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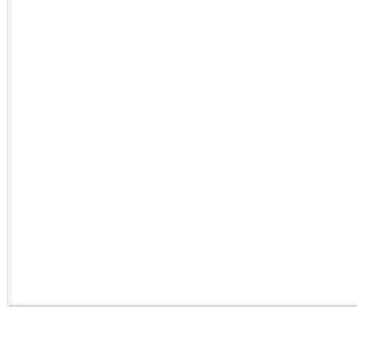
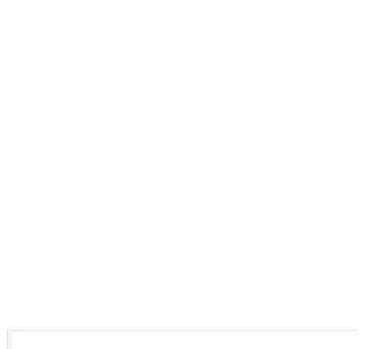
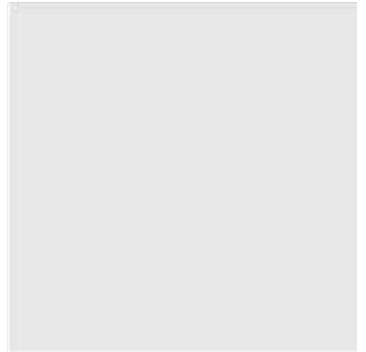
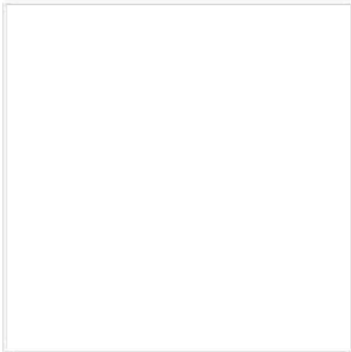
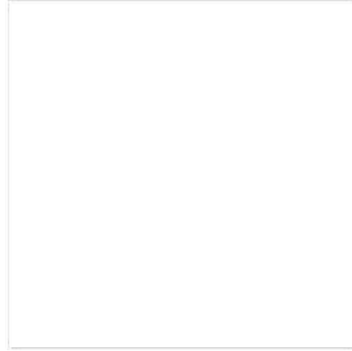
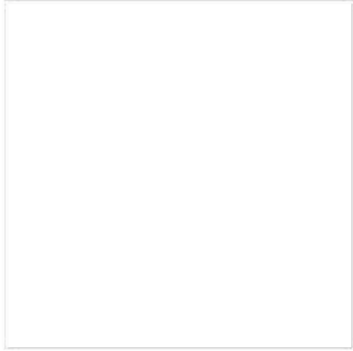
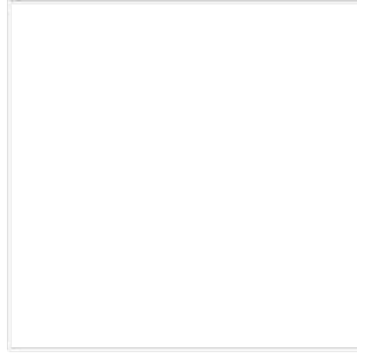
Industrial Circuit Protection



LIST PRICE : w.e.f. 1st August, 2019

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

Q&Q
GROUP



Industrial Product

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Warranty Policy:

All the products listed in the price list carry a warranty, against manufacturing defects for a period of 18* months from the date of purchase / 12 months from the date of commissioning, whichever is earlier.

*Proof of purchase to be retained to avail warranty.

Terms & Conditions

- Prices are in Indian ₹.
- 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.

Actual products may vary in colour, design, description and colour combination etc. Although every effort has been made to ensure accuracy in the compilation of the technical detail within this publication. Specifications & performance data are constantly changing.



Industrial Switchgear





ACB with Microprocessor Release IPR E+ (3 Pole)

HSN Code: 8536

Current Rating (A)	Breaking Capacity 415 V (kA)	Ordering Code		List Price in ₹ Per Unit		Ordering Code		List Price in ₹ Per Unit	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	50	IHATE1E060**#	IHATE2E060**#	63200.00	85285.00	IHATE4E06\$***	IHATE5E06\$***	79600.00	123095.00
800	50	IHATE1E080**#	IHATE2E080**#	65310.00	88135.00	IHATE4E08\$***	IHATE5E08\$***	89940.00	124090.00
1000	50	IHATE1E100**#	IHATE2E100**#	70575.00	96285.00	IHATE4E10\$***	IHATE5E10\$***	94615.00	130120.00
1250	50	IHATE1E120**#	IHATE2E120**#	84300.00	122205.00	IHATE4E12\$***	IHATE5E12\$***	120600.00	152155.00
1600	50	IHATE1E160**#	IHATE2E160**#	91215.00	132620.00	IHATE4E16\$***	IHATE5E16\$***	131580.00	168120.00
2000	50	IHATE1E200**#	IHATE2E200**#	105300.00	158170.00	IHATE4E20\$***	IHATE5E20\$***	147530.00	190220.00
2500	75	IHATH1E250**#	IHATH2E250**#	124890.00	193520.00	IHATH4E25\$***	IHATH5E25\$***	168480.00	226480.00
3200	100	IHATV1E320**#	IHATV2E320**#	POR	POR	IHATV4E32\$***	IHATV5E32\$***	POR	POR
4000	100	IHATV1E400**#	IHATV2E400**#	POR	POR	IHATV4E40\$***	IHATV5E40\$***	POR	POR

ACB with Microprocessor Release IPR E+ (4 Pole)

HSN Code: 8536

Current Rating (A)	Breaking Capacity 415 V (kA)	Ordering Code		List Price in ₹ Per Unit		Ordering Code		List Price in ₹ Per Unit	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	50	IHAFF1E060**#	IHAFF2E060**#	70620.00	114835.00	IHAFF4E06\$***	IHAFF5E06\$***	106535.00	153045.00
800	50	IHAFF1E080**#	IHAFF2E080**#	74835.00	117890.00	IHAFF4E08\$***	IHAFF5E08\$***	112730.00	155105.00
1000	50	IHAFF1E100**#	IHAFF2E100**#	85265.00	124955.00	IHAFF4E10\$***	IHAFF5E10\$***	117365.00	163875.00
1250	50	IHAFF1E120**#	IHAFF2E120**#	111190.00	155250.00	IHAFF4E12\$***	IHAFF5E12\$***	147240.00	189735.00
1600	50	IHAFF1E160**#	IHAFF2E160**#	118680.00	176470.00	IHAFF4E16\$***	IHAFF5E16\$***	158185.00	209880.00
2000	50	IHAFF1E200**#	IHAFF2E200**#	143470.00	209905.00	IHAFF4E20\$***	IHAFF5E20\$***	184410.00	246035.00
2500	75	IHAFFH1E250**#	IHAFFH2E250**#	169150.00	257325.00	IHAFFH4E25\$***	IHAFFH5E25\$***	207525.00	290330.00
3200***	100	IHAFFV1E320**#	IHAFFV2E320**#	POR	POR	IHAFFV4E32\$***	IHAFFV5E32\$***	POR	POR
4000***	100	IHAFFV1E400**#	IHAFFV2E400**#	POR	POR	IHAFFV4E40\$***	IHAFFV5E40\$***	POR	POR

ACB with Microprocessor Release IPR 1+ (3 Pole)

HSN Code: 8536

Current Rating (A)	Breaking Capacity 415 V (kA)	Ordering Code		List Price in ₹ Per Unit		Ordering Code		List Price in ₹ Per Unit	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	50	IHATE11060**#	IHATE21060**#	68350.00	95265.00	IHATE4106\$***	IHATE5106\$***	86225.00	134085.00
800	50	IHATE11080**#	IHATE21080**#	70510.00	98415.00	IHATE4108\$***	IHATE5108\$***	96870.00	135200.00
1000	50	IHATE11100**#	IHATE21100**#	75875.00	106510.00	IHATE4110\$***	IHATE5110\$***	104255.00	141245.00
1250	50	IHATE11120**#	IHATE21120**#	93645.00	132620.00	IHATE4112\$***	IHATE5112\$***	130050.00	163940.00
1600	50	IHATE11160**#	IHATE21160**#	96895.00	139885.00	IHATE4116\$***	IHATE5116\$***	138630.00	175380.00
2000	50	IHATE11200**#	IHATE21200**#	112875.00	165400.00	IHATE4120\$***	IHATE5120\$***	155175.00	201635.00
2500	75	IHATH11250**#	IHATH21250**#	132630.00	201010.00	IHATH4125\$***	IHATH5125\$***	176285.00	233925.00
3200	100	IHATV11320**#	IHATV21320**#	POR	POR	IHATV4132\$***	IHATV5132\$***	POR	POR
4000	100	IHATV11400**#	IHATV21400**#	POR	POR	IHATV4140\$***	IHATV5140\$***	POR	POR

ACB with Microprocessor Release IPR 1+ (4 Pole)

HSN Code: 8536

Current Rating (A)	Breaking Capacity 415 V (kA)	Ordering Code		List Price in ₹ Per Unit		Ordering Code		List Price in ₹ Per Unit	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	50	IHAFF11060**#	IHAFF21060**#	80215.00	125575.00	IHAFF4106\$***	IHAFF5106\$***	117025.00	164995.00
800	50	IHAFF11080**#	IHAFF21080**#	84035.00	128820.00	IHAFF4108\$***	IHAFF5108\$***	123405.00	167125.00
1000	50	IHAFF11100**#	IHAFF21100**#	92195.00	136030.00	IHAFF4110\$***	IHAFF5110\$***	128785.00	176075.00
1250	50	IHAFF11120**#	IHAFF21120**#	120810.00	167025.00	IHAFF4112\$***	IHAFF5112\$***	159000.00	202520.00
1600	50	IHAFF11160**#	IHAFF21160**#	125570.00	183730.00	IHAFF4116\$***	IHAFF5116\$***	164420.00	217130.00
2000	50	IHAFF11200**#	IHAFF21200**#	150940.00	217090.00	IHAFF4120\$***	IHAFF5120\$***	192050.00	253320.00
2500	75	IHAFFH11250**#	IHAFFH21250**#	176835.00	264810.00	IHAFFH4125\$***	IHAFFH5125\$***	215390.00	297730.00
3200***	100	IHAFFV11320**#	IHAFFV21320**#	POR	POR	IHAFFV4132\$***	IHAFFV5132\$***	POR	POR
4000***	100	IHAFFV11400**#	IHAFFV21400**#	POR	POR	IHAFFV4140\$***	IHAFFV5140\$***	POR	POR

\$ 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 630 A to 4000 A (IPR 3)

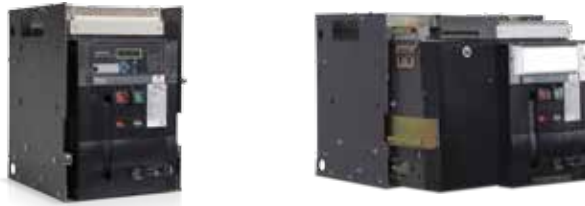
Industrial Switchgear

Titania Air Circuit Breaker

(Conforms to IS/IEC:60947-2)

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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 415 V (kA)	Ordering Code		List Price in ₹ Per Unit		Ordering Code		List Price in ₹ Per Unit	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	50	IHATE12060**#	IHATE22060**#	71320.00	100460.00	IHATE4206\$**#	IHATE5206\$**#	95630.00	137500.00
800	50	IHATE12080**#	IHATE22080**#	76600.00	104455.00	IHATE4208\$**#	IHATE5208\$**#	106370.00	139135.00
1000	50	IHATE12100**#	IHATE22100**#	79835.00	112785.00	IHATE4210\$**#	IHATE5210\$**#	111175.00	145820.00
1250	50	IHATE12120**#	IHATE22120**#	100465.00	138295.00	IHATE4212\$**#	IHATE5212\$**#	138290.00	167590.00
1600	50	IHATE12160**#	IHATE22160**#	104765.00	143310.00	IHATE4216\$**#	IHATE5216\$**#	145835.00	178135.00
2000	50	IHATE12200**#	IHATE22200**#	119310.00	169055.00	IHATE4220\$**#	IHATE5220\$**#	162055.00	202440.00
2500	75	IHATH12250**#	IHATH22250**#	139510.00	202910.00	IHATH4225\$**#	IHATH5225\$**#	180740.00	236130.00
3200	100	IHATV12320**#	IHATV22320**#	POR	POR	IHATV4232\$**#	IHATV5232\$**#	POR	POR
4000	100	IHATV12400**#	IHATV22400**#	POR	POR	IHATV4240\$**#	IHATV5240\$**#	POR	POR

ACB with Microprocessor Release IPR 2 (4 Pole)

HSN Code: 8536

Current Rating (A)	Breaking Capacity 415 V (kA)	Ordering Code		List Price in ₹ Per Unit		Ordering Code		List Price in ₹ Per Unit	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	50	IHAFE12060**#	IHAFE22060**#	84085.00	132180.00	IHAFE4206\$**#	IHAFE5206\$**#	121605.00	168705.00
800	50	IHAFE12080**#	IHAFE22080**#	88345.00	135355.00	IHAFE4208\$**#	IHAFE5208\$**#	128055.00	170035.00
1000	50	IHAFE12100**#	IHAFE22100**#	98980.00	142575.00	IHAFE4210\$**#	IHAFE5210\$**#	134800.00	178245.00
1250	50	IHAFE12120**#	IHAFE22120**#	128395.00	173920.00	IHAFE4212\$**#	IHAFE5212\$**#	164325.00	204430.00
1600	50	IHAFE12160**#	IHAFE22160**#	132690.00	189675.00	IHAFE4216\$**#	IHAFE5216\$**#	172690.00	219180.00
2000	50	IHAFE12200**#	IHAFE22200**#	157845.00	226495.00	IHAFE4220\$**#	IHAFE5220\$**#	199285.00	256705.00
2500	75	IHAFH12250**#	IHAFH22250**#	184665.00	267315.00	IHAFH4225\$**#	IHAFH5225\$**#	222995.00	301660.00
3200***	100	IHAFV12320**#	IHAFV22320**#	POR	POR	IHAFV4232\$**#	IHAFV5232\$**#	POR	POR
4000***	100	IHAFV12400**#	IHAFV22400**#	POR	POR	IHAFV4240\$**#	IHAFV5240\$**#	POR	POR

