



HAVELLS

LV Switchgear Controlgear & Power Quality Products



Pricelist w.e.f. 1st March, 2023

Effective from 1st March, 2023

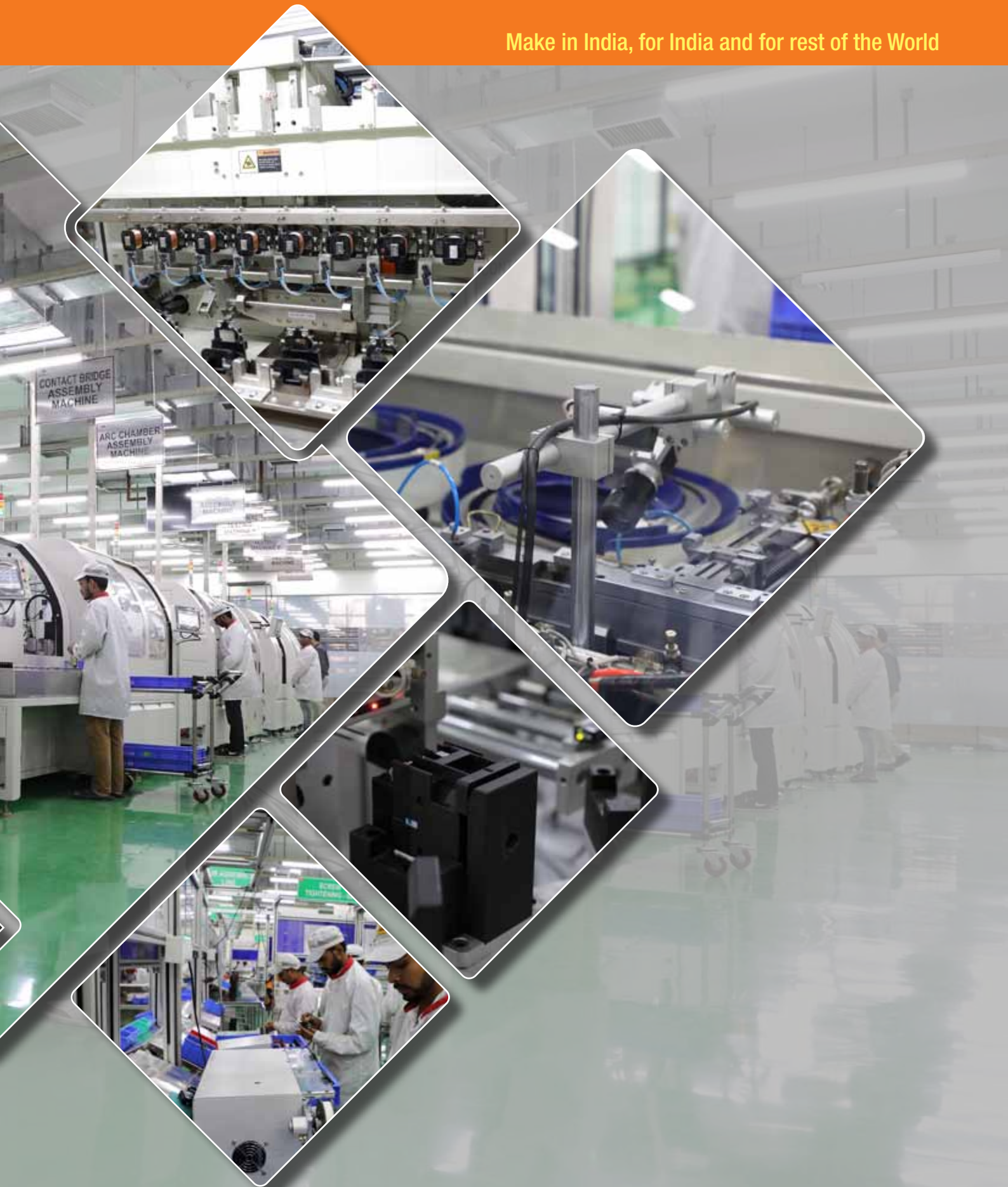
List Price (L.P.) are in Indian ₹ & as per Standard Terms & Conditions

