
1	320	IHCSFO0320	6,300	IHCSFE0320	7,910
2	400	IHCSFO0400	8,740	IHCSFE0400	10,925
2	630	IHCSFO0630	10,010	IHCSFE0630	12,335
3	800	IHCSFO0800	13,900	IHCSFE0800	17,600
4	1000	IHCSFO1000	22,570	IHCSFE1000	28,500
4	1250	IHCSFO1250	31,585	IHCSFE1250	38,465
4	1600	IHCSFO1600	44,480	IHCSFE1600	51,725
5	2000	IHCSFO2000	53,460	IHCSFE2000	68,105
5	2500	IHCSFO2500	69,370	IHCSFE2500	89,140
5	3150	IHCSFO3150	97,865	IHCSFE3150	1,15,175



Industrial Switchgear

Kompact *plus* Switch Disconnector Fuse Unit

(Conforms to IS/IEC:60947-2)

HAVELLS

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

Switch Disconnector Fuse Unit - (Panel Mounting Cubicle Type)

Double Pole - AC-23A, 50Hz, 415V

HSN Code: **8537**

Rating Amp.	Cat. No.	LP ₹	Cat. No.	LP ₹	HBC Fuse Type
	Open Execution with Fuses		In Sheet Steel Encl. with Fuses		
32	IHKDDF4032	1,370	IHKDDW4032	1,935	IHHTIA0032
32	IHKFDF4032	1,715	IHKFDW4032	2,245	IHHCD00032
63	IHKDDF4063	2,005	IHKDDW4063	2,595	IHHTSS0063
63	IHKFDF4063	2,235	IHKFDW4063	2,790	IHHCD00063
100	IHKDDF4100	4,065	IHKDDW4100	4,660	IHHTSD0100
100	IHKFDF4100	4,390	IHKFDW4100	5,010	IHHCD00100
125	IHKDDF4125	4,115	IHKDDW4125	4,690	IHHTSD0125
125	IHKFDF4125	4,500	IHKFDW4125	5,080	IHHCD00125



Kompact *plus* Switch Disconnector Fuse Unit

Switch Disconnector Fuse (Panel Mounting Cubicle Type)

Three Pole & Neutral - AC-23A, 50Hz, 415V

HSN Code: **8537**

Rating Amp.	Cat. No.	LP ₹	Cat. No.	LP ₹	HBC Fuse Type
	Open Execution with 3 Fuses		In Sheet Steel Encl. with 3 Fuses		
32	IHKDTF4032	1,520	IHKDTW4032	2,855	IHHTIA0032
32	IHKFTF4032	1,900	IHKFTW4032	3,235	IHHCD00032
63	IHKDTF4063	2,160	IHKDTW4063	3,490	IHHTSS0063
63	IHKFTF4063	2,550	IHKFTW4063	3,885	IHHCD00063
100	IHKDTF4100	4,685	IHKDTW4100	6,015	IHHTSD0100
100	IHKFTF4100	4,935	IHKFTW4100	6,265	IHHCD00100
125	IHKDTF4125	5,045	IHKDTW4125	6,375	IHHTSD0125
125	IHKFTF4125	5,270	IHKFTW4125	6,605	IHHCD00125



Kompact-EZO Switch Disconnector Fuse Unit

Switch Disconnector Fuse (Panel Mounting Cubicle Type)

Three Pole & Neutral - AC-23A, 50Hz, 415V

HSN Code: **8537**

Rating Amp.	Cat. No.	LP ₹	Cat. No.	LP ₹	HBC Fuse Type
	Open Execution with 3 Fuses		In Sheet Steel Encl. with 3 Fuses		
160	IHFSTF4160	6,140	IHFSTW4160	8,490	IHHTSF0160
160	IHFKTF4160	6,570	IHFKTW4160	8,920	IHHCD01160
200	IHFSTF4200	7,175	IHFSTW4200	9,525	IHHTSF0200
200	IHFKTF4200	7,475	IHFKTW4200	9,830	IHHCD01200
250	IHFSTF4250	8,730	IHFSTW4250	11,080	IHHTSF0250
250	IHFKTF4250	9,235	IHFKTW4250	11,590	IHHCD01250
320	IHFSTF4320	11,675	IHFSTW4320	14,420	IHHTSK0315
320	IHFKTF4320	12,440	IHFKTW4320	15,180	IHHCD02315
400	IHFSTF4400	14,030	IHFSTW4400	16,775	IHHTSMF400
400	IHFKTF4400	13,845	IHFKTW4400	16,590	IHHCD02400
630	IHFSTF4630	24,905	IHFSTW4630	28,430	IHHTLM0630
630	IHFKTF4630	22,730	IHFKTW4630	26,255	IHHCD03630
800	IHFSTF4800	28,920	IHFSTW4800	32,445	IHHTLM0800
800	IHFKTF4800	26,115	IHFKTW4800	29,645	



* 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.