ACB without Release (3 Pole)

HSN Code: 8536

Current Rating (A)	Breaking Capacity 415 V (kA)	Ordering Code		List Price in ₹ Per Unit		Ordering Code		List Price in ₹ Per Unit	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	50	IHATE10060***	IHATE20060**#	51200.00	73960.00	IHATE4006\$***	IHATE5006\$***	69310.00	109615.00
800	50	IHATE10080***	IHATE20080**#	53250.00	77800.00	IHATE4008\$***	IHATE5008\$***	79650.00	111190.00
1000	50	IHATE10100***	IHATE20100**#	56370.00	86035.00	IHATE4010\$***	IHATE5010\$***	84280.00	117835.00
1250	50	IHATE10120***	IHATE20120**#	73960.00	110810.00	IHATE4012\$***	IHATE5012\$***	110155.00	139015.00
1600	50	IHATE10160***	IHATE20160**#	80370.00	119000.00	IHATE4016\$***	IHATE5016\$***	120835.00	153500.00
2000	50	IHATE10200***	IHATE20200**#	94560.00	144725.00	IHATE4020\$***	IHATE5020\$***	136680.00	177810.00
2500	75	IHATH10250***	IHATH20250**#	113885.00	177620.00	IHATH4025\$***	IHATH5025\$***	154500.00	207905.00
3200	100	IHATV10320***	IHATV20320**#	POR	POR	IHATV4032\$***	IHATV5032\$***	POR	POR
4000	100	IHATV10400***	IHATV20400**#	POR	POR	IHATV4040\$***	IHATV5040\$***	POR	POR

ACB without Release (4 Pole)

HSN Code: 8536

Current Rating (A)	Breaking Capacity 415 V (kA)	Ordering Code		List Price in ₹ Per Unit		Ordering Code		List Price in ₹ Per Unit	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	50	IHAFE10060***	IHAFE20060**#	61445.00	100845.00	IHAFE4006\$***	IHAFE5006\$***	94315.00	139645.00
800	50	IHAFE10080***	IHAFE20080**#	64565.00	104495.00	IHAFE4008\$***	IHAFE5008\$***	100520.00	140925.00
1000	50	IHAFE10100***	IHAFE20100**#	72755.00	113735.00	IHAFE4010\$***	IHAFE5010\$***	107025.00	149050.00
1250	50	IHAFE10120***	IHAFE20120**#	100845.00	143075.00	IHAFE4012\$***	IHAFE5012\$***	135210.00	174475.00
1600	50	IHAFE10160***	IHAFE20160**#	108040.00	162850.00	IHAFE4016\$***	IHAFE5016\$***	147435.00	194160.00
2000	50	IHAFE10200***	IHAFE20200**#	132730.00	193370.00	IHAFE4020\$***	IHAFE5020\$***	173555.00	229985.00
2500	75	IHAFH10250***	IHAFH20250**#	155470.00	238180.00	IHAFH4025\$***	IHAFH5025\$***	193075.00	269580.00
3200***	100	IHAFV10320***	IHAFV20320**#	POR	POR	IHAFV4032\$***	IHAFV5032\$***	POR	POR
4000***	100	IHAFV10400***	IHAFV20400**#	POR	POR	IHAFV4040\$***	IHAFV5040\$***	POR	POR

\$ 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 630 A to 4000 A (IPR 3)



ACB with Microprocessor Release IPR 1+ (3 Pole)

HSN Code: 8536

Current Rating (A)	Breaking Capacity 415 V (kA)	Ordering Code		List Price in ₹ Per Unit		Ordering Code		List Price in ₹ Per Unit	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	65	IHATS11060**#	IHATS21060**#	86735.00	119805.00	IHATS4106\$**#	IHATS5106\$***#	114925.00	157295.00
800	65	IHATS11080**#	IHATS21080**#	89490.00	123835.00	IHATS4108\$**#	IHATS5108\$***#	125755.00	158840.00
1000	65	IHATS11100**#	IHATS21100**#	93995.00	132175.00	IHATS4110\$**#	IHATS5110\$***#	130615.00	165410.00
1250	65	IHATS11120**#	IHATS21120**#	119810.00	157645.00	IHATS4112\$**#	IHATS5112\$***#	158175.00	187230.00
1600	65	IHATS11160**#	IHATS21160**#	124145.00	162810.00	IHATS4116\$**#	IHATS5116\$***#	165885.00	197860.00
2000	65	IHATS11200**#	IHATS21200**#	139115.00	188620.00	IHATS4120\$**#	IHATS5120\$***#	182440.00	222325.00

ACB with Microprocessor Release IPR 1+ (4 Pole)

HSN Code: 8536

Current Rating (A)	Breaking Capacity 415 V (kA)	Ordering Code		List Price in ₹ Per Unit		Ordering Code		List Price in ₹ Per Unit	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	65	IHAFS11060**#	IHAFS21060**#	103090.00	148000.00	IHAFS4106\$**#	IHAFS5106\$***#	141150.00	188700.00
800	65	IHAFS11080**#	IHAFS21080**#	107385.00	151820.00	IHAFS4108\$**#	IHAFS5108\$***#	147650.00	190145.00
1000	65	IHAFS11100**#	IHAFS21100**#	115475.00	161120.00	IHAFS4110\$**#	IHAFS5110\$***#	154465.00	198155.00
1250	65	IHAFS11120**#	IHAFS21120**#	148000.00	191480.00	IHAFS4112\$**#	IHAFS5112\$***#	184440.00	224505.00
1600	65	IHAFS11160**#	IHAFS21160**#	152335.00	207495.00	IHAFS4116\$**#	IHAFS5116\$***#	192885.00	239400.00
2000	65	IHAFS11200**#	IHAFS21200**#	177910.00	238080.00	IHAFS4120\$**#	IHAFS5120\$***#	220025.00	275505.00

ACB with Microprocessor Release IPR 2 (3 Pole)

HSN Code: 8536

Current Rating (A)	Breaking Capacity 415 V (kA)	Ordering Code		List Price in ₹ Per Unit		Ordering Code		List Price in ₹ Per Unit	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	65	IHATS12060**#	IHATS22060**#	96225.00	128475.00	IHATS4206\$**#	IHATS5206\$***#	123595.00	165975.00
800	65	IHATS12080**#	IHATS22080**#	99005.00	132510.00	IHATS4208\$**#	IHATS5208\$***#	134435.00	167525.00
1000	65	IHATS12100**#	IHATS22100**#	103555.00	140760.00	IHATS4210\$**#	IHATS5210\$***#	139280.00	174010.00
1250	65	IHATS12120**#	IHATS22120**#	129695.00	166150.00	IHATS4212\$**#	IHATS5212\$***#	166920.00	195745.00
1600	65	IHATS12160**#	IHATS22160**#	134070.00	171320.00	IHATS4216\$**#	IHATS5216\$***#	174640.00	206375.00
2000	65	IHATS12200**#	IHATS22200**#	149275.00	197050.00	IHATS4220\$**#	IHATS5220\$***#	191290.00	230755.00

\$ 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 630 A to 2000 A (65 kA) (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 415 V (kA)	Ordering Code		List Price in ₹ Per Unit		Ordering Code		List Price in ₹ Per Unit	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	65	IHAFS12060**#	IHAFS22060**#	112740.00	158150.00	IHAFS4206\$**#	IHAFS5206\$**#	151230.00	199235.00
800	65	IHAFS12080**#	IHAFS22080**#	117080.00	162015.00	IHAFS4208\$**#	IHAFS5208\$**#	157800.00	200690.00
1000	65	IHAFS12100**#	IHAFS22100**#	125235.00	171310.00	IHAFS4210\$**#	IHAFS5210\$**#	164675.00	208685.00
1250	65	IHAFS12120**#	IHAFS22120**#	158150.00	201875.00	IHAFS4212\$**#	IHAFS5212\$**#	195025.00	235220.00
1600	65	IHAFS12160**#	IHAFS22160**#	162540.00	218040.00	IHAFS4216\$**#	IHAFS5216\$**#	203545.00	250245.00
2000	65	IHAFS12200**#	IHAFS22200**#	188425.00	248835.00	IHAFS4220\$**#	IHAFS5220\$**#	231030.00	286615.00

ACB Without Release (3 Pole)

HSN Code: 8536

Current Rating (A)	Breaking Capacity 415 V (kA)	Ordering Code		List Price in ₹ Per Unit		Ordering Code		List Price in ₹ Per Unit	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	65	IHATS10060**#	IHATS20060**#	72375.00	105610.00	IHATS4006\$**#	IHATS5006\$**#	100680.00	143455.00
800	65	IHATS10080**#	IHATS20080**#	75155.00	109670.00	IHATS4008\$**#	IHATS5008\$**#	111620.00	145015.00
1000	65	IHATS10100**#	IHATS20100**#	79700.00	118235.00	IHATS4010\$**#	IHATS5010\$**#	116530.00	151790.00
1250	65	IHATS10120**#	IHATS20120**#	105615.00	144100.00	IHATS4012\$**#	IHATS5012\$**#	144185.00	173965.00
1600	65	IHATS10160**#	IHATS20160**#	109985.00	149310.00	IHATS4016\$**#	IHATS5016\$**#	151975.00	184700.00
2000	65	IHATS10200**#	IHATS20200**#	124950.00	175515.00	IHATS4020\$**#	IHATS5020\$**#	168540.00	209545.00

ACB Without Release (4 Pole)

HSN Code: 8536

Current Rating (A)	Breaking Capacity 415 V (kA)	Ordering Code		List Price in ₹ Per Unit		Ordering Code		List Price in ₹ Per Unit	
		MANUAL		MANUAL		ELECTRICAL		ELECTRICAL	
		Fixed	Drawout	Fixed	Drawout	Fixed	Drawout	Fixed	Drawout
630	65	IHAFS10060**#	IHAFS20060**#	88890.00	134070.00	IHAFS4006\$**#	IHAFS5006\$**#	127150.00	175150.00
800	65	IHAFS10080**#	IHAFS20080**#	93235.00	137935.00	IHAFS4008\$**#	IHAFS5008\$**#	133725.00	176610.00
1000	65	IHAFS10100**#	IHAFS20100**#	101385.00	147455.00	IHAFS4010\$**#	IHAFS5010\$**#	140605.00	184830.00
1250	65	IHAFS10120**#	IHAFS20120**#	134070.00	178260.00	IHAFS4012\$**#	IHAFS5012\$**#	170715.00	211595.00
1600	65	IHAFS10160**#	IHAFS20160**#	138445.00	194410.00	IHAFS4016\$**#	IHAFS5016\$**#	179240.00	226625.00
2000	65	IHAFS10200**#	IHAFS20200**#	164110.00	225440.00	IHAFS4020\$**#	IHAFS5020\$**#	206490.00	263220.00

\$ 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 630 A to 4000 A (65 kA) (IPR 3)

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

S.No.	SAP Code	Description	List Price in ₹ Per Unit
1-1	ISACX0172	IPR-E+	9470.00
1-2	ISACX0214	IPR-1+	14205.00
1-3	ISACX0173	IPR-2	18940.00
1-4	ISACX0199	IPR-3	42610.00
1-5	SACX0346	Communication software for IRP-3	Av. on request

2. Spring Charging Motor HSN Code: 8538

S.No.	SAP Code	Description	List Price in ₹ Per Unit
2-1	ISACX0358	Charging Motor 110 V	23790.00
2-2	ISACX0147	Charging Motor 230 V	23790.00

3. Main CTs *1 HSN Code: 8504

S.No.	SAP Code	Description	List Price in ₹ Per Unit
3-1	ICELFACL018	CT 400 A	1970.00
3-2	ICELFACL001	CT 630 A	1970.00
3-3	ICELFACL002	CT 800 A	1970.00
3-4	ICELFACL003	CT 1000A	2080.00
3-5	ICELFACL004	CT 1250 A	2080.00
3-6	ICELFACL005	CT 1600 A	2080.00
3-7	ICELFACL006	CT 2000 A	2785.00
3-8	ICELFACL007	CT 2500A	2785.00

4. Neutral CTs *2 HSN Code: 8504

S.No.	SAP Code	Description	List Price in ₹ Per Unit
4-1	ICELFACL019	NCT 400 A	1970.00
4-2	ICELFACL012	NCT 630 A	1970.00
4-3	ICELFACL013	NCT 800 A	1970.00
4-4	ICELFACL014	NCT 1000A	2080.00
4-5	ICELFACL015	NCT 1250 A	2080.00
4-6	ICELFACL016	NCT 1600 A	2080.00
4-7	ICELFACL017	NCT 2000 A	2785.00
4-8	ICELFACL021	NCT 2500A	3220.00

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

S.No.	SAP Code	Description	List Price in ₹ Per Unit
5-1	ISACX0196	220 VAC/DC	3290.00
5-2	ISACX0197	415 VAC	3290.00

6. Shunt Trip / Closing Coil HSN Code: 8538

S.No.	SAP Code	Description	List Price in ₹ Per Unit/s
6-1	ISACX0170	24 VDC	2430.00
6-2	ISACX0168	110 VAC/DC	2430.00
6-3	ISACX0167	220 VAC/DC	2430.00
6-4	ISACX0212	415 VAC	2430.00

7. Key Lock / Key Interlock HSN Code: 8301

S.No.	SAP Code	Description	List Price in ₹ Per Unit
7-1	ISACX0301	On/Off Button cover	310.00
7-2	ISACX0353	Key lock (1 lock+1 key)	1230.00
7-3	ISACX0181	Key interlock (2 locks+1 keys)	2650.00
7-4	ISACX0210	Key interlock (3 locks+2 keys)	3645.00
7-5	ISACX0332	Castle Lock Unit (1 lock+1 key)	2925.00
7-6	ISSACX0437	Castle Lock Unit (2 lock+1 key)	5150.00
7-7	ISSACX0436	Castle Lock Unit (3 lock+2 key)	8200.00
7-8	ISACX0341	Drawout position Lock	1500.00

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	List Price in ₹ Per Unit
8-1	SACP0174	630/800 A	1500.00
8-2	SACP0175	1000/1250 A	1950.00
8-3	SACP0179	1600 A	2230.00
8-4	SACP0176	2000 A	2515.00