Fully Automated Plant



Industry 4.0

Make in India, for India and for rest of the World





LV Switchgear



ACB Ordning Code Logic

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8, 9 | | 10 | | 11, 12 | | 13 |
|--------|-------|---------|------|-------------------|------------------------|-----------------|------------|-------------------------------|--------------|---------------|---------------|---------------------------------------|----|
| | | | | | | | Rating | Closing Coil & Charging Motor | CC (voltage) | CM (voltage) | UVT (Voltage) | SHT (Voltage) | |
| Div ID | Brand | Product | Pole | Breaking Capacity | Mounting Type | IPR | Rating | CC (voltage) | CM (voltage) | UVT (Voltage) | SHT (Voltage) | Current Transformer | |
| I | H | A | T | E | Manual Fixed = 1 | Bus Coupler = 0 | 400A = 04 | 24 | 220 = A | 415 | 24 = 01 | If rating same as ACB rating then = 0 | |
| | | | TP | 50KA | Manual Drawout = 2 | IPR 1 = 1 | 630A = 06 | 110 | 220 = B | 415 | 110 = 02 | 400A = A | |
| | | | F | S | Electrical Fixed = 4 | IPR 3 = 3 | 800A = 08 | 220 | 220 = C | 415 | 220 = 03 | 630A = B | |
| | | | FP | 65KA | Electrical Drawout = 5 | IPR 5 = 5 | 1000A = 10 | 415 | 220 = D | 415 | 415 = 04 | 800A = C | |
| | | | | H | | IPR E = E | 1250A = 12 | 24 | 110 = E | 415 | 0 = 05 | 1000A = D | |
| | | | | 75KA | | | 1600A = 16 | 110 | 110 = F | 220 | 24 = 06 | 1250A = E | |
| | | | | | | | 2000A = 20 | 220 | 110 = G | 220 | 110 = 07 | 1600A = F | |
| | | | | | | | 2500A = 25 | 415 | 110 = H | 220 | 220 = 08 | 2000A = G | |
| | | | | | | | | Not req. | Not req. = 0 | 220 | 415 = 09 | 2500A = H | |
| | | | | | | | | | | 220 | 0 = 10 | 3200A = I | |
| | | | | | | | | | | 110 | 24 = 11 | 4000A = J | |
| | | | | | | | | | | 110 | 110 = 12 | 5000A = K | |
| | | | | | | | | | | 110 | 220 = 13 | 6300A = L | |
| | | | | | | | | | | 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 | | |



Titania

Air Circuit Breaker

400 A – 2500 A



| Breaking Capacity @ 415 V | E Frame | S Frame | H Frame |
|---------------------------|-----------------------|-----------------------|---------------|
| | 400 A - 2000 A | 400 A - 2000 A | 2500 A |
| Ics=100% Icu | 50 kA | 65kA | 75kA |
| Icw for 1 s | 50kA | 50kA | 65kA |





Titania+

Air Circuit Breaker

3200 A – 6300 A

NEW



| Breaking Capacity @ 415 V | B Frame | C Frame | D Frame |
|---------------------------|------------------------|---------------|---------------|
| | 3200 A - 4000 A | 5000 A | 6300 A |
| Ics=100% Icu | 100kA | 100kA | 150kA |
| Icw for 1 s | 85kA | 85kA | 100kA |



Titania Air Circuit Breaker

(Conforms to IS/IEC:60947-2)



3 Pole ACB with Microprocessor Release IPR 1+

| Current Rating | Rated Ultimate Short-circuit Breaking Capacity Ics = 100 % Icu at | MANUAL | | | | ELECTRICAL* | |
|----------------|---|---------------|-----------------|---------------|-----------------|-----------------|-----------------|
| | | Item Code | Per Unit LP (₹) | Item Code | Per Unit LP (₹) | Item Code | |
| (A) | 415 V (kA) | Fixed | | Drawout | | Fixed | Drawout |
| 630 A | 50 kA | IHATE11060**# | 128535.00 | IHATE21060**# | 167100.00 | IHATE4106\$\$\$ | IHATE5106\$\$\$ |
| 800 A | 50 kA | IHATE11080**# | 128535.00 | IHATE21080**# | 167100.00 | IHATE4108\$\$\$ | IHATE5108\$\$\$ |
| 1000 A | 50 kA | IHATE11100**# | 131035.00 | IHATE21100**# | 170345.00 | IHATE4110\$\$\$ | IHATE5110\$\$\$ |
| 1250 A | 50 kA | IHATE11120**# | 143100.00 | IHATE21120**# | 180200.00 | IHATE4112\$\$\$ | IHATE5112\$\$\$ |
| 1600 A | 50 kA | IHATE11160**# | 156065.00 | IHATE21160**# | 196100.00 | IHATE4116\$\$\$ | IHATE5116\$\$\$ |
| 2000 A | 50 kA | IHATE11200**# | 180200.00 | IHATE21200**# | 236640.00 | IHATE4120\$\$\$ | IHATE5120\$\$\$ |

3 Pole ACB with Microprocessor Release IPR 1+

| Current Rating | Rated Ultimate Short-circuit Breaking Capacity Ics = 100 % Icu at | MANUAL | | | | ELECTRICAL* | |
|----------------|---|---------------|-----------------|---------------|-----------------|-----------------|-----------------|
| | | Item Code | Per Unit LP (₹) | Item Code | Per Unit LP (₹) | Item Code | |
| (A) | 415 V (kA) | Fixed | | Drawout | | Fixed | Drawout |
| 630 A | 65 kA | IHATS11060**# | 139920.00 | IHATS21060**# | 215425.00 | IHATS4106\$\$\$ | IHATS5106\$\$\$ |
| 800 A | 65 kA | IHATS11080**# | 139920.00 | IHATS21080**# | 215425.00 | IHATS4108\$\$\$ | IHATS5108\$\$\$ |
| 1000 A | 65 kA | IHATS11100**# | 146420.00 | IHATS21100**# | 232805.00 | IHATS4110\$\$\$ | IHATS5110\$\$\$ |
| 1250 A | 65 kA | IHATS11120**# | 177200.00 | IHATS21120**# | 256940.00 | IHATS4112\$\$\$ | IHATS5112\$\$\$ |
| 1600 A | 65 kA | IHATS11160**# | 187535.00 | IHATS21160**# | 279425.00 | IHATS4116\$\$\$ | IHATS5116\$\$\$ |
| 2000 A | 65 kA | IHATS11200**# | 201400.00 | IHATS21200**# | 296800.00 | IHATS4120\$\$\$ | IHATS5120\$\$\$ |
| 2500 A | 75 kA | IHATH11250**# | 233640.00 | IHATH21250**# | 348125.00 | IHATH4125\$\$\$ | IHATH5125\$\$\$ |