* IHFKTF4800 & IHFKTW4800 available without Fuse Link

Four Pole - AC-23A, 50Hz, 415V

HSN Code: **8537**

Rating Amp.	Cat. No.	LP ₹	Cat. No.	LP ₹	HBC Fuse Type
	Open Execution with 4 Fuses		In Sheet Steel Encl. with 4 Fuses		
32	IHKDFF4032	2,020	IHKDFW4032	3,355	IHTIA0032
32	IHKFF4032	2,585	IHKFFW4032	3,915	IHC00032
63	IHKDFF4063	2,620	IHKDFW4063	3,950	IHTSS0063
63	IHKFF4063	3,035	IHKFFW4063	4,365	IHC00063
100	IHKDFF4100	5,430	IHKDFW4100	6,760	IHTSD0100
100	IHKFF4100	5,795	IHKFFW4100	7,130	IHC00100
125	IHKDFF4125	5,520	IHKDFW4125	6,855	IHTSD0125
125	IHKFF4125	5,900	IHKFFW4125	7,230	IHC00125



Kompact-EZO Switch Disconnector Fuse Unit

Four Pole - AC-23A, 50Hz, 415V

HSN Code: **8537**

Rating Amp.	Cat. No.	LP ₹	Cat. No.	LP ₹	HBC Fuse Type
	Open Execution with 4 Fuses		In Sheet Steel Encl. with 4 Fuses		
160	IHFSFF4160	7,895	IHFSFW4160	10,245	IHTSF0160
160	IHKFF4160	8,400	IHKFW4160	10,755	IHC01160
200	IHFSFF4200	8,275	IHFSFW4200	10,630	IHTSF0200
200	IHKFF4200	9,100	IHKFW4200	11,450	IHC01200
250	IHFSFF4250	9,770	IHFSFW4250	12,120	IHTSF0250
250	IHKFF4250	9,960	IHKFW4250	12,310	IHC01250
320	IHFSFF4320	12,500	IHFSFW4320	15,635	IHTSK0315
320	IHKFF4320	12,870	IHKFW4320	16,005	IHC02315
400	IHFSFF4400	14,530	IHFSFW4400	17,665	IHTSMF400
400	IHKFF4400	14,105	IHKFW4400	17,240	IHC02400
630	IHFSFF4630	26,770	IHFSFW4630	30,300	IHTLM0630
630	IHKFF4630	24,500	IHKFW4630	28,030	IHC03630
800	IHFSFF4800	30,965	IHFSFW4800	34,490	IHTLM0800
800	IHKFF4800	28,480	IHKFW4800	32,005	



Note:-

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

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

* IHKFF4800 & IHKFW4800 available without Fuse Link

Industrial Switchgear

Busbar Chambers

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as per Regular Terms & Conditions



Optima Series

HSN Code: 8536

Current Rating (A)	No. of	Cat. No.	MRP
		Wall Mounted	
63	4 WAY	IHBC006304	5,700
	6 WAY	IHBC006306	6,655
	8 WAY	IHBC006308	7,665
100	4 WAY	IHBC010004	6,855
	6 WAY	IHBC010006	9,480
	8 WAY	IHBC010008	9,965
200	4 WAY	IHBC020004	8,570
	6 WAY	IHBC020006	11,090
	8 WAY	IHBC020008	12,105
250	4 WAY	IHBC025004	14,180
	6 WAY	IHBC025006	22,320
	8 WAY	IHBC025008	27,915
315	4 WAY	IHBC031504	14,820
	6 WAY	IHBC031506	22,960
	8 WAY	IHBC031508	29,345
400	4 WAY	IHBC040004	16,010
	6 WAY	IHBC040006	24,150
	8 WAY	IHBC040008	30,370
630	4 WAY	IHBC063004	24,520
	6 WAY	IHBC063006	32,525
	8 WAY	IHBC063008	39,125
800	4 WAY	IHBC080004	26,075
	6 WAY	IHBC080006	34,760
	8 WAY	IHBC080008	44,005

For higher Ratings please contact nearest branch office.