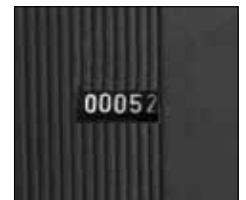
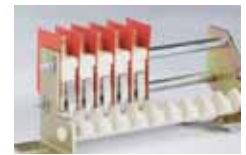
9. Other Accessories HSN Code: 8538

S.No.	SAP Code	Description	List Price in ₹ Per Unit
9-1	ISACX0208	Door Interlock	1950.00
9-2	ISACX0303	Mal Insertion prevention device	460.00
9-3	ISACX0028	Close open cycle counter	1720.00
9-4	ISACX0340	Mechanical Interlock through wire	Av. on request

9. Other Accessories HSN Code: 8536

S.No.	SAP Code	Description	List Price in ₹ Per Unit
9-5	ISACX0207	Spring charge indication switch	730.00
9-6	ISACX0349	Trip indication Switch	530.00
9-7	ISACX0139	Aux. switch (5 c/o additional)	1235.00
9-8	ISACX0182	Position indication switch	1860.00
9-9	ISACX0302	Field test unit	1860.00

*1 For 3200 A & 4000 A rating ACBs 2 nos each of 1600 A & 2000 A 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)
400 A	A
630 A	B
800 A	C
1000A	D
1250 A	E
1600 A	F
2000 A	G
3200 A	I
4000 A	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													
<table border="1"> <tr> <td>Rating of ACB</td> <td>630 A <input type="checkbox"/></td> <td>1000 A <input type="checkbox"/></td> <td>1600 A <input type="checkbox"/></td> <td>2500 A <input type="checkbox"/></td> <td>4000 A <input type="checkbox"/></td> <td rowspan="2">Qty.</td> </tr> <tr> <td></td> <td>800 A <input type="checkbox"/></td> <td>1250 A <input type="checkbox"/></td> <td>2000 A <input type="checkbox"/></td> <td>3200 A <input type="checkbox"/></td> <td></td> </tr> </table>			Rating of ACB	630 A <input type="checkbox"/>	1000 A <input type="checkbox"/>	1600 A <input type="checkbox"/>	2500 A <input type="checkbox"/>	4000 A <input type="checkbox"/>	Qty.		800 A <input type="checkbox"/>	1250 A <input type="checkbox"/>	2000 A <input type="checkbox"/>	3200 A <input type="checkbox"/>	
Rating of ACB	630 A <input type="checkbox"/>	1000 A <input type="checkbox"/>	1600 A <input type="checkbox"/>	2500 A <input type="checkbox"/>	4000 A <input type="checkbox"/>	Qty.									
	800 A <input type="checkbox"/>	1250 A <input type="checkbox"/>	2000 A <input type="checkbox"/>	3200 A <input type="checkbox"/>											
Series	E <input type="checkbox"/>	S <input type="checkbox"/>	H <input type="checkbox"/>	V <input type="checkbox"/>											
No. of Poles	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	4 <input type="checkbox"/>	(50% Neutral for V-Series only)										
	(100% Neutral)														
Mounting	Fixed <input type="checkbox"/>	Drawout <input type="checkbox"/>	Standard (for E&S series) <input type="checkbox"/> Vertical terminals (for H&V series) <input type="checkbox"/>												
Note: For E & S series - Adapter terminals are on demand															
Spring Charging Operation	Manual <input type="checkbox"/>	Electrical <input type="checkbox"/>	Closing Coil _____ VAC / DC Tripping Coil _____ VAC / DC Motor _____ V												
Release	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										
	Without Release	IPR E +	IPR 1 +	IPR 2	IPR 3										
	CT Rating _____ A,		Neutral CT <input type="checkbox"/>												
	Setting: O/L _____ A,		S/C _____ A,												
	Inst. _____ A,		GFT _____ A,												
Note: Unless otherwise specified O/L will be set at maximum value and all other settings would be set at mid values.															
Other Accessories	Close open cycle counter <input type="checkbox"/>	Field test unit <input type="checkbox"/>	Position Indication Switch <input type="checkbox"/>	Spring Charge Indication Switch <input type="checkbox"/>	Mechanical Interlock <input type="checkbox"/>	Mal Insertion Prevention device <input type="checkbox"/>									
						Door Interlock <input type="checkbox"/>									
						Key Interlock <input type="checkbox"/>									
						Five c/o additional Aux. contacts <input type="checkbox"/> Shunt Trip <input type="checkbox"/> UVT <input type="checkbox"/> Trip Indication Switch <input type="checkbox"/> Key Lock <input type="checkbox"/> Key Interlock <input type="checkbox"/>									
						2L+1K <input type="checkbox"/> 3L+2K <input type="checkbox"/>									

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.

Havells Ordering Code Logic for ACB

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

T > Three F > Four	E > 50 kA S > 65 kA H > 75 kA V > 100 kA	MF > Manual Fixed MH > Manual Drawout MA > Manual Drawout with adapter terminals (for E & S Series only) EF > Electrical Fixed EH > Electrical Drawout EA > Electrical Drawout with adapter terminals (for E & S Series only)	0 > Without Release
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HAVELLS

The Compact Reliable Performer.

Introducing Havells ML 1 Frame MCCB for total protection.

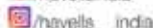


- **Current Rating: 63A, 80A, 100A & 125A** ● **Execution: 3 pole** ● **Breaking Capacity: 10kA**
- Compact □ Fixed Thermal and Magnetic release □ Precise and reliable protection

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1800 103 1313 (All Connections).
For dealer interested in opening new Havells Galaxy Store,
please e-mail at: galaxy@havells.com

Havells India Pvt. Ltd.

SH Frame: Fixed Thermal & Fixed Magnetic setting

Ics = 50% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	List Price in ₹ Per Unit
10	15	SH	IHLSHAAT0015	POR
	20		IHLSHAAT0020	POR
	32		IHLSHAAT0032	POR
	40		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)	Frame	Three Pole Cat. No.	List Price in ₹ Per Unit
10	63	ML 1	IHLM1AAT0063	1590.00
	80		IHLM1AAT0080#	1590.00
	100		IHLM1AAT0100#	1675.00
	125		IHLM1AAT0125#	2315.00



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

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Single Pole Cat. No.	List Price in ₹ Per Unit	Three Pole Cat. No.	List Price in ₹ Per Unit	Four Pole wSN Cat. No.	List Price in ₹ Per Unit
10	25	GS	IHLGSS0025	825.00	IHLGST0025	1745.00	IHLGSF0025	2290.00
	32		IHLGSS0032	825.00	IHLGST0032	1745.00	IHLGSF0032	2290.00
	40		IHLGSS0040	825.00	IHLGST0040	1745.00	IHLGSF0040	2290.00
	50		IHLGSS0050	825.00	IHLGST0050	1745.00	IHLGSF0050	2290.00
	63		IHLGSS0063	825.00	IHLGST0063	1825.00	IHLGSF0063	2410.00
	80		IHLGSS0080 #	825.00	IHLGST0080 #	1860.00	IHLGSF0080 #	2805.00
	100		IHLGSS0100 #	825.00	IHLGST0100 #	1860.00	IHLGSF0100 #	2805.00
	125		IHLGSS0125 #	1040.00	IHLGST0125 #	3025.00	IHLGSF0125 #	3585.00
	150		IHLGSS0150 #	1105.00	IHLGST0150 #	3615.00	IHLGSF0150 #	4790.00
160	IHLGSS0160 #	1120.00	IHLGST0160 #	3615.00	IHLGSF0160 #	4790.00		



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

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Single Pole Cat. No.	List Price in ₹ Per Unit	Three Pole Cat. No.	List Price in ₹ Per Unit	Four Pole wSN Cat. No.	List Price in ₹ Per Unit
16	25	GN	IHLGNS0025	1150.00	IHLGNT0025	3375.00	IHLGNF0025	4000.00
	32		IHLGNS0032	1150.00	IHLGNT0032	3375.00	IHLGNF0032	4000.00
	40		IHLGNS0040	1150.00	IHLGNT0040	3375.00	IHLGNF0040	4000.00
	50		IHLGNS0050	1150.00	IHLGNT0050	3375.00	IHLGNF0050	4000.00
	63		IHLGNS0063	1150.00	IHLGNT0063	3375.00	IHLGNF0063	4000.00
	80		IHLGNS0080 #	1150.00	IHLGNT0080 #	3555.00	IHLGNF0080 #	4320.00
	100		IHLGNS0100 #	1150.00	IHLGNT0100 #	3555.00	IHLGNF0100 #	4320.00
	125		IHLGNS0125 #	1200.00	IHLGNT0125 #	3795.00	IHLGNF0125 #	4590.00
	150		IHLGNS0150 #	1200.00	IHLGNT0150 #	4430.00	IHLGNF0150 #	5330.00
160	IHLGNAS0160 #	1200.00	IHLGNT0160 #	4430.00	IHLGNF0160 #	5330.00		



* 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).



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

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Single Pole Cat. No.	List Price in ₹ Per Unit	Three Pole Cat. No.	List Price in ₹ Per Unit	Four Pole (wSN) Cat. No.	List Price in ₹ Per Unit
25	25	GH	IHLGHDAS0025	1515.00	IHLGHT0025	3935.00	IHLGHF0025	4950.00
	32		IHLGHDAS0032	1515.00	IHLGHT0032	3935.00	IHLGHF0032	4950.00
	40		IHLGHDAS0040	1515.00	IHLGHT0040	3935.00	IHLGHF0040	4950.00
	50		IHLGHDAS0050	1515.00	IHLGHT0050	3935.00	IHLGHF0050	4950.00
	63		IHLGHDAS0063	1515.00	IHLGHT0063	3935.00	IHLGHF0063	4950.00
	80		IHLGHDAS0080 #	1515.00	IHLGHT0080 #	4390.00	IHLGHF0080 #	5375.00
	100		IHLGHDAS0100 #	1515.00	IHLGHT0100 #	4390.00	IHLGHF0100 #	5375.00
	125		IHLGHDAS0125 #	1560.00	IHLGHT0125 #	4585.00	IHLGHF0125 #	6025.00
	150		IHLGHDAS0150 #	1805.00	IHLGHT0150 #	6910.00	IHLGHF0150 #	8065.00
160	IHLGHDAS0160 #	1805.00	IHLGHT0160 #	6910.00	IHLGHF0160 #	8065.00		

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 Cat. No.	List Price in ₹ Per Unit	Four Pole (wSN) Cat. No.	List Price in ₹ Per Unit
35	25	FN	IHLFNT0025	6275.00	IHLFNF0025	7125.00
	32		IHLFNT0032	6275.00	IHLFNF0032	7125.00
	40		IHLFNT0040	6275.00	IHLFNF0040	7125.00
	50		IHLFNT0050	6275.00	IHLFNF0050	7125.00
	63		IHLFNT0063	6275.00	IHLFNF0063	7125.00
	80		IHLFNT0080 #	6275.00	IHLFNF0080 #	7350.00
	100		IHLFNT0100 #	6275.00	IHLFNF0100 #	7350.00
	125		IHLFNT0125 #	7825.00	IHLFNF0125 #	9395.00
	160		IHLFNT0160 #	10060.00	IHLFNF0160 #	12580.00
200	IHLFNT0200 #	11865.00	IHLFNF0200 #	15895.00		
250	IHLFNT0250 #	14885.00	IHLFNF0250 #	19415.00		



Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	List Price in ₹ Per Unit	Four Pole (wSN) Cat. No.	List Price in ₹ Per Unit
50	25	FH	IHLFHT0025	7050.00	IHLFHF0025	8000.00
	32		IHLFHT0032	7050.00	IHLFHF0032	8000.00
	40		IHLFHT0040	7050.00	IHLFHF0040	8000.00
	50		IHLFHT0050	7050.00	IHLFHF0050	8000.00
	63		IHLFHT0063	7050.00	IHLFHF0063	8000.00
	80		IHLFHT0080 #	7530.00	IHLFHF0080 #	8940.00
	100		IHLFHT0100 #	7530.00	IHLFHF0100 #	8940.00
	125		IHLFHT0125 #	8985.00	IHLFHF0125 #	11515.00
	160		IHLFHT0160 #	10755.00	IHLFHF0160 #	13445.00
	200		IHLFHT0200 #	12230.00	IHLFHF0200 #	16505.00
	250		IHLFHT0250 #	15095.00	IHLFHF0250 #	20135.00

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).