* Please refer table A to Product price list
 To replace \$ Please refer table 1 at page-39
 To replace ** Please refer table 2 at page-39
 To replace # Please refer table 3 at page-39
 Door Flange (Escutcheon Frame) is supplied alongwith ACB

Titania Air Circuit Breaker

(Conforms to IS/IEC:60947-2)

4 Pole ACB with Microprocessor Release IPR 1+

| Current Rating | Rated Ultimate Short-circuit Breaking Capacity Ics = 100 % Icu at | MANUAL | | | | ELECTRICAL* | |
|----------------|---|---------------|-----------------|---------------|-----------------|----------------|----------------|
| | | Item Code | Per Unit LP (₹) | Item Code | Per Unit LP (₹) | Item Code | |
| (A) | 415 V (kA) | Fixed | | Drawout | | Fixed | Drawout |
| 630 A | 50 kA | IHAFF11060**# | 162735.00 | IHAFF21060**# | 206700.00 | IHAFF4106\$*** | IHAFF5106\$*** |
| 800 A | 50 kA | IHAFF11080**# | 162735.00 | IHAFF21080**# | 206700.00 | IHAFF4108\$*** | IHAFF5108\$*** |
| 1000 A | 50 kA | IHAFF11100**# | 169960.00 | IHAFF21100**# | 220945.00 | IHAFF4110\$*** | IHAFF5110\$*** |
| 1250 A | 50 kA | IHAFF11120**# | 175780.00 | IHAFF21120**# | 228510.00 | IHAFF4112\$*** | IHAFF5112\$*** |
| 1600 A | 50 kA | IHAFF11160**# | 194885.00 | IHAFF21160**# | 251016.00 | IHAFF4116\$*** | IHAFF5116\$*** |
| 2000 A | 50 kA | IHAFF11200**# | 230650.00 | IHAFF21200**# | 298920.00 | IHAFF4120\$*** | IHAFF5120\$*** |

4 Pole ACB with Microprocessor Release IPR 1+

| Current Rating | Rated Ultimate Short-circuit Breaking Capacity Ics = 100 % Icu at | MANUAL | | | | ELECTRICAL* | |
|----------------|---|----------------|-----------------|----------------|-----------------|-----------------|-----------------|
| | | Item Code | Per Unit LP (₹) | Item Code | Per Unit LP (₹) | Item Code | |
| (A) | 415 V (kA) | Fixed | | Drawout | | Fixed | Drawout |
| 630 A | 65 kA | IHAFFS11060**# | 176315.00 | IHAFFS21060**# | 304345.00 | IHAFFS4106\$*** | IHAFFS5106\$*** |
| 800 A | 65 kA | IHAFFS11080**# | 176315.00 | IHAFFS21080**# | 304345.00 | IHAFFS4108\$*** | IHAFFS5108\$*** |
| 1000 A | 65 kA | IHAFFS11100**# | 204080.00 | IHAFFS21100**# | 312245.00 | IHAFFS4110\$*** | IHAFFS5110\$*** |
| 1250 A | 65 kA | IHAFFS11120**# | 228585.00 | IHAFFS21120**# | 349735.00 | IHAFFS4112\$*** | IHAFFS5112\$*** |
| 1600 A | 65 kA | IHAFFS11160**# | 267600.00 | IHAFFS21160**# | 409430.00 | IHAFFS4116\$*** | IHAFFS5116\$*** |
| 2000 A | 65 kA | IHAFFS11200**# | 286200.00 | IHAFFS21200**# | 417875.00 | IHAFFS4120\$*** | IHAFFS5120\$*** |
| 2500 A | 75 kA | IHAFFH11250**# | 307400.00 | IHAFFH21250**# | 427345.00 | IHAFFH4125\$*** | IHAFFH5125\$*** |

Titania +

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



* Please refer table A to Product price list
 To replace \$ Please refer table 1 at page-39
 To replace ** Please refer table 2 at page-39
 To replace # Please refer table 3 at page-39