Bolted Type

HSN Code: 8536

IS Size	Tag Type	BS Type	Rated Voltage (Volts) AC	Breaking Capacity (kA)	Rating (Amps)	Cat No.	LP ₹	STD Packing
F-1	Offset	NS	415	80	2	IHHNS00002	44	20
					4	IHHNS00004		
					6	IHHNS00006		
					10	IHHNS00010		
					16	IHHNS00016		
					20	IHHNS00020	48	20
					25	IHHNS00025		
					32	IHHNS00032		
A-2	Offset	TIA	415	80	6	IHHTIA0006	61	10
					10	IHHTIA0010		
					16	IHHTIA0016		
					20	IHHTIA0020		
					25	IHHTIA0025		
					32	IHHTIA0032		
A-3	Offset	TSS	415	80	36	IHHTSS0036	73	10
					50	IHHTSS0050		
					63	IHHTSS0063		
A-4	Offset	TSD	415	80	80	IHHTSD0080	160	10
					100	IHHTSD0100		
					125	IHHTSD0125		
B-1	Central	TSDC	415	80	80	IHHTSDC080	165	10
					100	IHHTSDC100		
					125	IHHTSDC125		
B-2	Central	TSF	415	80	125	IHHTSF0125	240	10
					160	IHHTSF0160		
					200	IHHTSF0200	265	10
					250	IHHTSF0250		
B-3	Central	TSK	415	80	225	IHHTSK0225	345	3
					250	IHHTSK0250		
					300	IHHTSK0300		
					315	IHHTSK0315		
B - 4	Central	TSMF	415	80	400	IHHTSMF400	660	3
C - 1	Central	TSMS	415	80	400	IHHTSMS400	660	3
C - 2	Central	TTS	415	80	400	IHHTTS0400	750	1
					500	IHHTTS0500		
C - 2	Central	TTM	415	80	400	IHHTTM0400	1,015	1
					500	IHHTTM0500		
C - 2	Central	TLM	415	80	630	IHHTLM0630	1,330	1
C - 2	Central	TLM	415	80	800	IHHTLM0800	1,480	1



Industrial Switchgear
HiBreak HBC Fuse Link
 (Conforms to IS/IEC:60947-2)

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

DIN Type

HSN Code: 8536

IS Size	Rated Voltage (Volts) AC	Breaking Capacity (kA)	Rating (Amps)	Cat No.	LP ₹	STD Packing
000	415	80	6	IHHCD11006	185	3
			10	IHHCD11010		
			16	IHHCD11016		
			20	IHHCD11020		
			25	IHHCD11025		
			32	IHHCD11032		
			40	IHHCD11040	190	3
			50	IHHCD11050		
			63	IHHCD11063		
			80	IHHCD11080		
			100	IHHCD11100		
			6	IHHCD00006	195	3
			10	IHHCD00010		
			16	IHHCD00016		
			20	IHHCD00020		
			25	IHHCD00025		
			32	IHHCD00032		
00	415	80	40	IHHCD00040	205	3
			50	IHHCD00050		
			63	IHHCD00063		
			80	IHHCD00080	220	3
			100	IHHCD00100		
			125	IHHCD00125		
01	415	80	160	IHHCD00160	270	3
			32	IHHCD01032		
			40	IHHCD01040		
			50	IHHCD01050	395	3
			63	IHHCD01063		
			80	IHHCD01080		
			100	IHHCD01100		
			125	IHHCD01125		
			160	IHHCD01160	405	3
			200	IHHCD01200		
			250	IHHCD01250		
02	415	80	200	IHHCD02200	610	1
			250	IHHCD02250		
			315	IHHCD02315		
			350	IHHCD02350	655	1
			400	IHHCD02400		
03	415	80	425	IHHCD03425	925	1
			500	IHHCD03500	945	1
			630	IHHCD03630		



RH Type

HSN Code: **8536**

Rated Voltage (Volts) AC	Breaking Capacity (kA)	Rating (Amps)	Cat No.	LP ₹	STD Packing
415	80	2	IHHRH00002	80	20
		4	IHHRH00004		
		6	IHHRH00006		
		10	IHHRH00010		
		16	IHHRH00016	80	20
		20	IHHRH00020		
		25	IHHRH00025		
		32	IHHRH00032		
		40	IHHRH00040	90	20
		50	IHHRH00050	165	20
		63	IHHRH00063	170	20



DIN Fuse Bases (Fixed Type)

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

HSN Code: **8536**

Rated Amp.	Cat. No.	Type	Fuse Type	LP ₹	STD Packing
100A	IHUC000100	Open Type Fuse Base	CD-00	240	6
125A	IHUC000125	Open Type Fuse Base	CD-00	250	6
160A	IHUC000160	Open Type Fuse Base	CD-00	270	6



i Base - DIN Fuse Bases (Fixed Type)

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

HSN Code: **8536**

Rated Amp.	Cat. No.	Type	Fuse Type	LP ₹	STD Packing
250A	IHIC010250	Open Type Fuse Base	CD-1	475	3
400A	IHIC020400	Open Type Fuse Base	CD-2	735	3
630A	IHIC030630	Open Type Fuse Base	CD-3	945	3