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 Cat. No. Icu at 240V (kA)	List Price in ₹ Per Unit	Double Pole Cat. No.	List Price in ₹ Per Unit	Three Pole Cat. No.	List Price in ₹ Per Unit	Four Pole Cat. No.	List Price in ₹ Per Unit
10	40	E1	IHLE1AAS0040	1545.00	IHLE1AAD0040	2260.00	IHLE1ABT0040	2940.00	IHLE1ABF0040	3430.00
	50		IHLE1AAS0050	1545.00	IHLE1AAD0050	2260.00	IHLE1ABT0050	2940.00	IHLE1ABF0050	3430.00
	63		IHLE1AAS0063	1545.00	IHLE1AAD0063	2260.00	IHLE1ABT0063	2940.00	IHLE1ABF0063	3430.00
	80		IHLE1AAS0080#	1545.00	IHLE1AAD0080#	2260.00	IHLE1ABT0080#	3040.00	IHLE1ABF0080#	3525.00
	100		IHLE1AAS0100#	1545.00	IHLE1AAD0100#	2260.00	IHLE1ABT0100#	3040.00	IHLE1ABF0100#	3525.00
	125		IHLE1AAS0125#	2195.00	IHLE1AAD0125#	3210.00	IHLE1ABT0125#	4175.00	IHLE1ABF0125#	4975.00
	160		IHLE1AAS0160#	2505.00	IHLE1AAD0160#	3665.00	IHLE1ABT0160#	4760.00	IHLE1ABF0160#	5745.00

*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 415 V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	List Price in ₹ Per Unit	Four Pole (wSN) Cat. No.	List Price in ₹ Per Unit
16	160	AS	IHLAST0160 #	5245.00	IHLASF0160 #	6800.00
	200		IHLAST0200 #	6000.00	IHLASF0200 #	7565.00

Ics = 75% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Single Pole Cat. No.	List Price in ₹ Per Unit	Three Pole Cat. No.	List Price in ₹ Per Unit	Four Pole (wSN) Cat. No.	List Price in ₹ Per Unit
25	25	AS	IHLASS0025	1865.00	IHLAST0025	3990.00	IHLASF0025	5525.00
	32		IHLASS0032	1865.00	IHLAST0032	3990.00	IHLASF0032	5525.00
	40		IHLASS0040	1865.00	IHLAST0040	3990.00	IHLASF0040	5525.00
	50		IHLASS0050	1865.00	IHLAST0050	3990.00	IHLASF0050	5525.00
	63		IHLASS0063	1865.00	IHLAST0063	3990.00	IHLASF0063	5525.00
	80		IHLASS0080 #	1865.00	IHLAST0080 #	4375.00	IHLASF0080 #	5780.00
	100		IHLASS0100 #	1865.00	IHLAST0100 #	4375.00	IHLASF0100 #	5780.00
	125		IHLASS0125 #	2960.00	IHLAST0125 #	5560.00	IHLASF0125 #	6490.00
	160	AN	IHLANS0160 #	3155.00	IHLANT0160 #	6135.00	IHLANF0160 #	7615.00
	200		IHLANS0200 #	3535.00	IHLANT0200 #	7665.00	IHLANF0200 #	9470.00
250	IHLANS0250 #	3970.00	IHLANT0250 #	9060.00	IHLANF0250 #	11530.00		

Ics = 75% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	List Price in ₹ Per Unit	Four Pole (wSN) Cat. No.	List Price in ₹ Per Unit
35	25	AN	IHLANT0025	5090.00	IHLANF0025	6220.00
	32		IHLANT0032	5090.00	IHLANF0032	6220.00
	40		IHLANT0040	5090.00	IHLANF0040	6220.00
	50		IHLANT0050	5090.00	IHLANF0050	6220.00
	63		IHLANT0063	5090.00	IHLANF0063	6220.00
	80		IHLANT0080 #	5605.00	IHLANF0080 #	6550.00
	100		IHLANT0100 #	5605.00	IHLANF0100 #	6550.00
	125		IHLANT0125 #	5640.00	IHLANF0125 #	6640.00

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).

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 Cat. No.	List Price in ₹ Per Unit	Four Pole (wSN) Cat. No.	List Price in ₹ Per Unit
16	160	AS	IHLASBCT0160 #	5400.00	IHLASBCF0160 #	7325.00
	200		IHLASBCT0200 #	6150.00	IHLASBCF0200 #	8000.00



Ics = 75% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	List Price in ₹ Per Unit	Four Pole (wSN) Cat. No.	List Price in ₹ Per Unit
25	80	AS	IHLASDCT0080 #	4450.00	IHLASDCF0080 #	5,865
	100		IHLASDCT0100 #	4450.00	IHLASDCF0100 #	5,865
	125		IHLASDCT0125 #	5890.00	IHLASDCF0125 #	6,825
	160	AN	IHLANDCT0160 #	6455.00	IHLANDCF0160 #	7,945
	200		IHLANDCT0200 #	7975.00	IHLANDCF0200 #	9,810
	250		IHLANDCT0250 #	9385.00	IHLANDCF0250 #	11,870



Ics = 75% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	List Price in ₹ Per Unit	Four Pole (wSN) Cat. No.	List Price in ₹ Per Unit
35	80	AN	IHLANECT0080 #	5925.00	IHLANECF0080 #	6840.00
	100		IHLANECT0100 #	5925.00	IHLANECF0100 #	6840.00
	125		IHLANECT0125 #	6060.00	IHLANECF0125 #	6975.00



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 Cat. No. Icu at 240V (kA)	List Price in ₹ Per Unit	Double Pole Cat. No.	List Price in ₹ Per Unit	Three Pole Cat. No.	List Price in ₹ Per Unit	Four Pole Cat. No.	List Price in ₹ Per Unit
27	40	HID1	IHA13DBS0040	2430.00	IHA13DBD0040	3555.00	IHA13DBT0040	4620.00	IHA13DBF0040	5390.00
	50		IHA13DBS0050	2430.00	IHA13DBD0050	3555.00	IHA13DBT0050	4620.00	IHA13DBF0050	5390.00
	63		IHA13DBS0063	2430.00	IHA13DBD0063	3555.00	IHA13DBT0063	4620.00	IHA13DBF0063	5390.00
	80		IHA13DBS0080#	2600.00	IHA13DBD0080#	3805.00	IHA13DBT0080#	4950.00	IHA13DBF0080#	5940.00
	100		IHA13DBS0100#	2600.00	IHA13DBD0100#	3805.00	IHA13DBT0100#	4950.00	IHA13DBF0100#	5940.00
	125		IHA13DBS0125#	3295.00	IHA13DBD0125#	4825.00	IHA13DBT0125#	6270.00	IHA13DBF0125#	7480.00
	160		IHA13DBS0160#	4075.00	IHA13DBD0160#	5960.00	IHA13DBT0160#	7745.00	IHA13DBF0160#	9350.00

Ics = 100% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Single Pole Cat. No. Icu at 240V (kA)	List Price in ₹ Per Unit	Double Pole Cat. No.	List Price in ₹ Per Unit	Three Pole Cat. No.	List Price in ₹ Per Unit	Four Pole Cat. No.	List Price in ₹ Per Unit
36	40	HID1	IHA13EBS0040	3010.00	IHA13EBD0040	4400.00	IHA13EBT0040	5720.00	IHA13EBF0040	6820.00
	50		IHA13EBS0050	3010.00	IHA13EBD0050	4400.00	IHA13EBT0050	5720.00	IHA13EBF0050	6820.00
	63		IHA13EBS0063	3010.00	IHA13EBD0063	4400.00	IHA13EBT0063	5720.00	IHA13EBF0063	6820.00
	80		IHA13EBS0080#	3360.00	IHA13EBD0080#	4905.00	IHA13EBT0080#	6380.00	IHA13EBF0080#	7700.00
	100		IHA13EBS0100#	3360.00	IHA13EBD0100#	4905.00	IHA13EBT0100#	6380.00	IHA13EBF0100#	7700.00
	125		IHA13EBS0125#	3530.00	IHA13EBD0125#	5165.00	IHA13EBT0125#	6710.00	IHA13EBF0125#	7920.00
	160		IHA13EBS0160#	4515.00	IHA13EBD0160#	6600.00	IHA13EBT0160#	8580.00	IHA13EBF0160#	9900.00

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* & Fixed Magnetic setting

Ics = 100% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	List Price in ₹ Per Unit	Four Pole (wSN) Cat. No.	List Price in ₹ Per Unit
36	200	LS	IHLLSEBT0200 #	14830.00	IHLLSEBF0200 #	17705.00
	250		IHLLSEBT0250 #	15930.00	IHLLSEBF0250 #	19030.00
	320		IHLLSEBT0320 #	17515.00	IHLLSEBF0320 #	21515.00
	400		IHLLSEBT0400 #	17515.00	IHLLSEBF0400 #	21515.00
	500		IHLLSEBT0500 #	20090.00	IHLLSEBF0500 #	25025.00
	630		IHLLSEBT0630 #	22225.00	IHLLSEBF0630 #	27525.00

Ics = 75% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	List Price in ₹ Per Unit	Four Pole (wSN) Cat. No.	List Price in ₹ Per Unit
50	200	LN	IHLLNFBT0200 #	15630.00	IHLLNFBF0200 #	18505.00
	250		IHLLNFBT0250 #	16930.00	IHLLNFBF0250 #	20030.00
	320		IHLLNFBT0320 #	19015.00	IHLLNFBF0320 #	23015.00
	400		IHLLNFBT0400 #	19015.00	IHLLNFBF0400 #	23015.00
	500		IHLLNFBT0500 #	21665.00	IHLLNFBF0500 #	26600.00
	630		IHLLNFBT0630 #	24875.00	IHLLNFBF0630 #	30175.00



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 Cat. No.	List Price in ₹ Per Unit	Four Pole (wSN) Cat. No.	List Price in ₹ Per Unit
36	200	LS	IHLLSECT0200 #	15410.00	IHLLSECF0200 #	18285.00
	250		IHLLSECT0250 #	16510.00	IHLLSECF0250 #	19610.00
	320		IHLLSECT0320 #	18115.00	IHLLSECF0320 #	22115.00
	400		IHLLSECT0400 #	18115.00	IHLLSECF0400 #	22115.00
	500		IHLLSECT0500 #	20745.00	IHLLSECF0500 #	25680.00
	630		IHLLSECT0630 #	22880.00	IHLLSECF0630 #	28180.00

Ics = 75% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	List Price in ₹ Per Unit	Four Pole (wSN) Cat. No.	List Price in ₹ Per Unit
50	200	LN	IHLLNFCT0200 #	16210.00	IHLLNF0200 #	19085.00
	250		IHLLNFCT0250 #	17510.00	IHLLNF0250 #	20610.00
	320		IHLLNFCT0320 #	19615.00	IHLLNF0320 #	23615.00
	400		IHLLNFCT0400 #	19615.00	IHLLNF0400 #	23615.00
	500		IHLLNFCT0500 #	22320.00	IHLLNF0500 #	27255.00
	630		IHLLNFCT0630 #	25530.00	IHLLNF0630 #	30830.00

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 Cat. No.	List Price in ₹ Per Unit	Four Pole (wSN) Cat. No.	List Price in ₹ Per Unit
35	160	CN	IHLCNT0160 #	22060.00	IHLCNF0160 #	29030.00
	200		IHLCNT0200 #	22060.00	IHLCNF0200 #	29030.00
	250		IHLCNT0250 #	22060.00	IHLCNF0250 #	29030.00
	315		IHLCNT0315 #	22860.00	IHLCNF0315 #	30075.00
	400		IHLCNT0400 #	22860.00	IHLCNF0400 #	30075.00
	500		IHLCNT0500 #	27035.00	IHLCNF0500 #	33170.00
	630		IHLCNT0630 #	27930.00	IHLCNF0630 #	34265.00
	800		IHLCNT0800 #	32520.00	IHLCNF0800 #	40280.00

Ics = 50% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	List Price in ₹ Per Unit	Four Pole (wSN) Cat. No.	List Price in ₹ Per Unit
50	160	CH	IHLCHT0160 #	24265.00	IHLCHF0160 #	32150.00
	200		IHLCHT0200 #	24265.00	IHLCHF0200 #	32150.00
	250		IHLCHT0250 #	24265.00	IHLCHF0250 #	32150.00
	315		IHLCHT0315 #	24265.00	IHLCHF0315 #	32150.00
	400		IHLCHT0400 #	24265.00	IHLCHF0400 #	32150.00
	500		IHLCHT0500 #	29680.00	IHLCHF0500 #	36885.00
	630		IHLCHT0630 #	29680.00	IHLCHF0630 #	37490.00
	800		IHLCHT0800 #	35630.00	IHLCHF0800 #	42765.00

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 Cat. No.	List Price in ₹ Per Unit
50	1000	DN	IHLDNT1000 #	78115.00
	1250		IHLDNT1250 #	89555.00
	1600		IHLDNT1600 #	96530.00



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).

G Frame (DC) : Fixed Thermal & Fixed Magnetic setting
Ics = 75% of Icu

HSN Code: 8536

Breaking Capacity Icu at 250 Vac (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	List Price in ₹ Per Unit
5	25	GN	IHMCGNT0025	3550.00
	32		IHMCGNT0032	3550.00
	40		IHMCGNT0040	3550.00
	50		IHMCGNT0050	3550.00
	63		IHMCGNT0063	3550.00
	80		IHMCGNT0080 #	3550.00
	100		IHMCGNT0100 #	3550.00
	125		IHMCGNT0125 #	4400.00
	160		IHMCGNT0160 #	5535.00



A Frame (DC) : Adjustable Thermal* & Fixed Magnetic setting
Ics = 75% of Icu

HSN Code: 8536

Breaking Capacity Icu at 250 Vac (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	List Price in ₹ Per Unit
10	25	AN	IHMCANT0025	4995.00
	32		IHMCANT0032	4995.00
	40		IHMCAABT0040	4995.00
	50		IHMCAABT0050	4995.00
	63		IHMCANT0063	4995.00
	80		IHMCANT0080 #	5190.00
	100		IHMCAABT0100 #	5190.00
	125		IHMCAABT0125 #	6950.00
	160		IHMCANT0160 #	8825.00
	200		IHMCANT0200 #	9380.00
	250		IHMCANT0250 #	10580.00



C Frame (DC) : Adjustable Thermal & Adjustable Magnetic setting*
Ics = 50% of Icu

HSN Code: 8536

Breaking Capacity Icu at 250 Vac (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	List Price in ₹ Per Unit
20	160	CH	IHMCCHT0160 #	25780.00
	200		IHMCCHT0200 #	25780.00
	250		IHMCCHT0250 #	25780.00
	315		IHMCCHT0315 #	25780.00
	400		IHMCCHT0400 #	25780.00
	500		IHMCCHT0500 #	30575.00
	630		IHMCCHT0630 #	30575.00
	800		IHMCCHT0800 #	37650.00



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	Cat. No.	List Price in ₹ Per Unit
1.	'ML' Frame TP	IHEMTP	855.00
2.	'G' Frame TP	IHEGTP	1500.00
3.	'G' Frame FP	IHEGFP	1500.00
4.	'A' Frame TP	IHEATP	1620.00
5.	'A' Frame FP	IHEAFP	1620.00
6.	'F' Frame TP	IHEFTP	1735.00
7.	'F' Frame FP	IHEFFP	1735.00
8.	'C' Frame TP / FP (400 A)	IHECTP / IHECFP	7240.00
9.	'C' Frame TP / FP (800 A)	IHECTS / IHECFS	7645.00
10.	'L' Frame TP	IHELTP	6215.00
11.	'L' Frame FP	IHELFP	6730.00
12.	HID Frame TP	ISSBOU1117	1620.00
13.	HID Frame FP	ISSBOU1118	1620.00