Table - A

| List prices Charges for product different version wrt IPR1+ ACB List Price | | Per Unit LP (₹) |
|--|--------|-----------------|
| Bus Coupler w/o Protection | Reduce | 18825.00 |
| Micro processor release IPRE+ (LI) | Reduce | 8160.00 |
| Micro processor release IPR3+ (LSI+ LCD Display+Thermal Memory+ Zone selectivity+ Current & Voltage Mesurment+ Advance protection +Over Tempeture Protection) | Add | 27705.00 |
| Micro processor release IPR5+(LCD Display+Thermal Memory+ Zone selectivity+ Advance protection+ Advance Mesurment Over Tempeture Protection+ Maximum Demand + Comunication) | Add | 38565.00 |
| To Convert Electrical version from Manual version (includes Motor, Shunt trip & Closing Coil) | Add | 43735.00 |

1. Communication Software

HSN Code: 8538

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

2. Spring Charging Motor

HSN Code: 8538

| S.No. | SAP Code | Description | Per Unit LP (₹) |
|-------|-----------|----------------------|-----------------|
| 1 | ISACX0358 | Charging Motor 110 V | 36995.00 |
| 2 | ISACX0147 | Charging Motor 230 V | 36995.00 |

3. Main CTs

HSN Code: 8504

| S.No. | SAP Code | Description | Per Unit LP (₹) |
|-------|-------------|-------------|-----------------|
| 1 | ICELFACL018 | CT 400 A | 3195.00 |
| 2 | ICELFACL001 | CT 630 A | 3195.00 |
| 3 | ICELFACL002 | CT 800 A | 3195.00 |
| 4 | ICELFACL003 | CT 1000A | 3365.00 |
| 5 | ICELFACL004 | CT 1250 A | 3365.00 |
| 6 | ICELFACL005 | CT 1600 A | 3365.00 |
| 7 | ICELFACL006 | CT 2000 A | 4520.00 |
| 8 | ICELFACL007 | CT 2500A | 4520.00 |

4. Neutral CTs

HSN Code: 8504

| S.No. | SAP Code | Description | Per Unit LP (₹) |
|-------|-------------|-------------|-----------------|
| 1 | ICELFACL019 | NCT 400 A | 3195.00 |
| 2 | ICELFACL012 | NCT 630 A | 3195.00 |
| 3 | ICELFACL013 | NCT 800 A | 3195.00 |
| 4 | ICELFACL014 | NCT 1000A | 3365.00 |
| 5 | ICELFACL015 | NCT 1250 A | 3365.00 |
| 6 | ICELFACL016 | NCT 1600 A | 3365.00 |
| 7 | ICELFACL017 | NCT 2000 A | 4520.00 |
| 8 | ICELFACL021 | NCT 2500A | 4520.00 |



Undervoltage release

5. Under Voltage Trip Device (UVT)

HSN Code: 8538

| S.No. | SAP Code | Description | Per Unit LP (₹) |
|-------|-----------|-------------|-----------------|
| 1 | ISACX0196 | 220 VAC | 4740.00 |
| 2 | ISACX0197 | 415 VAC | 4740.00 |



Shunt Trip Coil / Closing Coil

6. Shunt Trip / Closing Coil

HSN Code: 8538

| S.No. | SAP Code | Description | Per Unit LP (₹) |
|-------|-----------|-------------|-----------------|
| 1 | ISACX0170 | 24 VDC | 3370.00 |
| 2 | ISACX0168 | 110 VAC/DC | 3370.00 |
| 3 | ISACX0167 | 220 VAC/DC | 3370.00 |
| 4 | ISACX0212 | 415 VAC | 3370.00 |

Titania Air Circuit Breaker

(Conforms to IS/IEC:60947-2)



ON/OFF push button cover



Door Interlock



Drawout position lock



Adaptor terminals for Cradle

7. Key Lock / Key Interlock

HSN Code: 8301

| S.No. | SAP Code | Description | Per Unit LP (₹) |
|-------|-----------|--------------------------------|-----------------|
| 1 | ISACX0301 | On/Off Button cover | 430.00 |
| 2 | ISACX0353 | Key lock (1 lock+1 key) | 1735.00 |
| 3 | ISACX0181 | Key interlock (2 locks+1 keys) | 2425.00 |
| 4 | ISACX0210 | Key interlock (3 locks+2 keys) | 5110.00 |
| 5 | ISACX0341 | Drawout position Lock | 2105.00 |

8. Adaptor Type Terminals (additional price)

(6 nos. reqd. for 3 pole & 8 nos. for 4 pole ACB) HSN Code: 8538

| S.No. | SAP Code | Description | Per Unit LP (₹) |
|-------|------------|-------------|-----------------|
| 1 | ISSACX0174 | 630/800 A | 4565.00 |
| 2 | ISSACX0164 | 1000/1250 A | 5020.00 |
| 3 | ISSACP0434 | 1600 A | 7100.00 |

9. Other Accessories

HSN Code: 8538

| S.No. | SAP Code | Description | Per Unit LP (₹) |
|-------|-----------|--------------------------|-----------------|
| 1 | ISACX0208 | Door Interlock | 3085.00 |
| 2 | ISACX0028 | Close open cycle counter | 3040.00 |



Position Indication Switch



Auxiliary Contacts

*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 | Horizontal Terminals 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.