Motor Controlgear



Control Relay with AC Coil

HSN Code: **8536**

Frame size	I _{th}	Contact arrangement		Type	Cat. No	LP ₹
		NO	NC			
1	10A	2	2	CRN1-22*	IHACR22*	840
		3	1	CRN1-31*	IHACR31*	840
		4	0	CRN1-40*	IHACR40*	840

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


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

HSN Code: **8536**

Frame Size	AC-3 Duty Rating at 415V, 50 Hz			AC-1 Duty Rating at 415V, 50 Hz I _{th} Amp.	Power Poles	Auxilliary Contact Arrangement		Type	Cat. No	LP ₹
	I _e Amp.	kW	HP			NO	NC			
1	9	4	5.0	25	3	1	0	CN1 09 T10*	IHPAA009110*	665
	9	4	5.0	25	3	0	1	CN1 09 T01*	IHPAA009101*	665
	12	5.5	7.5	25	3	1	0	CN1 12 T10*	IHPAA012110*	760
	12	5.5	7.5	25	3	0	1	CN1 12 T01*	IHPAA012101*	760
2	18	9	12.5	32	3	1	0	CN2 18 T10*	IHPAA018210*	875
	18	9	12.5	32	3	0	1	CN2 18 T01*	IHPAA018201*	875
3	25	11	15	40	3	1	0	CN3 25 T10*	IHPAA025310*	1,110
	25	11	15	40	3	0	1	CN3 25 T01*	IHPAA025301*	1,110
4	32	15	20	50	3	1	0	CN4 32 T10*	IHPAA032410*	2,380
	32	15	20	50	3	0	1	CN4 32 T01*	IHPAA032401*	2,380
5	40	22	30	60	3	1	1	CN5 40 T11*	IHPAA040511*	3,515
	50	25	35	80	3	1	1	CN5 50 T11*	IHPAA050511*	4,420
	65	37	50	80	3	1	1	CN5 65 T11*	IHPAA065511*	5,680
6	80	45	60	125	3	1	1	CN6 80 T11*	IHPAA080611*	7,180
	95	45	60	125	3	1	1	CN6 95 T11*	IHPAA095611*	8,745

*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. Non standard coil voltages are supplied on request.

AC Coil : Table-1

Code*	A	C	E	G	H	J	K	N	W
AC Voltage	24V	48V	110V	220V	240V	380V	415V	550V	260V-415V



Contactor 3-Pole with AC coil (115A to 630A)

HSN Code: 8536

Frame Size	AC-3 Duty Rating at 415V, 50 Hz			AC-1 Duty Rating at 415V, 50 Hz	Power Poles	Type	Cat. No	LP ₹
	I _e Amp.	kW	HP	I _{th} Amp.				
1	115	59	75	200	3	CH1 115 T*	IHPAA115100*	11,205
	150	80	100	250	3	CH1 150 T*	IHPAA150100*	14,940
2	185	100	125	275	3	CH2 185 T*	IHPAA185200*	18,600
	225	110	150	315	3	CH2 225 T*	IHPAA225200*	20,245
3	265	132	180	350	3	CH3 265 T*	IHPAA265300*	23,300
4	330	180	220	400	3	CH4 330 T*	IHPAA330400*	29,125
5	400	220	270	500	3	CH5 400 T*	IHPAA400500*	34,950
6	500	280	340	700	3	CH6 500 T*	IHPAA500600*	48,535
7	630	375	450	1000	3	CH7 630 T*	IHPAA630700*	71,685



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

HSN Code: 8536

Frame Size	AC-1 Duty Rating at 415V, 50 Hz	Power Poles	Type	Cat. No	LP ₹
	I _{th} Amp.				
1	25	4	CN1 12 F*	IHPAC012100*	975
3	40	4	CN3 25 F*	IHPAC025300*	1,545
5	60	4	CN5 40 F*	IHPAC040500*	3,720
	80	4	CN5 65 F*	IHPAC065500*	5,350
6	125	4	CN6 95 F*	IHPAC095600*	8,100



Contactor 4-Pole with AC coil (115A to 630A)

HSN Code: 8536

Frame Size	AC-1 Duty Rating at 415V, 50 Hz	Power Poles	Type	Cat. No	LP ₹
	I _{th} Amp.				
1	200	4	CH1 115 F*	IHPAC115100*	15,425
	250	4	CH1 150 F*	IHPAC150100*	16,965
2	275	4	CH2 185 F*	IHPAC185200*	25,805
	315	4	CH2 225 F*	IHPAC225200*	27,555
3	350	4	CH3 265 F*	IHPAC265300*	29,395
4	400	4	CH4 330 F*	IHPAC330400*	35,715
5	500	4	CH5 400 F*	IHPAC400500*	44,220
6	700	4	CH6 500 F*	IHPAC500600*	60,925
7	1000	4	CH7 630 F*	IHPAC630700*	91,555