HSN Code: 8538

Accessories for **Loadline** Moulded Case Circuit Breakers

Description	'G' / 'ML' Frame		'A' Frame		'F' Frame		'C' Frame		'D' Frame		'L' Frame		E1 / HID Frame	
	Cat. No.	List Price in ₹ Per Unit	Cat. No.	List Price in ₹ Per Unit	Cat. No.	List Price in ₹ Per Unit	Cat. No.	List Price in ₹ Per Unit	Cat. No.	List Price in ₹ Per Unit	Cat. No.	List Price in ₹ Per Unit	Cat. No.	List Price in ₹ Per Unit

Shunt Trip														
100-110Vac	IHLGS110	985.00	IHLAS110	1015.00	IHLLSTF110	1180.00	IHLCS110	1440.00	IHLLSTD110	1540.00	IHLLS110	1400.00	ISSLEU0438	1155.00
220-240Vac	IHLGS240	985.00	IHLAS240	1015.00	IHLLSTF240	1180.00	IHLCS240	1440.00	IHLLSTD240	1540.00	IHLLS240	1400.00	ISSLEU0439	1155.00
380-415 Vac	IHLGS415	985.00	IHLAS415	1015.00	IHLLSTF415	1180.00	IHLCS415	1440.00	IHLLSTD415	1540.00	IHLLS415	1400.00	ISSLEU0440	1155.00

Under Voltage Release														
110-120Vac	IHLGU110	1210.00	IHLAU110	1340.00	IHLUVRF110	1340.00	IHLUCU110	1685.00	IHLUVRD110	1855.00	IHLLU110	1685.00		
220-240Vac	IHLGU240	1210.00	IHLAU240	1340.00	IHLUVRF240	1340.00	IHLUCU240	1685.00	IHLUVRD240	1855.00	IHLLU240	1685.00		
380-440Vac	IHLGU440	1210.00	IHLAU440	1340.00	IHLUVRF440	1340.00	IHLUCU440	1685.00	IHLUVRD440	1855.00	IHLLU415	1685.00		

Auxiliary Contact (250Vac/250Vdc) (450Vac/250Vdc)														
1-Changeover	IHLLASG1CO	665.00	IHLAA1CO	690.00	IHLASF1CO	690.00	IHLASC1CO	955.00	IHLASD1CO	1285.00	IHLLA1CO	800.00	ISSLEU0444	655.00
2-Changeover	IHLLASG2CO	755.00	IHLAA2CO	950.00	IHLASF2CO	950.00	IHLASC2CO	1195.00	IHLASD2CO	1565.00	IHLLA2CO	1000.00	ISSLEU0445	905.00

Rotary Handle														
Direct mounting	IHLGD000	985.00	IHLAD000	1240.00										
Door Mounting	IHLGRN30	985.00	IHLARN30	1240.00	IHLRRHF30	1325.00	IHLRRHC30	2300.00	IHLRRHD30	4115.00	IHLRN30	2290.00	ISSLEU0494	1260.00
Trip Alarm Contact (Factory Fitted)	IHLLALG1CO	565.00	IHLLALA1CO	645.00	IHLLALF1CO	645.00	IHLLALC1CO*	870.00			IHLLB000	760.00	ISSLEU0447	625.00

Back Studs			IHLBSA250	\$			IHLBSC##	\$						
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Note : Following additional accessories are available on request :

- Terminal Shrouds for G, A, F frame
- Dolly Pad Lock for G, A, F, C & L frame
- Factory fitted 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)	Cat. No.**	List Price in ₹ Per Unit
1	25-100	IHEF1100	5170.00
2	125-200	IHEF2200	5870.00
3	250-400	IHEF3400	6840.00
4	500-800	IHEF4800	8530.00

- 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.

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 Cat. No.	List Price in ₹ Per Unit	Four Pole (wSN) Cat. No.	List Price in ₹ Per Unit
35	25	FEN	IHLFENT0025	8795.00	IHLFENF0025	11385.00
	32		IHLFENT0032	8795.00	IHLFENF0032	11385.00
	40		IHLFENT0040	8795.00	IHLFENF0040	11385.00
	50		IHLFENT0050	8795.00	IHLFENF0050	11385.00
	63		IHLFENT0063	8795.00	IHLFENF0063	11385.00
	80		IHLFENT0080 #	8795.00	IHLFENF0080 #	11385.00
	100		IHLFENT0100 #	8795.00	IHLFENF0100 #	11385.00
	125		IHLFENT0125 #	10860.00	IHLFENF0125 #	13875.00
	160		IHLFENT0160 #	11610.00	IHLFENF0160 #	14670.00
	200		IHLFENT0200 #	14735.00	IHLFENF0200 #	17120.00
250	IHLFENT0250 #	17100.00	IHLFENF0250 #	20125.00		

Ics = 75% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	List Price in ₹ Per Unit	Four Pole (wSN) Cat. No.	List Price in ₹ Per Unit
50	25	FEH	IHLFEHT0025	9315.00	IHLFEHF0025	11905.00
	32		IHLFEHT0032	9315.00	IHLFEHF0032	11905.00
	40		IHLFEHT0040	9315.00	IHLFEHF0040	11905.00
	50		IHLFEHT0050	9315.00	IHLFEHF0050	11905.00
	63		IHLFEHT0063	9315.00	IHLFEHF0063	11905.00
	80		IHLFEHT0080 #	9315.00	IHLFEHF0080 #	11905.00
	100		IHLFEHT0100 #	9315.00	IHLFEHF0100 #	11905.00
	125		IHLFEHT0125 #	11455.00	IHLFEHF0125 #	14470.00
	160		IHLFEHT0160 #	12840.00	IHLFEHF0160 #	15895.00
	200		IHLFEHT0200 #	15980.00	IHLFEHF0200 #	18335.00
250	IHLFEHT0250 #	18410.00	IHLFEHF0250 #	21385.00		

*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 Cat. No.	List Price in ₹ Per Unit	Four Pole (wSN) Cat. No.	List Price in ₹ Per Unit
36	250	LES	IHLLSEET0250 #	22865.00	IHLLSEEF0250 #	27675.00
	320		IHLLSEET0320 #	22865.00	IHLLSEEF0320 #	27675.00
	400		IHLLSEET0400 #	22865.00	IHLLSEEF0400 #	27675.00
	500		IHLLSEET0500 #	24490.00	IHLLSEEF0500 #	32690.00
	630		IHLLSEET0630 #	24490.00	IHLLSEEF0630 #	32690.00

Ics = 75% of Icu

HSN Code: 8536

Breaking Capacity Icu at 415 V (kA)	Current Rating (A)	Frame	Three Pole Cat. No.	List Price in ₹ Per Unit	Four Pole (wSN) Cat. No.	List Price in ₹ Per Unit
50	250	LEN	IHLLNFET0250 #	25420.00	IHLLNFEF0250 #	31835.00
	320		IHLLNFET0320 #	25420.00	IHLLNFEF0320 #	31835.00
	400		IHLLNFET0400 #	25420.00	IHLLNFEF0400 #	31835.00
	500		IHLLNFET0500 #	27835.00	IHLLNFEF0500 #	36505.00
	630		IHLLNFET0630 #	27835.00	IHLLNFEF0630 #	36505.00

*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)

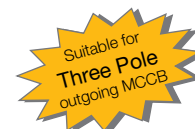
Single door



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

HSN Code: 8537

Incomer**	Outgoing* (No. of Ways)	Single Door Cat. No.	List Price in ₹ Per Unit	Double Door Cat. No.	List Price in ₹ Per Unit
250 A "AA" Frame MCCB	2	IHVG025002	32990.00	IHVG02500200	36045.00
	4	IHVG025004	41445.00	IHVG02500400	44455.00
	6	IHVG025006	47430.00	IHVG02500600	50465.00
	8	IHVG025008	51365.00	IHVG02500800	54395.00
	12	IHVG025012	63425.00	IHVG02501200	66410.00
	16	IHVG025016	74625.00	IHVG02501600	77655.00
400 A "LS" Frame MCCB	2	IHLG040002	38545.00	IHLG04000200	42115.00
	4	IHLG040004	46025.00	IHLG04000400	49365.00
	6	IHLG040006	48990.00	IHLG04000600	52125.00
	8	IHLG040008	52335.00	IHLG04000800	55425.00
	12	IHLG040012	67410.00	IHLG04001200	70575.00
	16	IHLG040016	80055.00	IHLG04001600	83310.00
400 A "CN" Frame MCCB	2	IHVG040002	41165.00	IHVG04000200	44215.00
	4	IHVG040004	48430.00	IHVG04000400	50390.00
	6	IHVG040006	56245.00	IHVG04000600	59305.00
	8	IHVG040008	59470.00	IHVG04000800	62535.00
	12	IHVG040012	72960.00	IHVG04001200	76345.00
	16	IHVG040016	83335.00	IHVG04001600	86415.00



* 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 Cat. No.	List Price in ₹ Per Unit	Double Door Cat. No.	List Price in ₹ Per Unit
250 A "AA" Frame MCCB	2	IHVGF25002	35505.00	IHVGF2500200	38500.00
	4	IHVGF25004	44165.00	IHVGF2500400	47185.00
	6	IHVGF25006	52005.00	IHVGF2500600	54990.00
	8	IHVGF25008	56125.00	IHVGF2500800	59145.00
	12	IHVGF25012	81420.00	IHVGF2501200	84430.00
400 A "LS" Frame MCCB	2	IHLGF40002	41485.00	IHLGF4000200	44985.00
	4	IHLGF40004	49045.00	IHLGF4000400	52390.00
	6	IHLGF40006	53710.00	IHLGF4000600	56795.00
	8	IHLGF40008	57185.00	IHLGF4000800	60270.00
400 A "CN" Frame MCCB	2	IHVGF40002	45350.00	IHVGF4000200	48415.00
	4	IHVGF40004	53770.00	IHVGF4000400	56855.00
	6	IHVGF40006	61690.00	IHVGF4000600	64760.00
	8	IHVGF40008	65590.00	IHVGF4000800	68655.00
	12	IHVGF40012	91575.00	IHVGF4001200	94660.00



* 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 Cat. No.	List Price in ₹ Per Unit	Double Door Cat. No.	List Price in ₹ Per Unit
1	Cable Alley I/C 250 A,O/G 3P GF 2/4Way	ISSBOU0674	12915.00	ISSBOU0690	13850.00
2	Cable Alley I/C 250 A,O/G 3P GF 6WAY & 4P 2/4Way	ISSBOU0675	17345.00	ISSBOU0691	18285.00
3	Cable Alley I/C 250 A,O/G 3P GF 8WAY & 4P 6Way	ISSBOU0676	17580.00	ISSBOU0692	19175.00
4	Cable Alley I/C 250 A,O/G 3P GF 12Way	ISSBOU0677	19945.00	ISSBOU0693	20500.00
5	Cable Alley I/C 250 A,O/G 4P GF 8Way	ISSBOU0678	19945.00	ISSBOU0694	20500.00
6	Cable Alley I/C 250 A,O/G 3P GF 16Way & 4P 12Way	ISSBOU0679	23495.00	ISSBOU0696	24380.00
7	Cable Alley I/C 400 A,O/G 3P GF 2/4Way	ISSBOU0680	15295.00	ISSBOU0697	15845.00
8	Cable Alley I/C 400 A,O/G 3P GF 6WAY & 4P 2/4Way	ISSBOU0681	15295.00	ISSBOU0698	15845.00
9	Cable Alley I/C 400 A/630 A/800 A, O/G 3P GF 8Way, 4P 6Way & A/F 6Way	ISSBOU0682	20560.00	ISSBOU0699	21560.00
10	Cable Alley I/C 400 A,O/G 3P GF 12Way	ISSBOU0683	23720.00	ISSBOU0700	24380.00
11	Cable Alley I/C 400 A/630 A/800 A, O/G 4P GF 8Way & TP A/F 8Way	ISSBOU0684	24935.00	ISSBOU0701	25490.00
12	Cable Alley I/C 400 A/630 A/800 A, O/G 4P GF 12Way, TP GF 16Way & TP A/F 12Way	ISSBOU0685	26045.00	ISSBOU0702	26600.00

* 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 Cat. No.	List Price in ₹ Per Unit	Double Door Cat. No.	List Price in ₹ Per Unit
400 A "LS" Frame MCCB	6	IHLA040006	66460.00	IHLA04000600	68880.00
	8	IHLA040008	70995.00	IHLA04000800	73480.00
	12	IHLA040012	91440.00	IHLA04001200	93815.00
400 A "CN/CH" Frame MCCB	6	IHVA040006	84390.00	IHVA04000600	87470.00
	8	IHVA040008	87910.00	IHVA04000800	90990.00
	12	IHVA040012	118460.00	IHVA04001200	121540.00
630 A "CN/CH" Frame MCCB	6	IHVA063006	89555.00	IHVA06300600	92570.00
	8	IHVA063008	92770.00	IHVA06300800	95790.00
	12	IHVA063012	122310.00	IHVA06301200	125330.00
800 A "CN/CH" Frame MCCB	6	IHVA080006	90030.00	IHVA08000600	93050.00
	8	IHVA080008	93515.00	IHVA08000800	96535.00
	12	IHVA080012	123285.00	IHVA08001200	126305.00

* 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 Cat. No.	List Price in ₹ Per Unit	Double Door Cat. No.	List Price in ₹ Per Unit
1	Prewire Meter Module - Analog	ISSBOU0689	14955.00	ISSBOU0706	15520.00
2	Meter Module - Digital	ISSBOU0711	18395.00	ISSBOU0707	19395.00

Bare Meter Module / MCB Module / Add on Module

HSN Code: 8537

S. No.	Description	Single Door Cat. No.	List Price in ₹ Per Unit	Double Door Cat. No.	List Price in ₹ Per Unit
1	Meter Module - Analog Provision for Ammeter, Voltmeter - Analog with selector switch	ISSBOU0686	5760.00	ISSBOU0703	6650.00
2	MCB Module	ISSBOU0687	5760.00	ISSBOU0704	6650.00
3	Add on Module	ISSBOU0688	5760.00	ISSBOU0705	6650.00

* 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	Cat. No.	List Price in ₹ Per Unit
1	250 A Incoming change Over switch-F1	ISSBOU0708	10950.00
2	400 A & 630 A Incoming change Over switch - F2	ISSBOU0709	16085.00
3	800 A Incoming change Over switch - F3	ISSBOU0710	18820.00