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

10. Other Accessories

HSN Code: 8536

| S.No. | SAP Code | Description | Per Unit LP (₹) |
|-------|-----------|---------------------------------|-----------------|
| 1 | ISACX0207 | Spring charge indication switch | 2015.00 |
| 2 | ISACX0349 | Trip indication Switch | 1270.00 |
| 3 | ISACX0139 | Aux. switch (5 c/o additional) | 3095.00 |
| 4 | ISACX0182 | Position indication switch | 2215.00 |
| 5 | ISACX0302 | Field test unit | 2970.00 |

Table 1

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

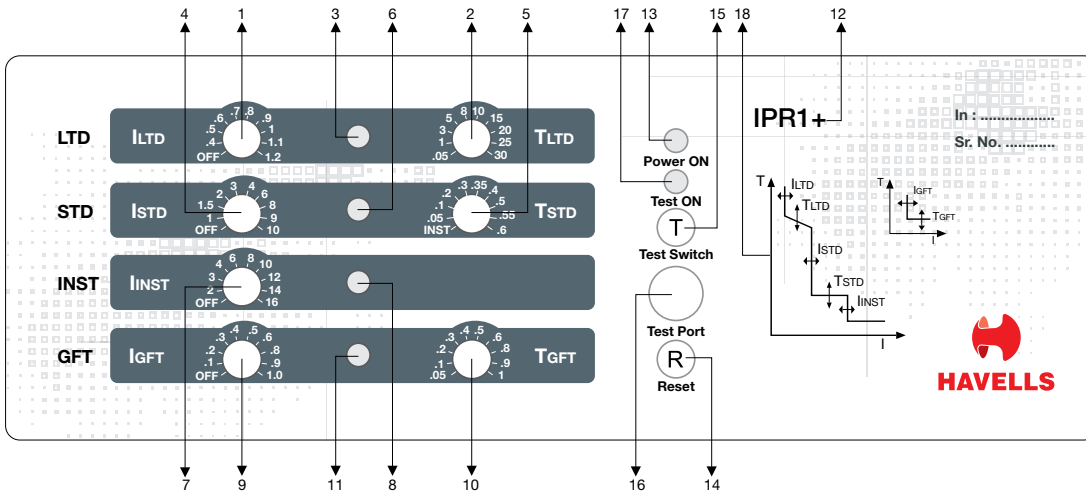
Table 2

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

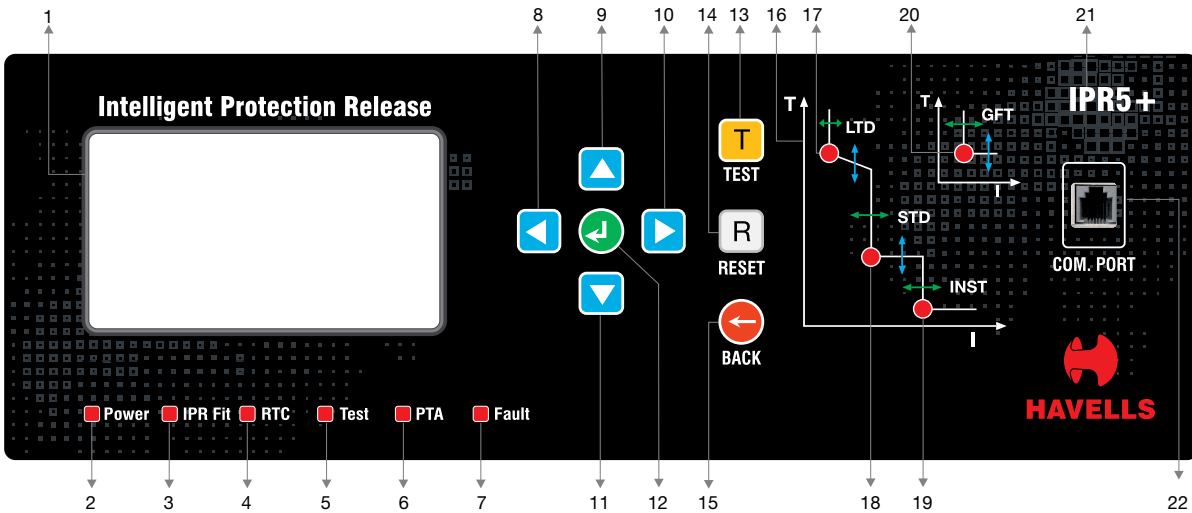
Table 3

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

Intelligent Protection Releases



| Ref. | Description | Ref. | Description |
|------|--|------|------------------------------------|
| 1 | Rotary switch for setting LTD current | 10 | Rotary switch for setting GFT time |
| 2 | Rotary switch for setting LTD Time | 11 | LED indication for GFT fault |
| 3 | LED indication for LTD fault | 12 | Product identification code |
| 4 | Rotary switch for setting STD current | 13 | LED for "Power ON" |
| 5 | Rotary switch for setting STD time | 14 | Reset push button |
| 6 | LED indication for STD fault | 15 | Test push button |
| 7 | Rotary switch for setting INST current | 16 | Socket for test supply |
| 8 | LED indication for INST fault | 17 | LED for "Test ON" |
| 9 | Rotary switch for setting GFT current | 18 | Time current characteristics curve |