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

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

AC Coil

Code*	A	C	E	G	H	J	K	N
AC Voltage	24V	48V	110V	220V	240V	380V	415V	550V



Add on Accessories: Auxiliary Contact Block

HSN Code: **8538**

Description	Suitable for Mounting on Contactors	Contact Configuration		Type	Cat No.	LP ₹
		NO	NC			
Side Block	CN Frame size 1-6 9A-95A 3P/4P	1	1	CAS11	ISPNASM611	345
		2	0	CAS20	ISPNASM620	345
Front Block	CN/CD Frame size 1-6 9A-95A, 3P/4P & CH Frame Size 1-7 115A-630A, 3P / 4P	1	1	CAF11	ISPNAFM711	225
		2	2	CAF22	ISPNAFM722	345
		3	1	CAF31	ISPNAFM731	345
		4	0	CAF40	ISPNAFM740	345


Add on Accessories: Pneumatic Timer Block

HSN Code: **8538**

ON Delay	Suitable for Mounting on Contactors	Type	Cat No.	LP ₹
0.1 -3s	CN/CD/CH 9A-630A	CPT1A	IHNN4000	1,225
0.1-30s		CPT1B	IHNN5000	1,225
10-180s		CPT1C	IHNN6000	1,225


Add on Accessories: Pneumatic Timer Block

HSN Code: **8538**

OFF Delay	Suitable for Mounting on Contactors	Type	Cat No.	LP ₹
0.1 -3s	CN/CD/CH 9A-630A	CPT2A	IHNF4000	1,225
0.1-30s		CPT2B	IHNF5000	1,225
10-180s		CPT2C	IHNF6000	1,225


Capacitor Duty Contactor 3-Pole with AC Coil

HSN Code: **8536**

KVAR Rating at 50/60Hz 0 ≤ 55° C	Inst. Aux. Contact		Type	Cat. No.	LP ₹
	NO	NC			
415/440V					
12	1	0	CC2 1210*	IHPAE012210*	1,950
18	1	0	CC3 1810*	IHPAE018310*	2,750
20	1	0	CC4 2010*	IHPAE020410*	3,040
30	1	1	CC5 3011*	IHPAE030511*	5,480
50	1	1	CC6 5011*	IHPAE050611*	9,985



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

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

AC Coils

Code*	A	C	E	G	H	J	K	N
AC Voltage	24V	48V	110V	220V	240V	380V	415V	550V



Thermal Over Load Relay (Auto/ Manual Reset)

HSN Code: **8536**

Relay Frame size	Relay Range (A)	Suitable for Contactor Frame size	Type	Cat. No.	LP ₹	Individual Mounting Block
1	0.1-0.16	CN1 to CN4	RT21A	IHNR 11AA	865	 Type RTA2-25 Cat No. ISSTRX024025 Unit LP ₹ 180
	0.16-0.25		RT21B	IHNR 11AB	865	
	0.25-0.4		RT21C	IHNR 11AC	865	
	0.4-0.63		RT21D	IHNR 11AD	865	
	0.63 -1		RT21E	IHNR 11AE	865	
	1-1.6		RT21F	IHNR 11AF	865	
	1.6-2.5		RT21G	IHNR 11AG	865	
	2.5-4		RT21H	IHNR 11AH	865	
	4-6		RT21J	IHNR 11AJ	865	
	5.5-8		RT21K	IHNR 11AK	865	
	7-10		RT21L	IHNR 11AL	865	
	9-13		RT21M	IHNR 11AM	865	
	12-18		RT21N	IHNR 11AN	1,030	
	17-25		RT21P	IHNR 11AP	1,030	
2	23-32	CN4	RT22Q	IHNR22AQ	1,495	 Type RTA2-36 Cat No. ISSTRX024136 Unit LP ₹ 260
	28-36		RT22R	IHNR22AR	1,515	
3	23-32	CN5 to CN6	RT23T	IHNR33AT	1,680	 Type RTA2-93 Cat No. ISSTRX024293 Unit LP ₹ 1020
	30-40		RT23U	IHNR33AU	1,680	
	37-50		RT23V	IHNR33AV	2,045	
	48-65		RT23W	IHNR33AW	2,690	
	55-70		RT23X	IHNR33AX	2,690	
	63-80		RT23Y	IHNR33AY	2,860	
	80-93		RT23Z	IHNR33AZ	2,940	



Thermal Over Load Relay (Manual Reset)