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

Add on Incoming Changeover Switch with Enclosure

HSN Code: 8537

S. No.	Description	Cat. No.	List Price in ₹ Per Unit
1	250 A Incoming change Over switch-F1	ISSBOU0712	43575.00
2	400 A Incoming change Over switch - F2	ISSBOU0713	57750.00
3	630 A Incoming change Over switch - F3	ISSBOU0714	64575.00





On-Load Changeover Switch I-O-II

HSN Code: 8536

Frame Size	Current Rating (A)	Open Execution Cat. Code	List Price in ₹ Per Unit	SS Enclosure Cat. Code	List Price in ₹ Per Unit
00	040	IHCNFO0040	4275.00	IHCNFE0040	5995.00
00	063	IHCNFO0063	4495.00	IHCNFE0063	6385.00
00	080	IHCNFO0080	5860.00	IHCNFE0080	7495.00
00	100	IHCNFO0100	6025.00	IHCNFE0100	8045.00

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 (A)	Open Execution Cat. Code	List Price in ₹ Per Unit	SS Enclosure Cat. Code	List Price in ₹ Per Unit
0	125	IHCNFO0125	9005.00	IHCNFE0125	12065.00
0	160	IHCNFO0160	9645.00	IHCNFE0160	12850.00
0	200	IHCNFO0200	11570.00	IHCNFE0200	14810.00
1	250	IHCNFO0250	16735.00	IHCNFE0250	20480.00
1	320	IHCNFO0320	17680.00	IHCNFE0320	21420.00
2	400	IHCNFO0400	25555.00	IHCNFE0400	31520.00
2	630	IHCNFO0630	30360.00	IHCNFE0630	36470.00
3	800	IHCNFO0800	45445.00	IHCNFE0800	54015.00
4	1000	IHCNFO1000	77405.00	IHCNFE1000	98445.00
4	1250	IHCNFO1250	102765.00	IHCNFE1250	131805.00
4	1600	IHCNFO1600	122390.00	IHCNFE1600	176995.00
5	2000	IHCNFO2000	189620.00	IHCNFE2000	233205.00
5	2500	IHCNFO2500	251500.00	IHCNFE2500	297735.00
5	3150	IHCNFO3150	344310.00	IHCNFE3150	403355.00

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 Cat. Code	List Price in ₹ Per Unit
00	063	IHCBFO0063	8465.00
00	100	IHCBFO0100	9980.00



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 Cat. Code	List Price in ₹ Per Unit
0	125	IHCBFO0125	12715.00
0	160	IHCBFO0160	15150.00
0	200	IHCBFO0200	16165.00
1	250	IHCBFO0250	22000.00
1	320	IHCBFO0320	23550.00
2	400	IHCBFO0400	32030.00
2	630	IHCBFO0630	41610.00
3	800	IHCBFO0800	60555.00
3	1000	IHCBFO1000	92785.00
3	1600	IHCBFO1600	157230.00

Accessories:

HSN Code: 8538

Aux. Contact	Cat. No.	List Price in ₹ Per Unit
1 NO. 1 NC.	IHCNFACT1CO	325.00
2 NO. 2 NC.	IHCNFACT2CO	435.00

Industrial Switchgear

Instaline Automatic Transfer Switch

(Conforms to IS/IEC:60947-6-1)

HAVELLS

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



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

HSN Code: 8537

Rating A	Cat. No. 3P	List Price in ₹ Per Unit 3P	Cat. No. 4P	List Price in ₹ Per Unit 4P
Open Execution				
100	IHYTCDO100	36260.00	IHYFCDO100	40450.00
125	IHYTCDO125	40840.00	IHYFCDO125	45565.00
160	IHYTCDO160	47610.00	IHYFCDO160	51690.00
200	IHYTCDO200	64830.00	IHYFCDO200	69280.00
250	IHYTCDO250	70635.00	IHYFCDO250	75480.00
315	IHYTCDO315	76865.00	IHYFCDO315	81220.00
400	IHYTCDO400	88905.00	IHYFCDO400	92985.00
500	IHYTCDO500	105580.00	IHYFCDO500	110410.00
630	IHYTCDO630	117315.00	IHYFCDO630	121700.00
With Enclosure				
100	IHYTCDE100	41430.00	IHYFCDE100	45645.00
125	IHYTCDE125	46010.00	IHYFCDE125	50760.00
160	IHYTCDE160	53480.00	IHYFCDE160	57635.00
200	IHYTCDE200	71020.00	IHYFCDE200	75555.00
250	IHYTCDE250	75450.00	IHYFCDE250	80295.00
315	IHYTCDE315	81685.00	IHYFCDE315	86040.00
400	IHYTCDE400	99875.00	IHYFCDE400	104030.00
500	IHYTCDE500	116940.00	IHYFCDE500	121870.00
630	IHYTCDE630	128905.00	IHYFCDE630	133375.00

Automatic Transfer Switch without Controller
HSN Code: 8537

Rating A	Cat. No.	List Price in ₹ Per Unit Four Pole
Open Execution		
100	IHYFNAO100	24810.00
125	IHYFNAO125	26325.00
160	IHYFNAO160	35970.00
200	IHYFNAO200	51095.00
250	IHYFNAO250	58895.00
315	IHYFNAO315	63370.00
400	IHYFNAO400	78595.00
500	IHYFNAO500	94910.00
630	IHYFNAO630	104620.00



Three Pole, 415 V

HSN Code: 8536

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



Euroload Switch Disconnecter

Four Pole, 415 V

HSN Code: 8536

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



Switch Disconnecter Fuse (Panel Mounting Cubicle Type)

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

Rating A	Cat. No.	List Price in ₹ Per Unit	Cat. No.	List Price in ₹ Per Unit	HBC Fuse Type
	Open Execution with Fuses		In Sheet Steel Encl. with Fuses		
32	IHKDDF4032	1650.00	IHKDDW4032	2290.00	IHHTIA0032
63	IHKDDF4063	2370.00	IHKDDW4063	3000.00	IHHTSS0063
100	IHKDDF4100	4720.00	IHKDDW4100	5385.00	IHHTSD0100
125	IHKDDF4125	4840.00	IHKDDW4125	5460.00	IHHTSD0125



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

Rating A	Cat. No.	List Price in ₹ Per Unit	Cat. No.	List Price in ₹ Per Unit	HBC Fuse Type
	Open Execution with Fuses		In Sheet Steel Encl. with Fuses		
32	IHKFDF4032	1900.00	IHKFDW4032	2485.00	IHHCD00032
63	IHKFDF4063	2475.00	IHKFDW4063	3090.00	IHHCD00063
100	IHKFDF4100	4860.00	IHKFDW4100	5545.00	IHHCD00100
125	IHKFDF4125	4985.00	IHKFDW4125	5625.00	IHHCD00125

Kompact *plus* Switch Disconnecter Fuse (Panel Mounting Cubicle Type)

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

Rating A	Cat. No.	List Price in ₹ Per Unit	Cat. No.	List Price in ₹ Per Unit	HBC Fuse Type
	Open Execution with Fuses		In Sheet Steel Encl. with Fuses		
32	IHKDTF4032	1830.00	IHKDTW4032	3315.00	IHHTIA0032
63	IHKDTF4063	2550.00	IHKDTW4063	4015.00	IHHTSS0063
100	IHKDTF4100	5305.00	IHKDTW4100	6735.00	IHHTSD0100
125	IHKDTF4125	5665.00	IHKDTW4125	7100.00	IHHTSD0125



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

Rating A	Cat. No.	List Price in ₹ Per Unit	Cat. No.	List Price in ₹ Per Unit	HBC Fuse Type
	Open Execution with Fuses		In Sheet Steel Encl. with Fuses		
32	IHKFTF4032	2190.00	IHKFTW4032	3620.00	IHHCD00032
63	IHKFTF4063	2820.00	IHKFTW4063	4300.00	IHHCD00063
100	IHKFTF4100	5465.00	IHKFTW4100	6935.00	IHHCD00100
125	IHKFTF4125	5835.00	IHKFTW4125	7315.00	IHHCD00125

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

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

Rating A	Cat. No.	List Price in ₹ Per Unit	Cat. No.	List Price in ₹ Per Unit	HBC Fuse Type
	Open Execution with 3 Fuses		In Sheet Steel Encl. with 3 Fuses		
160	IHFSTF4160	7060.00	IHFSTW4160	9775.00	IHHTSF0160
200	IHFSTF4200	8190.00	IHFSTW4200	10770.00	IHHTSF0200
250	IHFSTF4250	9930.00	IHFSTW4250	12460.00	IHHTSF0250
320	IHFSTF4320	13430.00	IHFSTW4320	16585.00	IHHTSK0315
400	IHFSTF4400	15460.00	IHFSTW4400	18530.00	IHHTSMF400
630	IHFSTF4630	27580.00	IHFSTW4630	31475.00	IHHTLM0630
800	IHFSTF4800*	32025.00	IHFSTW4800*	35925.00	IHHTLM0800



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

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

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

Rating A	Cat. No.	List Price in ₹ Per Unit	Cat. No.	List Price in ₹ Per Unit	HBC Fuse Type
	Open Execution with 3 Fuses		In Sheet Steel Encl. with 3 Fuses		
160	IHFKTF4160	7560.00	IHFKTW4160	10070.00	IHHCD01160
200	IHFKTF4200	8435.00	IHFKTW4200	11095.00	IHHCD01200
250	IHFKTF4250	10230.00	IHFKTW4250	12835.00	IHHCD01250
320	IHFKTF4320	14310.00	IHFKTW4320	17460.00	IHHCD02315
400	IHFKTF4400	15925.00	IHFKTW4400	19085.00	IHHCD02400
630	IHFKTF4630	25655.00	IHFKTW4630	29635.00	IHHCD03630
800	IHFKTF4800*	28915.00	IHFKTW4800*	32825.00	

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

* IHFKTF4800 & IHFKTW4800 available without Fuse Link

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

Rating A	Cat. No.	List Price in ₹ Per Unit	Cat. No.	List Price in ₹ Per Unit	HBC Fuse Type
	Open Execution with 4 Fuses		In Sheet Steel Encl. with 4 Fuses		
32	IHKDFF4032	2430.00	IHKDFW4032	3965.00	IHHTIA0032
63	IHKDFF4063	3095.00	IHKDFW4063	4690.00	IHHTSS0063
100	IHKDFF4100	6230.00	IHKDFW4100	7665.00	IHHTSD0100
125	IHKDFF4125	6345.00	IHKDFW4125	7770.00	IHHTSD0125

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

Rating A	Cat. No.	List Price in ₹ Per Unit	Cat. No.	List Price in ₹ Per Unit	HBC Fuse Type
	Open Execution with 4 Fuses		In Sheet Steel Encl. with 4 Fuses		
32	IHKFFF4032	2865.00	IHKFFW4032	4335.00	IHHCD00032
63	IHKFFF4063	3365.00	IHKFFW4063	4830.00	IHHCD00063
100	IHKFFF4100	6415.00	IHKFFW4100	7895.00	IHHCD00100
125	IHKFFF4125	6535.00	IHKFFW4125	8005.00	IHHCD00125



Kompact-EZO Switch Disconnecter Fuse Unit

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

Rating A	Cat. No.	List Price in ₹ Per Unit	Cat. No.	List Price in ₹ Per Unit	HBC Fuse Type
	Open Execution with 4 Fuses		In Sheet Steel Encl. with 4 Fuses		
160	IHFSTF4160	9115.00	IHFSTW4160	11560.00	IHHTSF0160
200	IHFSTF4200	9520.00	IHFSTW4200	12110.00	IHHTSF0200
250	IHFSTF4250	11030.00	IHFSTW4250	13490.00	IHHTSF0250
320	IHFSTF4320	14805.00	IHFSTW4320	17720.00	IHHTSK0315
400	IHFSTF4400	16500.00	IHFSTW4400	19940.00	IHHTSMF400
630	IHFSTF4630	30220.00	IHFSTW4630	34205.00	IHHTLM0630
800	IHFSTF4800*	34950.00	IHFSTW4800*	38930.00	IHHTLM0800

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

Rating A	Cat. No.	List Price in ₹ Per Unit	Cat. No.	List Price in ₹ Per Unit	HBC Fuse Type
	Open Execution with 4 Fuses		In Sheet Steel Encl. with 4 Fuses		
160	IHFKFF4160	9390.00	IHFKFW4160	11905.00	IHHCD01160
200	IHFKFF4200	10275.00	IHFKFW4200	12925.00	IHHCD01200
250	IHFKFF4250	11030.00	IHFKFW4250	13490.00	IHHCD01250
320	IHFKFF4320	14805.00	IHFKFW4320	17720.00	IHHCD02315
400	IHFKFF4400	16500.00	IHFKFW4400	19940.00	IHHCD02400
630	IHFKFF4630	30220.00	IHFKFW4630	34205.00	IHHCD03630
800	IHFKFF4800*	34950.00	IHFKFW4800*	38930.00	

Note:- * All switch disconnecter 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



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.	List Price in ₹ Per Unit
		Wall Mounted	
63	4 WAY	IHBC006304	6585.00
	6 WAY	IHBC006306	7685.00
	8 WAY	IHBC006308	8850.00
100	4 WAY	IHBC010004	7915.00
	6 WAY	IHBC010006	10950.00
	8 WAY	IHBC010008	11510.00
200	4 WAY	IHBC020004	9895.00
	6 WAY	IHBC020006	12810.00
	8 WAY	IHBC020008	13980.00
250	4 WAY	IHBC025004	16380.00
	6 WAY	IHBC025006	25780.00
	8 WAY	IHBC025008	32240.00
315	4 WAY	IHBC031504	17115.00
	6 WAY	IHBC031506	26520.00
	8 WAY	IHBC031508	33895.00
400	4 WAY	IHBC040004	18490.00
	6 WAY	IHBC040006	27895.00
	8 WAY	IHBC040008	35075.00
630	4 WAY	IHBC063004	28320.00
	6 WAY	IHBC063006	37570.00
	8 WAY	IHBC063008	45190.00
800	4 WAY	IHBC080004	30120.00
	6 WAY	IHBC080006	40145.00
	8 WAY	IHBC080008	50825.00

For higher Ratings please contact nearest branch office.