| Ref. | Description | Ref. | Description |
|------|---------------------------------|------|-----------------------------------|
| 1 | LCD Screen | 12 | Enter / Save Push Button |
| 2 | LED for "Power ON" | 13 | Test Push Button |
| 3 | LED for "IPR Fit" | 14 | Reset Push Button |
| 4 | #LED for "RTC (Ready to Close)" | 15 | Back Push Button |
| 5 | LED for "Test ON" | 16 | Time Current Characteristic Curve |
| 6 | LED for "PTA (Pre-Trip Alarm)" | 17 | LED Indication for LTD Fault |
| 7 | LED for "Faults" | 18 | LED Indication for STD Fault |
| 8 | Scroll "Left" Push Button | 19 | LED Indication for INST Fault |
| 9 | Scroll "Up" Push Button | 20 | LED Indication for GFT Fault |
| 10 | Scroll "Right" Push Button | 21 | Product Identification Code |
| 11 | Scroll "Down" Push Button | 22 | MODBUS RS-485 Communication Port |

Titania Air Circuit Breaker

(Conforms to IS/IEC:60947-2)

New Range of Intelligent Protection Release (IPR)+ (400 A - 2500 A)



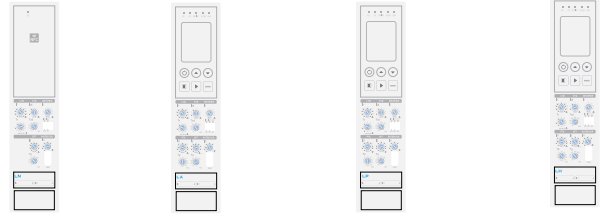
| S. No. | Features | IPR E+ | IPR 1+ | IPR 3+ | IPR 5+ |
|--------|-------------------------------------|-----------------|--------|--------|--------|
| | Release settings: | ● | ● | ● | ● |
| 1 | LTD | Current Setting | ● | ● | ● |
| | | Time Setting | ● | ● | ● |
| 2 | STD | Current Setting | ● | ● | ● |
| | | Time Setting | ● | ● | ● |
| 3 | INST | ● | ● | ● | ● |
| 4 | GFT | Current Setting | ● | ● | ● |
| | | Time Setting | ● | ● | ● |
| 5 | PTA | Current Setting | | ● | ● |
| | | Time Setting | | ● | ● |
| 6 | Function Blocking | ● | ● | ● | ● |
| 7 | Field Test Function | ● | ● | ● | ● |
| 8 | IPR Fit Indicator | | | ● | ● |
| 9 | Load Shedding Function | | | ● | ● |
| 10 | Reset Function | ● | ● | ● | ● |
| 11 | Thermal Memory | | | ● | ● |
| 12 | LED Indications | ● | ● | ● | ● |
| 13 | Fault History on Display | | | ● | ● |
| 14 | Making Current Release | ● | ● | ● | ● |
| 15 | Zone Selectivity | | | ● | ● |
| 16 | Circuit Breaker Fail Protection | | | ● | ● |
| 17 | Operation Counter | | | ● | ● |
| 18 | Contact Erosion Indicator | | | ● | ● |
| 19 | Ready to Close (RTC)* | | | ● | ● |
| 20 | I ² t ON/OFF | | | ● | ● |
| 21 | LCD Display | | | ● | ● |
| 22 | Bar Graphs Indication | | | ● | ● |
| 23 | External Relay Card* | | | ● | ● |
| | Advanced Protection | | | ● | ● |
| 24 | Under Voltage Release | | | ● | ● |
| 25 | Over Voltage Release | | | ● | ● |
| 26 | Under Frequency protection | | | ● | ● |
| 27 | Over Frequency protection | | | ● | ● |
| 28 | Voltage unbalance protection | | | ● | ● |
| 29 | Phase sequence protection | | | ● | ● |
| 30 | Over Temperature Protection | | | ● | ● |
| | Measurement Module | | | ● | ● |
| 31 | Current (Both in 3 phase & neutral) | | | ● | ● |
| 32 | Voltage (both Line & Phase) | | | ● | ● |
| 33 | Frequency | | | ● | ● |
| 34 | Temperature (°C) | | | ● | ● |
| 35 | Maximum Demand | | | | ● |
| 36 | Apparent Power (kVA) | | | | ● |
| 37 | Real Power (kW) | | | | ● |
| 38 | Reactive Power (kVAr) | | | | ● |
| 39 | Power factor | | | | ● |
| 40 | Communication Enabled (MODBUS) | | | | ● |

*Provided on request.

Communication software provided on request.