HSN Code: **8536**

Relay Frame size	Relay Range (A)	Suitable for Contactor Frame size	Type	Cat. No.	LP ₹	Individual Mounting Block
1	0.1- 0.16	CN 1 to CN 4	RT11A	IHNR11MA	820	 Type RTA1-25 Cat No. ISSTRX024325 Unit LP ₹ 160
	0.16-0.25		RT11B	IHNR11MB	820	
	0.25-0.4		RT11C	IHNR11MC	820	
	0.4-0.63		RT11D	IHNR11MD	820	
	0.63-1		RT11E	IHNR11ME	820	
	1-1.6		RT11F	IHNR11MF	820	
	1.6-2.5		RT11G	IHNR11MG	820	
	2.5-4		RT11H	IHNR11MH	820	
	4-6		RT11J	IHNR11MJ	820	
	5.5-8		RT11K	IHNR11MK	820	
	7-10		RT11L	IHNR11ML	820	
	10-13		RT11M	IHNR11MM	820	
	13-18		RT11N	IHNR11MN	950	
	18-25		RT11P	IHNR11MP	950	
2	23-32	CN 5 to CN 6	RT12Q	IHNR22MQ	1,410	 Type RTA1-80 Cat No. ISSTRX024480 Unit LP ₹ 300
	30-40		RT12R	IHNR22MR	1,410	
3	38-50	CN 5 to CN 6	RT13V	IHNR33MV	1,695	
	48-57		RT13W	IHNR33MW	2,300	
	57-66		RT13X	IHNR33MX	2,670	
	63-80		RT13Y	IHNR33MY	2,920	



Cosmic Star - Direct Online Starter

HSN Code: **8536**

H.P.	kW	Contactor Rating	Overload Relay Range (Amp.)	Cat. No.	LP ₹
0.75	0.6	12	1-1.6	IHPDOLFA*A	1,930
1	0.7	12	1.6-2.5	IHPDOLGA*B	1,930
2	1.5	12	2.5-4	IHPDOLHA*C	1,930
3	2.2	12	4-6	IHPDOLJA*D	1,930
5	3.7	12	7-10	IHPDOLLA*E	2,195
7.5	5.6	18	10-13	IHPDOLMB*F	2,280
10	7.5	18	13-18	IHPDOLNB*G	2,280
15	11.2	32	18-25	IHPDOLPD*H	3,165
20	14.9	32	23-32	IHPDOLQD*J	5,975
25	18.7	40	30-40	IHPDOLVE*	7,690
30	22.4	50	38-50	IHPDOLWE*	8,825
40	29.8	65	57-66	IHPDOLYF*	10,115
50	37.3	80	63-80	IHPDOLZF*	12,870
60	44.8	95	80-93	IHPDOLDG*	13,330
75	56.0	115	90-150	IHPDOLDG*A	19,305
85	63.4	150	90-150	IHPDOLDG*B	21,880
100	74.6	150	132-220	IHPDOLEH*	23,985


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

HSN Code: **8536**

H.P.	kW	Contactor Size	Overload Relay Range (Amp.)	Cat. No.	LP ₹
10	7.5	18	9.0-13	IHPASDMB*	6,685
12.5	9.3	18	12.0-18	IHPASDNB*	6,780
15	11.2	25	12.0-18	IHPASDNC*	7,060
20	14.9	25	17-25	IHPASDPD*	8,315
25	18.7	32	17-25	IHPASDQD*	9,040
30	22.4	32	23-32	IHPASDQD*A	10,090
35	26.1	32	28-36	IHPASDUE*	13,825
50	37.3	50	37-50	IHPASDWE*	24,510
60	44.8	50	48-65	IHPASDWF*	27,030
75	56.0	65	55-70	IHPASDYF*	32,555
90	67.1	80	63-80	IHPASDCG*	38,610
100	74.6	95	80-93	IHPASDDG*	47,915
125	93.3	115	90-150	IHPASDDG*A	66,165
150	111.9	150	90-150	IHPASDEH*	67,000



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

AC Coils						
Code*	G	H	J	K	L	W
AC Voltage	220V	240V	380V	415V	200-400V	260-415V

Industrial Switchgear

Submersible Motor Starters

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

Cosmic Star - Reversing Starter

HSN Code: **8536**

H.P.	kW	Contactor Size	Overload Relay Range (Amp.)	Cat. No.	LP ₹
2	1.5	18	2.5-4	IHPREVHB*	6,690
3	2.2	18	4.0-6.0	IHPREVJB*	6,690
5	3.7	18	7.0-10	IHPREVLB*	6,690
7.5	5.6	18	10.0-13	IHPREVMB*	6,690
10	7.5	18	13-18	IHPREVNb*	7,980
15	11.2	32	18-25	IHPREVPD*	9,170
20	14.9	32	28-36	IHPREVRD*	10,495