Bolted Type

HSN Code: 8536

IS Size	Tag Type	BS Type	Rated Voltage (V) AC	Breaking Capacity (kA)	Rating (A)	Cat No.	List Price in ₹ Per Unit/s	STD Packing No. of unit/s					
F-1	Offset	NS	415	80	2	IHHNS00002	47.00	20 N					
					4	IHHNS00004	47.00						
					6	IHHNS00006	47.00						
					10	IHHNS00010	47.00						
										16	IHHNS00016	47.00	20 N
										20	IHHNS00020	55.00	
										25	IHHNS00025	55.00	
										32	IHHNS00032	55.00	
A-2	Offset	TIA	415	80	6	IHHTIA0006	70.00	10 N					
					10	IHHTIA0010	70.00						
					16	IHHTIA0016	70.00						
					20	IHHTIA0020	70.00						
					25	IHHTIA0025	70.00						
					32	IHHTIA0032	70.00						
A-3	Offset	TSS	415	80	36	IHHTSS0036	85.00	10 N					
					50	IHHTSS0050	85.00						
					63	IHHTSS0063	85.00						
A-4	Offset	TSD	415	80	80	IHHTSD0080	180.00	10 N					
					100	IHHTSD0100	180.00						
					125	IHHTSD0125	180.00						
B-1	Central	TSDC	415	80	80	IHHTSDC080	185.00	10 N					
					100	IHHTSDC100	185.00						
					125	IHHTSDC125	185.00						
B-2	Central	TSF	415	80	125	IHHTSF0125	275.00	10 N					
					160	IHHTSF0160	275.00						
					200	IHHTSF0200	275.00						
					250	IHHTSF0250	300.00	10 N					
B-3	Central	TSK	415	80	225	IHHTSK0225	390.00	3 N					
					250	IHHTSK0250	390.00						
					300	IHHTSK0300	390.00						
					315	IHHTSK0315	390.00						
B - 4	Central	TSMF	415	80	400	IHHTSMF400	745.00	3 N					
C - 1	Central	TSMS	415	80	400	IHHTSMS400	745.00	3 N					
C - 2	Central	TTS	415	80	400	IHHTTS0400	845.00	1 N					
					500	IHHTTS0500	845.00						
C - 2	Central	TTM	415	80	400	IHHTTM0400	1145.00	1 N					
					500	IHHTTM0500	1145.00						
C - 2	Central	TLM	415	80	630	IHHTLM0630	1500.00	1 N					
C - 2	Central	TLM	415	80	800	IHHTLM0800	1670.00	1 N					



Industrial Switchgear

HiBreak HBC Fuse Link

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

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as per Regular Terms & Conditions

DIN Type

HSN Code: 8536

IS Size	Rated Voltage (V) AC	Breaking Capacity (kA)	Rating (A)	Cat No.	List Price in ₹ Per Unit/s	STD Packing No. of unit/s			
000	415	80	6	IHHCD11006	210.00	3 N			
			10	IHHCD11010	210.00				
			16	IHHCD11016	210.00				
			20	IHHCD11020	210.00				
			25	IHHCD11025	210.00				
			32	IHHCD11032	210.00				
						40	IHHCD11040	215.00	3 N
						50	IHHCD11050	215.00	
						63	IHHCD11063	215.00	
						80	IHHCD11080	215.00	
			100	IHHCD11100	215.00				
			6	IHHCD00006	220.00	3 N			
			10	IHHCD00010	220.00				
			16	IHHCD00016	220.00				
			20	IHHCD00020	220.00				
			25	IHHCD00025	220.00				
			32	IHHCD00032	220.00				
00	415	80	40	IHHCD00040	230.00	3 N			
			50	IHHCD00050	230.00				
			63	IHHCD00063	230.00				
						80	IHHCD00080	245.00	3 N
						100	IHHCD00100	245.00	
						125	IHHCD00125	285.00	3 N
			160	IHHCD00160	305.00	3 N			
01	415	80	32	IHHCD01032	445.00	3 N			
			40	IHHCD01040	445.00				
			50	IHHCD01050	445.00				
			63	IHHCD01063	445.00				
			80	IHHCD01080	445.00				
			100	IHHCD01100	445.00				
						125	IHHCD01125	445.00	
						160	IHHCD01160	455.00	3 N
						200	IHHCD01200	455.00	
			250	IHHCD01250	525.00	3 N			
02	415	80	200	IHHCD02200	690.00	1 N			
			250	IHHCD02250	690.00				
			315	IHHCD02315	690.00				
						350	IHHCD02350	740.00	1 N
						400	IHHCD02400	740.00	
03	415	80	425	IHHCD03425	1045.00	1 N			
						500	IHHCD03500	1065.00	1 N
						630	IHHCD03630	1065.00	



RH Type

HSN Code: 8536

Rated Voltage (V) AC	Breaking Capacity (kA)	Rating (A)	Cat No.	List Price in ₹ Per Unit/s	STD Packing No. of unit/s
415	80	2	IHHRH00002	90.00	20 N
		4	IHHRH00004	90.00	
		6	IHHRH00006	90.00	
		10	IHHRH00010	90.00	
		16	IHHRH00016	90.00	20 N
		20	IHHRH00020	90.00	
		25	IHHRH00025	90.00	
		32	IHHRH00032	90.00	
		40	IHHRH00040	100.00	20 N
		50	IHHRH00050	185.00	20 N
63	IHHRH00063	195.00	20 N		



DIN Fuse Bases (Fixed Type)

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

HSN Code: 8536

Rated A	Cat. No.	Type	Fuse Type	List Price in ₹ Per Unit/s	STD Packing No. of unit/s
100 A	IHUC000100	Open Type Fuse Base	CD-00	275.00	6 N
125 A	IHUC000125	Open Type Fuse Base	CD-00	285.00	6 N
160 A	IHUC000160	Open Type Fuse Base	CD-00	305.00	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	Cat. No.	Type	Fuse Type	List Price in ₹ Per Unit/s	STD Packing No. of unit/s
250 A	IHIC010250	Open Type Fuse Base	CD-1	535.00	3 N
400 A	IHIC020400	Open Type Fuse Base	CD-2	830.00	3 N
630 A	IHIC030630	Open Type Fuse Base	CD-3	1065.00	3 N





Motor Controlgear



Control Relay with AC Coil

HSN Code: 8536

Frame size	I _{th}	Contact arrangement		Type	Cat. No	List Price in ₹ Per Unit
		NO	NC			
1	10 A	2.00	2	CRN1-22*	IHACR22*	995.00
		3	1	CRN1-31*	IHACR31*	995.00
		4	0	CRN1-40*	IHACR40*	995.00

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



Contactor 3-Pole with AC Coil (9 A to 95 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	Cat. No	List Price in ₹ Per Unit
	I _e A	kW	HP	I _{th} A		NO	NC			
1	9	4	5.0	25	3	1	0	CN1 09 T10*	IHPAA009110*	785.00
	9	4	5.0	25	3	0	1	CN1 09 T01*	IHPAA009101*	785.00
	12	5.5	7.5	25	3	1	0	CN1 12 T10*	IHPAA012110*	895.00
	12	5.5	7.5	25	3	0	1	CN1 12 T01*	IHPAA012101*	895.00
2	18	9	12.5	32	3	1	0	CN2 18 T10*	IHPAA018210*	1035.00
	18	9	12.5	32	3	0	1	CN2 18 T01*	IHPAA018201*	1035.00
3	25	11	15	40	3	1	0	CN3 25 T10*	IHPAA025310*	1315.00
	25	11	15	40	3	0	1	CN3 25 T01*	IHPAA025301*	1315.00
4	32	15	20	50	3	1	0	CN4 32 T10*	IHPAA032410*	2815.00
	32	15	20	50	3	0	1	CN4 32 T01*	IHPAA032401*	2815.00
5	40	22	30	60	3	1	1	CN5 40 T11*	IHPAA040511*	4160.00
	50	25	35	80	3	1	1	CN5 50 T11*	IHPAA050511*	5225.00
	65	37	50	80	3	1	1	CN5 65 T11*	IHPAA065511*	6715.00
6	80	45	60	125	3	1	1	CN6 80 T11*	IHPAA080611*	8490.00
	95	45	60	125	3	1	1	CN6 95 T11*	IHPAA095611*	10340.00

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

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



AC Coil : Table-1

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



Contactor 3-Pole with AC coil (115 A to 630 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	Type	Cat. No	List Price in ₹ Per Unit
	I _e A	kW	HP	I _{th} A				
1	115	59	75	200	3	CH1 115 T*	IHPAA115100*	13250.00
	150	80	100	250	3	CH1 150 T*	IHPAA150100*	17665.00
2	185	100	125	275	3	CH2 185 T*	IHPAA185200*	21995.00
	225	110	150	315	3	CH2 225 T*	IHPAA225200*	23940.00
3	265	132	180	350	3	CH3 265 T*	IHPAA265300*	27555.00
4	330	180	220	400	3	CH4 330 T*	IHPAA330400*	34440.00
5	400	220	270	500	3	CH5 400 T*	IHPAA400500*	41325.00
6	500	280	340	700	3	CH6 500 T*	IHPAA500600*	57395.00
7	630	375	450	1000	3	CH7 630 T*	IHPAA630700*	84765.00



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

HSN Code: 8536

Frame Size	AC-1 Duty Rating at 415 V, 50 Hz	Power Poles	Type	Cat. No	List Price in ₹ Per Unit
	I _{th} A				
1	25	4	CN1 12 F*	IHPAC012100*	1155.00
3	40	4	CN3 25 F*	IHPAC025300*	1825.00
5	60	4	CN5 40 F*	IHPAC040500*	4400.00
	80	4	CN5 65 F*	IHPAC065500*	6325.00
6	125	4	CN6 95 F*	IHPAC095600*	9580.00



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

HSN Code: 8536

Frame Size	AC-1 Duty Rating at 415 V, 50 Hz	Power Poles	Type	Cat. No	List Price in ₹ Per Unit
	I _{th} A				
1	200	4	CH1 115 F*	IHPAC115100*	18240.00
	250	4	CH1 150 F*	IHPAC150100*	20060.00
2	275	4	CH2 185 F*	IHPAC185200*	30515.00
	315	4	CH2 225 F*	IHPAC225200*	32580.00
3	350	4	CH3 265 F*	IHPAC265300*	34760.00
4	400	4	CH4 330 F*	IHPAC330400*	42235.00
5	500	4	CH5 400 F*	IHPAC400500*	52290.00
6	700	4	CH6 500 F*	IHPAC500600*	72045.00
7	1000	4	CH7 630 F*	IHPAC630700*	108260.00



*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.
 2. Non standard coil voltages are supplied on request.

AC Coil

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



Add on Accessories: Auxiliary Contact Block

HSN Code: 8538

Description	Suitable for Mounting on Contactors	Contact Configuration		Type	Cat No.	List Price in ₹ Per Unit
		NO	NC			
Side Block	CN Frame size 1-6 9 A - 95 A 3P / 4P	1	1	CAS11	ISPNASM611	405.00
		2	0	CAS20	ISPNASM620	405.00
Front Block	CN/CD Frame size 1-6 9 A - 95 A, 3P / 4P & CH Frame Size 1-7 115 A - 630 A, 3P / 4P	1	1	CAF11	ISPNAFM711	330.00
		2	2	CAF22	ISPNAFM722	405.00
		3	1	CAF31	ISPNAFM731	405.00
		4	0	CAF40	ISPNAFM740	405.00



Add on Accessories: Pneumatic Timer Block

HSN Code: 8538

ON Delay	Suitable for Mounting on Contactors	Type	Cat No.	List Price in ₹ Per Unit
0.1 -3s	CN / CD / CH 9 A - 630 A	CPT1A	IHNN4000	1445.00
0.1-30s		CPT1B	IHNN5000	1445.00
10-180s		CPT1C	IHNN6000	1445.00



Add on Accessories: Pneumatic Timer Block

HSN Code: 8538

OFF Delay	Suitable for Mounting on Contactors	Type	Cat No.	List Price in ₹ Per Unit
0.1 -3s	CN / CD / CH 9 A - 630 A	CPT2A	IHNF4000	1445.00
0.1-30s		CPT2B	IHNF5000	1445.00
10-180s		CPT2C	IHNF6000	1445.00



Capacitor Duty Contactor 3-Pole with AC Coil

HSN Code: 8536

kVAR Rating at 50/60 Hz 0 ≤ 55° C	Inst. Aux. Contact		Type	Cat. No.	List Price in ₹ Per Unit
	NO	NC			
415 V / 440 V					
12	1	0	CC2 1210*	IHPAE012210*	2305.00
18	1	0	CC3 1810*	IHPAE018310*	3250.00
20	1	0	CC4 2010*	IHPAE020410*	3595.00
30	1	1	CC5 3011*	IHPAE030511*	6480.00
50	1	1	CC6 5011*	IHPAE050611*	11810.00



* 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	24 V	48 V	110 V	220 V	240 V	380 V	415 V	550 V



Thermal Over Load Relay (Auto/ Manual Reset)

HSN Code: 8536

Relay Frame size	Relay Range (A)	Suitable for Contactor Frame size	Type	Cat. No.	List Price in ₹ Per Unit	Individual Mounting Block
1	0.1-0.16	CN1 to CN4	RT21A	IHNR 11AA	1025.00	 Type RTA2-25 Cat No. ISSTRX024025 Unit LP ₹ 195.00
	0.16-0.25		RT21B	IHNR 11AB	1025.00	
	0.25-0.4		RT21C	IHNR 11AC	1025.00	
	0.4-0.63		RT21D	IHNR 11AD	1025.00	
	0.63 -1		RT21E	IHNR 11AE	1025.00	
	1-1.6		RT21F	IHNR 11AF	1025.00	
	1.6-2.5		RT21G	IHNR 11AG	1025.00	
	2.5-4		RT21H	IHNR 11AH	1025.00	
	4-6		RT21J	IHNR 11AJ	1025.00	
	5.5-8		RT21K	IHNR11AK	1025.00	
	7-10		RT21L	IHNR 11AL	1025.00	
	9-13		RT21M	IHNR 11AM	1025.00	
	12-18		RT21N	IHNR 11AN	1215.00	
	17-25		RT21P	IHNR 11AP	1215.00	
	2		23-32	CN4	RT22Q	
28-36		RT22R	IHNR22AR		1795.00	
3	23-32	CN5 to CN6	RT23T	IHNR33AT	1985.00	 Type RTA2-93 Cat No. ISSTRX024293 Unit LP ₹ 1100.00
	30-40		RT23U	IHNR33AU	1985.00	
	37-50		RT23V	IHNR33AV	2420.00	
	48-65		RT23W	IHNR33AW	3180.00	
	55-70		RT23X	IHNR33AX	3180.00	
	63-80		RT23Y	IHNR33AY	3385.00	
	80-93		RT23Z	IHNR33AZ	3475.00	