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

**Protection Release for Titania+
(3200 A - 6300 A)**



| Model Name | N Type | A Type | P Type | H Type |
|---|-----------------|----------------|----------------|----------------|
| | LN | LA | LP | LH |
| Frequency | | | | |
| 50 Hz | 50 Hz | 50 Hz | 50 Hz | 50 Hz |
| 60 Hz | 60 Hz | 60 Hz | 60 Hz | 60 Hz |
| Control Power | | | | |
| External Power | - | ● | ● | ● |
| Self-Power | ● | ● | ● | ● |
| Protection Function | | | | |
| LTD (Long Time) | ● | ● | ● | ● |
| STD (Short Time) | ● | ● | ● | ● |
| INST (Instantaneous) | ● | ● | ● | ● |
| Pre-Trip Alarm | - | ● | ● | ● |
| Ground Fault Trip | ● | ● | ● | ● |
| Thermal Function | ● | ● | ● | ● |
| Field Test | - | ● | ● | ● |
| Fail Safe | ● | ● | ● | ● |
| Indication | | | | |
| True RMS Detection Method | ● | ● | ● | ● |
| LED Indication per Trip Type | - | ● | ● | ● |
| Fault LED | L ¹⁾ | PTA, L, S/I, G | PTA, L, S/I, G | PTA, L, S/I, G |
| Real-Time LCD Indication of Load Rate per Phase | - | ● | ● | ● |
| Measurement LCD | - | ● | ● | ● |
| 3 Phase current | - | ● | ● | ● |
| Voltage | - | - | ● | ● |
| Power | - | - | ● | ● |
| Power factor & power quantity | - | - | ● | ● |
| Demand | - | - | ● | ● |
| Zone selective interlocking | - | ● | ● | ● |
| Voltage / current harmonics (1st ~ 63 th) | - | - | - | ● |
| 3 Phase wave form | - | - | - | ● |
| TDH, TDD | - | - | - | ● |
| Output Contact | | | | |
| Integrated Instantaneous Contact (1a) | ● | - | - | - |
| Individual Continuous Contact (4a) | - | ● | ● | ● |
| Operation | | | | |
| MCR | - | ○ | ○ | ○ |
| Communication | NFC | Modbus-RTU | Modbus-RTU | Modbus-RTU |
| Event/Fault Recording | ● | ● | ● | ● |

● Standard ○: Option
1) Indicates reserve before operation during long time delay.

Titania Air Circuit Breaker

(Conforms to IS/IEC:60947-2)

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 rowspan="2">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>6300 A <input type="checkbox"/></td> <td rowspan="2">Qty.</td> </tr> <tr> <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>5000 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"/> | 6300 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"/> | 5000 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"/> | 6300 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"/> | 5000 A <input type="checkbox"/> | | | | | | | | | | | |
| Breaking Capacity Icu | Upto 2500 A | 50 kA <input type="checkbox"/> | 65 kA <input type="checkbox"/> | 75 kA <input type="checkbox"/> | | | | | | | | | | | | |
| | 3200 A to 6300 A | | 100 kA <input type="checkbox"/> | 150 kA <input type="checkbox"/> | | | | | | | | | | | | |
| No. of Poles | | 3 <input type="checkbox"/> | 4 <input type="checkbox"/> | 4 <input type="checkbox"/> | | | | | | | | | | | | |
| | | | (100% Neutral) | (50% Neutral for V-Series only) | | | | | | | | | | | | |
| 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 | Upto 2500 A | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | | | | | | | |
| | | Without Release | IPR E + | IPR 1 + | IPR 3 + | IPR 5 + | | | | | | | | | | |
| | 3200 A to 6300 A | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | | | | | | | |
| | | Without Release | LN | LA | LP | LH | | | | | | | | | | |
| Setting: O/L _____ A, S/C _____ A, Inst. _____ A, GFT _____ A, CT Rating _____ A, Neutral CT <input type="checkbox"/> | | | | | | | | | | | | | | | | |
| 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"/> | Five c/o additional Aux. contacts | <input type="checkbox"/> | | | | | | | | | | | | |
| | Field test unit | <input type="checkbox"/> | Shunt Trip | <input type="checkbox"/> | | | | | | | | | | | | |
| | Position Indication Switch | <input type="checkbox"/> | UVT | <input type="checkbox"/> | | | | | | | | | | | | |
| | Spring Charge Indication Switch | <input type="checkbox"/> | Trip Indication Switch | <input type="checkbox"/> | | | | | | | | | | | | |
| | Door Interlock | <input type="checkbox"/> | Key Interlock | 1L+1K | <input type="checkbox"/> | | | | | | | | | | | |
| | | | | 2L+1K | <input type="checkbox"/> | | | | | | | | | | | |
| | | | 3L+2K | <input type="checkbox"/> | | | | | | | | | | | | |

Note :

- Please specify the voltages for closing coil, shunt trip coil and UVT, available voltages are 24 VDC, 110 VAC / DC, 220 VAC / DC and 415 VAC and for motor available voltages are 220 VAC / DC and 110 VAC / DC.
- For details of Protection Releases, please refer the chart of technical features.