AC Coils						
Code*	G	H	J	K	L	W
AC Voltage	220V	240V	380V	415V	200-400V	260-415V

Cosmic Star - Direct On Line Submersible Pump Starter

HSN Code: **8536**

H.P.	kW	Contactor Size	Overload Relay Range (Amp.)	Cat. No.	LP ₹
1	0.75	18	1.6-2.5	IHSDOAGB*A	6,210
2	1.5	18	2.5-4	IHSDOAHB*A	6,210
3	2.2	18	5.5-8	IHSDOAKB*A	6,210
5	3.7	18	9-13	IHSDOAMB*A	6,210
7.5	5.5	18	12-18	IHSDOANB*A	6,505
10	7.5	25	17-25	IHSDOAPC*A	6,740
12.5	9.3	32	17-25	IHSDOAPD*A	6,840
15	11	32	23-32	IHSDOAQD*A	7,570



- Wide band coils are offered with 200-400V (L) and 260-415V (W). (Refer below coil voltage table)

Cosmic Star

Standard Automatic Star Delta Submersible Pump Starter

HSN Code: **8536**

H.P.	kW	Contactor Size	Overload Relay Range (Amp.)	Cat. No.	LP ₹
5	3.7	18	5.5-8	IHSASAK2*E	12,205
7.5	5.5	18	7-10	IHSASAL2*E	12,205
10	7.5	18	9-13	IHSASAM2*E	12,430
12.5	9.3	18	12-18	IHSASAN2*E	12,740
15	11	25	17-25	IHSASAP3*E	12,945
17.5	13.1	32	17-25	IHSASAP4*E	13,280
20	15	32	17-25	IHSASAP4*A	13,765
22.5	16.8	32	23-32	IHSASAQ4*E	17,400
25	19	32	23-32	IHSASAQ4*A	17,400
27.5	20.5	40	30-40	IHSASAU5*E	21,950
30	22.4	50	30-40	IHSASAU5*A	22,505
35	26.1	50	37-50	IHSASAV5*E	22,810
40	29.8	65	37-50	IHSASAV5*A	25,430
45	33.6	80	48-65	IHSASAW6*E	32,145
50	37.5	95	55-70	IHSASA1F*T	41,815



- 200-400V coil voltage is available only upto 25HP
- Wide band coils are offered with 200-400V (L) and 260-415V (W). (Refer below coil voltage table)

AC Coils		
Code*	L	W
AC Voltage	200-400V	260-415V

Cosmic Star
Deluxe Automatic Star Delta Submersible Pump Starter

HSN Code: **8536**

H.P.	kW	Contactor Size	Overload Relay Range (Amp.)	Cat. No.	LP ₹
5	3.7	18	5.5-8	IHDASAK2*E	12,275
7.5	5.5	18	7-10	IHDASAL2*E	12,275
10	7.5	18	9-13	IHDASAM2*E	12,605
12.5	9.3	18	12-18	IHDASAN2*E	12,920
15	11	25	17-25	IHDASAP3*E	13,630
17.5	13.1	32	17-25	IHDASAP4*E	13,980
20	15	32	17-25	IHDASAP4*A	14,410
22.5	16.8	32	23-32	IHDASAQ4*E	15,480
25	19	32	23-32	IHDASAQ4*A	15,480
27.5	20.5	40	30-40	IHDASAU5*E	23,165
30	22.4	50	30-40	IHDASAU5*A	24,745
35	26.1	50	37-50	IHDASAV5*E	25,065
40	29.8	65	37-50	IHDASAV5*A	27,800
45	33.6	80	48-65	IHDASAW6*E	34,815
50	37.5	95	55-70	IHDASA1F*T	44,890

- 200-400V coil voltage is available only upto 25HP
- Wide band coils are offered with 200-400V (L) and 260-415V (W). (Refer below coil voltage table)

AC Coils		
Code*	L	W
AC Voltage	200-400V	260-415V

Street Light Panel

HSN Code: **8537**

Phase	Frame Size	Max. Load (kW)	Timer	Contactor Rating (A)	MCB Rating	SAP Code	LP ₹
3	1	6	Digital 24 Hr.	32 / TP	40 / TPN	IHXTS03060	18,110
	1	6	Astronomical	32 / TP	40 / TPN	IHXTS0306A	18,110
	2	12	Digital 24 Hr.	65 / TP	63 / TPN	IHXTS09120	26,340
	2	12	Astronomical	65 / TP	63 / TPN	IHXTS0912A	26,340
1	1	6	Digital 24 Hr.	32 / TP	40 / SPN	IHXSS01060	13,580
	1	6	Astronomical	32 / TP	40 / SPN	IHXSS0106A	13,580
	1	12	Digital 24 Hr.	65 / TP	63 / SPN	IHXSS03120	20,410
	1	12	Astronomical	65 / TP	63 / SPN	IHXSS0312A	20,410





General Purpose

Switchgear



Onload Changeover Switch - AC 23 (side handle)

in sheet enclosure, 415V AC, 50 Hz.