Thermal Over Load Relay (Manual Reset)

HSN Code: 8536

Relay Frame size	Relay Range (A)	Suitable for Contactor Frame size	Type	Cat. No.	List Price in ₹ Per Unit	Individual Mounting Block
1	0.1- 0.16	CN 1 to CN 4	RT11A	IHNR11MA	970.00	 Type RTA1-25 Cat No. ISSTRX024325 Unit LP ₹ 175.00
	0.16-0.25		RT11B	IHNR11MB	970.00	
	0.25-0.4		RT11C	IHNR11MC	970.00	
	0.4-0.63		RT11D	IHNR11MD	970.00	
	0.63-1		RT11E	IHNR11ME	970.00	
	1-1.6		RT11F	IHNR11MF	970.00	
	1.6-2.5		RT11G	IHNR11MG	970.00	
	2.5-4		RT11H	IHNR11MH	970.00	
	4-6		RT11J	IHNR11MJ	970.00	
	5.5-8		RT11K	IHNR11MK	970.00	
	7-10		RT11L	IHNR11ML	970.00	
	10-13		RT11M	IHNR11MM	970.00	
	13-18		RT11N	IHNR11MN	1120.00	
	18-25		RT11P	IHNR11MP	1120.00	
2	23-32	CN 5 to CN 6	RT12Q	IHNR22MQ	1665.00	 Type RTA1-80 Cat No. ISSTRX024480 Unit LP ₹ 325.00
	30-40		RT12R	IHNR22MR	1665.00	
3	38-50	CN 5 to CN 6	RT13V	IHNR33MV	2000.00	
	48-57		RT13W	IHNR33MW	2725.00	
	57-66		RT13X	IHNR33MX	3155.00	
	63-80		RT13Y	IHNR33MY	3455.00	



Cosmic Star - Direct Online Starter

HSN Code: 8536

HP	kW	Contactor Rating	Overload Relay Range (A)	Cat. No.	List Price in ₹ Per Unit
0.75	0.6	12	1-1.6	IHPDOLFA*A	2230.00
1	0.7	12	1.6-2.5	IHPDOLGA*B	2230.00
2	1.5	12	2.5-4	IHPDOLHA*C	2230.00
3	2.2	12	4-6	IHPDOLJA*D	2230.00
5	3.7	12	7-10	IHPDOLLA*E	2535.00
7.5	5.6	18	10-13	IHPDOLMB*F	2635.00
10	7.5	18	13-18	IHPDOLNB*G	2635.00
15	11.2	32	18-25	IHPDOLPD*H	3655.00
20	14.9	32	23-32	IHPDOLQD*J	6905.00
25	18.7	40	30-40	IHPDOLVE*	8885.00
30	22.4	50	38-50	IHPDOLWE*	10195.00
40	29.8	65	57-66	IHPDOLYF*	11690.00
50	37.3	80	63-80	IHPDOLZF*	14875.00
60	44.8	95	80-93	IHPDOLDG*	15405.00
75	56.0	115	90-150	IHPDOLDG*A	22310.00
85	63.4	150	90-150	IHPDOLDG*B	25285.00
100	74.6	150	132-220	IHPDOLEH*	27720.00



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

HSN Code:8536

HP	kW	Contactor Size	Overload Relay Range (A)	Cat. No.	List Price in ₹ Per Unit
10	7.5	18	9.0-13	IHPASDMB*	7725.00
12.5	9.3	18	12.0-18	IHPASDNB*	7835.00
15	11.2	25	12.0-18	IHPASDNC*	8160.00
20	14.9	25	17-25	IHPASDPD*	9610.00
25	18.7	32	17-25	IHPASDQD*	10450.00
30	22.4	32	23-32	IHPASDQD*A	11660.00
35	26.1	32	28-36	IHPASDUE*	15975.00
50	37.3	50	37-50	IHPASDWE*	28325.00
60	44.8	50	48-65	IHPASDWF*	31235.00
75	56.0	65	55-70	IHPASDYF*	37620.00
90	67.1	80	63-80	IHPASDCG*	44620.00
100	74.6	95	80-93	IHPASDDG*	55375.00
125	93.3	115	90-150	IHPASDDG*A	76460.00
150	111.9	150	90-150	IHPASDEH*	77425.00



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

AC Coils

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

Industrial Switchgear

Submersible Motor Starters

HAVELLS

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

Cosmic Star - Reversing Starter

HSN Code: 8536

HP	kW	Contactor Size	Overload Relay Range (A)	Cat. No.	List Price in ₹ Per Unit
2	1.5	18	2.5-4	IHPREVBH*	7730.00
3	2.2	18	4.0-6.0	IHPREVJB*	7730.00
5	3.7	18	7.0-10	IHPREVLB*	7730.00
7.5	5.6	18	10.0-13	IHPREVMB*	7730.00
10	7.5	18	13-18	IHPREVN B*	9225.00
15	11.2	32	18-25	IHPREVPD*	10600.00
20	14.9	32	28-36	IHPREVRD*	12125.00



AC Coils

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

Cosmic Star - Direct On Line Submersible Pump Starter

HSN Code: 8536

HP	kW	Contactor Size	Overload Relay Range (A)	Cat. No.	List Price in ₹ Per Unit
1	0.75	18	1.6-2.5	IHSDOAGB*A	7175.00
2	1.5	18	2.5-4	IHSDOAHB*A	7175.00
3	2.2	18	5.5-8	IHSDOAKB*A	7175.00
5	3.7	18	9-13	IHSDOAMB*A	7175.00
7.5	5.5	18	12-18	IHSDOANB*A	7520.00
10	7.5	25	17-25	IHSDOAPC*A	7790.00
12.5	9.3	32	17-25	IHSDOAPD*A	7905.00
15	11	32	23-32	IHSDOAQD*A	8750.00



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

Cosmic Star

Standard Automatic Star Delta Submersible Pump Starter

HSN Code: 8536

HP	kW	Contactor Size	Overload Relay Range (A)	Cat. No.	List Price in ₹ Per Unit
5	3.7	18	5.5-8	IHSASAK2*E	14105.00
7.5	5.5	18	7-10	IHSASAL2*E	14105.00
10	7.5	18	9-13	IHSASAM2*E	14360.00
12.5	9.3	18	12-18	IHSASAN2*E	14720.00
15	11	25	17-25	IHSASAP3*E	14960.00
17.5	13.1	32	17-25	IHSASAP4*E	15345.00
20	15	32	17-25	IHSASAP4*A	15905.00
22.5	16.8	32	23-32	IHSASAQ4*E	20110.00
25	19	32	23-32	IHSASAQ4*A	20110.00
27.5	20.5	40	30-40	IHSASAU5*E	25365.00
30	22.4	50	30-40	IHSASAU5*A	26010.00
35	26.1	50	37-50	IHSASAV5*E	26360.00
40	29.8	65	37-50	IHSASAV5*A	29385.00
45	33.6	80	48-65	IHSASAW6*E	37145.00
50	37.5	95	55-70	IHSASA1F*T	48320.00



• 200 V - 400 V coil voltage is available only upto 25 HP

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

AC Coils

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

Cosmic Star Deluxe Automatic Star Delta Submersible Pump Starter

HSN Code: 8536

HP	kW	Contactors Size	Overload Relay Range (A)	Cat. No.	List Price in ₹ Per Unit
5	3.7	18	5.5-8	IHDASAK2*E	14185.00
7.5	5.5	18	7-10	IHDASAL2*E	14185.00
10	7.5	18	9-13	IHDASAM2*E	14565.00
12.5	9.3	18	12-18	IHDASAN2*E	14930.00
15	11	25	17-25	IHDASAP3*E	15750.00
17.5	13.1	32	17-25	IHDASAP4*E	16155.00
20	15	32	17-25	IHDASAP4*A	16650.00
22.5	16.8	32	23-32	IHDASAQ4*E	17890.00
25	19	32	23-32	IHDASAQ4*A	17890.00
27.5	20.5	40	30-40	IHDASAU5*E	26770.00
30	22.4	50	30-40	IHDASAU5*A	28595.00
35	26.1	50	37-50	IHDASAV5*E	28965.00
40	29.8	65	37-50	IHDASAV5*A	32125.00
45	33.6	80	48-65	IHDASAW6*E	40230.00
50	37.5	95	55-70	IHDASA1F*T	51875.00

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

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

Street Light Panel

HSN Code: 8537

Phase	Frame Size	Max. Load (kW)	Timer	Contactors Rating (A)	MCB Rating	SAP Code	List Price in ₹ Per Unit
3	1	6	Digital 24 hour	32 / TP	40 / TPN	IHXTS03060	20445.00
	1	6	Astronomical	32 / TP	40 / TPN	IHXTS0306A	20445.00
	2	12	Digital 24 hour	65 / TP	63 / TPN	IHXTS09120	29730.00
	2	12	Astronomical	65 / TP	63 / TPN	IHXTS0912A	29730.00
1	1	6	Digital 24 hour	32 / TP	40 / SPN	IHXSS01060	15330.00
	1	6	Astronomical	32 / TP	40 / SPN	IHXSS0106A	15330.00
	1	12	Digital 24 hour	65 / TP	63 / SPN	IHXSS03120	23035.00
	1	12	Astronomical	65 / TP	63 / SPN	IHXSS0312A	23035.00





General Purpose

Switchgear



Onload Changeover Switch - AC 23 (side handle)

in sheet enclosure, 415 Vac, 50 Hz.

HSN Code: 8536

Rating Ampere (A)	Cat. No.	List Price in ₹ Per Unit
	Double Pole	
32 A	IHBFDE0032 (240 Vac)	1860.00
63 A	IHBFDE0063 (240 Vac)	3595.00
	Four Pole	
32 A	IHBFFE0032	3325.00
63 A	IHBFFE0063	6680.00
100 A	IHBFFE0100	13350.00



Offload Changeover Switch- AC 21 (side handle)

in sheet enclosure, 415 Vac, 50 Hz.

HSN Code: 8536

Rating Ampere (A)	Cat. No.	List Price in ₹ Per Unit
	Four Pole	
200 A	IHBFFE0200	20100.00
320 A	IHBFFE0320	24670.00
400 A	IHBFFE0400	32235.00
630 A	IHBFFE0630	50395.00
800 A	IHBFFE0800	62835.00
1000 A	IHBFFE1000	87610.00
1250 A	IHBFFE1250	188190.00
1500 A	IHBFFE1500	217175.00
2000 A	IHBFFE2000	305865.00

Kit-kat Rewireable (Porcelain Fuse carrier & Base)

Specification: IS: 2086

HSN Code: 8536

Ampere (A) / Voltage (V)	Cat. No.	List Price in ₹ Per Unit/s	STD Packing No. of unit/s
16 A / 240 V	IHKKRN2016	120.00	20 N
16 A / 415 V	IHKKRN4016	205.00	24 N
32 A / 240 V	IHKKRN2032	205.00	24 N
32 A / 415 V	IHKKRN4032	255.00	12 N
63 A / 415 V *	IHKKRN4063	410.00	12 N
63 A / 415 V #	IHKKDN4063	450.00	6 N
100 A / 415 V *	IHKKRN4100	735.00	6 N
100 A / 415 V #	IHKKDN4100	850.00	1 N
200 A / 415 V *	IHKKRN4200	1475.00	1 N
200 A / 415 V **	IHKKRT4200	1695.00	1 N
320 A / 415 V *	IHKKRN4320	2155.00	1 N
320 A / 415 V **	IHKKRT4320	2540.00	1 N



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

Industrial Switchgear

General Purpose Switch Fuse Units / Fuse Switches

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

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as per Regular Terms & Conditions

Single Pole & Neutral / Double Pole HSN Code: 8537

Ampere (A) / Voltage (Vac)	Cat. No.	List Price in ₹ Per Unit
Single Pole & Neutral		
16 A / 240 V	IHBRSE2016	625.00
32 A / 240 V	IHBRSE2032	1545.00
Double Pole		
16 A / 240 V	IHBRDE2016	625.00
32 A / 240 V	IHBRDE2032	1250.00
32 A / 415 V	IHBRDE4032	2450.00
63 A / 415 V	IHBRDE4063	4315.00



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

Rating Ampere (A)	Cat. No.	List Price in ₹ Per Unit	Cat. No.	List Price in ₹ Per Unit	Suitable Fuse Type
	With Rewireable Porcelain Fuse Units		With HBC cum rewireable Porcelain Fuse Units (W/O Fuse link)		
16 A	IHBRTE4016	1920.00	—	—	—
32 A	IHBRTE4032	2485.00	IHBHTE4032	2485.00	IHHTIA0032
63 A	IHBRTE4063	5015.00	IHBHTE4063	5435.00	IHHTSS0063
100 A	IHBRTE4100	9345.00	IHBHTE4100	9965.00	IHHTSD0100
200 A	IHBRTE4200	15400.00	—	—	—
320 A	IHBRTE4320	19045.00	—	—	—

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)	Cat. No.	List Price in ₹ Per Unit	Fuse Type
Triple Pole & Neutral			
63 A	IHFNTW4063	7915.00	IHHTSS0063
100 A	IHFNTW4100	10705.00	IHHTSD0100
160 A	IHFNTW4160	16165.00	IHHTSD0160
200 A	IHFNTW4200	18240.00	IHHTSF0200
320 A	IHFNTW4320	20550.00	IHHTSK0315
400 A	IHFNTW4400	29485.00	IHHTSMF400
500 A	IHFNTW4500	41665.00	IHHTTM0500
800 A*	IHFNTW4800	51955.00	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.



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Fuse Switch & Switch Fuse



Load Changeover Switch



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