HSN Code: 8536

Rating Amp.	Cat. No.	LP ₹
	Double Pole	
32	IHBFE0032 (240V)	1,640
63	IHBFE0063 (240V)	3,170
	Triple Pole	
32	IHBFE0032	2,440
63	IHBFE0063	4,785
100	IHBFE0100	9,060
	Four Pole	
16	IHBFE0016	2,440
32	IHBFE0032	2,930
63	IHBFE0063	5,890
100	IHBFE0100	11,775



Offload Changeover Switch- AC 21 (side handle)

in sheet enclosure, 415V AC, 50 Hz.

HSN Code: 8536

Rating Amp.	Cat. No.	LP ₹
	Four Pole	
200	IHBFE0200	17,725
320	IHBFE0320	21,755
400	IHBFE0400	28,425
630	IHBFE0630	44,440
800	IHBFE0800	55,410
1000	IHBFE1000	77,260
1250	IHBFE1250	1,65,955
1500	IHBFE1500	1,91,515
2000	IHBFE2000	2,69,720

Kit-kat Rewireable (Porcelain Fuse carrier & Base)

Specification: IS: 2086

HSN Code: 8536

Amps/ Volt	Cat. No.	LP ₹	STD. Packing
16/240	IHKRN2016	105	20
16/415	IHKRN4016	180	24
32/240	IHKRN2032	180	24
32/415	IHKRN4032	225	12
63/415 *	IHKRN4063	360	12
63/415 #	IHKDN4063	400	6
100/415 *	IHKRN4100	650	6
100/415 #	IHKDN4100	750	1
200/415 *	IHKRN4200	1,300	1
200/415 **	IHKRT4200	1,495	1
320/415 *	IHKRN4320	1,900	1
320/415**	IHKRT4320	2,240	1

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



Industrial Switchgear

General Purpose Switch Fuse Units / Fuse Switches

(Conforms to IS/IEC:60947-2)

HAVELLS

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

Single Pole & Neutral / Double Pole

HSN Code: **8537**

Amp. / Volt AC	Cat. No.	LP ₹
	Single Pole & Neutral	
16/240	IHBRSE2016	550
32/240	IHBRSE2032	1,360
32/415	IHBRSE4032	1,920
63/415	IHBRSE4063	3,305
	Double Pole	
16/240	IHBRDE2016	580
32/240	IHBRDE2032	1,375
32/415	IHBRDE4032	2,160
63/415	IHBRDE4063	3,805



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

HSN Code: **8537**

Rating Amp.	Cat. No.	LP ₹	Cat. No.	LP ₹	Suitable Fuse Type
	With Rewireable Porcelain Fuse Units		With HBC cum rewireable Porcelain Fuse Units (W/O Fuse link)		
16	IHBRT4016	1,695	IHBHTE4016	1,695	IHHNS0016
32	IHBRT4032	2,190	IHBHTE4032	2,190	IHHTIA0032
63	IHBRT4063	4,420	IHBHTE4063	4,790	IHHTSS0063
100	IHBRT4100	8,240	IHBHTE4100	8,785	IHHTSD0100
200	IHBRT4200	13,580	—	—	—
320	IHBRT4320	16,795	—	—	—

Heavy Duty Double Break Fuse Switches - HBC Fuse type

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

In sheet enclosure, 415V AC, 50 Hz.

HSN Code: **8537**

Rating Amp.	Cat. No.	LP ₹	Cat. No.	LP ₹	Fuse Type
	Triple Pole & Neutral		Four Pole with Switched Neutral		
63	IHFNTW4063	6,980	IHFNFW4063	8,530	IHHTSS0063
100	IHFNTW4100	9,440	IHFNFW4100	11,925	IHHTSD0100
160	IHFNTW4160	14,255	IHFNFW4160	16,910	IHHTSD0160
200	IHFNTW4200	16,085	IHFNFW4200	17,790	IHHTSF0200
320	IHFNTW4320	18,120	IHFNFW4320	22,650	IHHTSK0315
400	IHFNTW4400	26,000	IHFNFW4400	35,305	IHHTSMF400
500	IHFNTW4500	36,740	—	—	IHHTTM0500
800*	IHFNTW4800	45,815	—	—	IHHTLM0630



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

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

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



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