Compact, Reliable & Robust

HIM - Moulded Case Circuit Breakers



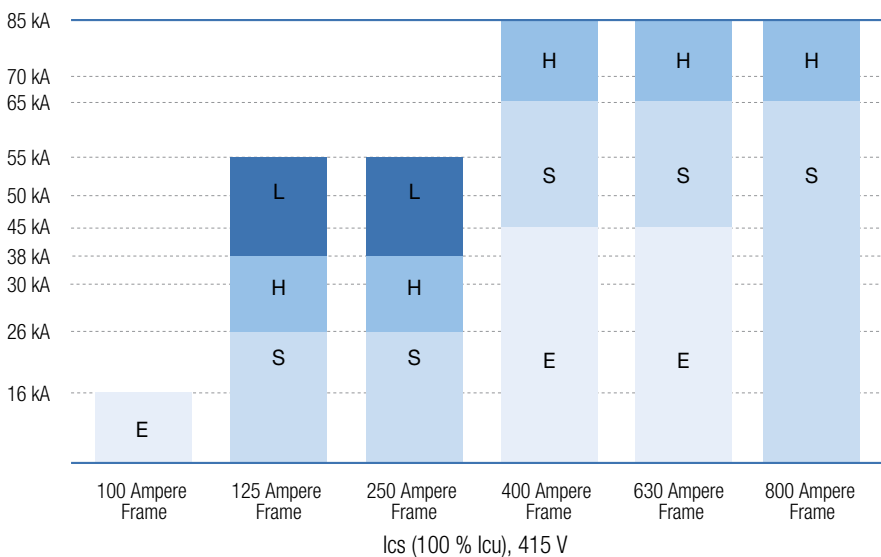
Wide range of Circuit Breakers catering all kind of electrical applications

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

Advanced Breaking Performance and Various Selectivity

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

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



Moulded Case Circuit Breakers

(Conforms to IS/IEC:60947-2)



HIM MCCB

Conforms to IS/IEC60947-2

Ics=Icu=100%

16A to 800A

Up to 85kA breaking capacities

Adjustable Thermal & Fixed Magnetic



| Rated Ultimate Short-circuit Breaking Capacity Ics=100% Icu at 415 Vac (kA rms) | Rated Ultimate Short-circuit Breaking Capacity Icu at 250 V (2P)-DC (kA) | Current Rating (A) | Frame | Double Pole Cat. No. | Per Unit LP (₹) | Three Pole Cat. No. | Per Unit LP (₹) | Four Pole # Cat. No. | Per Unit LP (₹) | | | |
|---|--|--------------------|--------------|----------------------|-----------------|---------------------|-----------------|----------------------|-----------------|--------------|--------------|----------|
| 16 | 5 | 16 | HIM 100 | IHDA3BBD0016 | 3360.00 | IHDA3BBT0016 | 4625.00 | IHDA3BBF0016 | 5940.00 | | | |
| | | 20 | | IHDA3BBD0020 | | IHDA3BBT0020 | | IHDA3BBF0020 | | | | |
| | | 25 | | IHDA3BBD0025 | | IHDA3BBT0025 | | IHDA3BBF0025 | | | | |
| | | 32 | | IHDA3BBD0032 | | IHDA3BBT0032 | | IHDA3BBF0032 | | | | |
| | | 40 | | IHDA3BBD0040 | | IHDA3BBT0040 | | IHDA3BBF0040 | | | | |
| | | 50 | | IHDA3BBD0050 | | IHDA3BBT0050 | | IHDA3BBF0050 | | | | |
| | | 63 | | IHDA3BBD0063 | | IHDA3BBT0063 | | IHDA3BBF0063 | | | | |
| | | 80 | | IHDA3BBD0080 | | IHDA3BBT0080 | | IHDA3BBF0080 | | | | |
| 26 | 15 | 100 | HIM 125 | IHDA6OBD0100 | 5520.00 | IHDA6OBT0100 | 7540.00 | IHDA6OBF0100 | 10400.00 | | | |
| | | 16 | | IHDA6OBD0016 | | IHDA6OBT0016 | | IHDA6OBF0016 | | | | |
| | | 20 | | IHDA6OBD0020 | | IHDA6OBT0020 | | IHDA6OBF0020 | | | | |
| | | 25 | | IHDA6OBD0025 | | IHDA6OBT0025 | | IHDA6OBF0025 | | | | |
| | | 32 | | IHDA6OBD0032 | | IHDA6OBT0032 | | IHDA6OBF0032 | | | | |
| | | 40 | | IHDA6OBD0040 | | IHDA6OBT0040 | | IHDA6OBF0040 | | | | |
| | | 50 | | IHDA6OBD0050 | | IHDA6OBT0050 | | IHDA6OBF0050 | | | | |
| | | 63 | | IHDA6OBD0063 | | IHDA6OBT0063 | | IHDA6OBF0063 | | | | |
| | | 80 | | IHDA6OBD0080 | | IHDA6OBT0080 | | IHDA6OBF0080 | | | | |
| | | 125 | | IHDA6OBD0125 | | IHDA6OBT0125 | | IHDA6OBF0125 | | | | |
| | | 150 | | HIM 250 | | IHD2HOBT0150 | | 15030.00 | | IHD2HOBF0150 | 17860.00 | |
| | | 160 | | | | IHD2HOBT0160 | | | | IHD2HOBF0160 | | |
| | | 200 | | | | IHD2HOBT0200 | | 20070.00 | | IHD2HOBF0200 | 25415.00 | |
| | | 225 | | | | IHD2HOBT0225 | | | | IHD2HOBF0225 | | |
| 250 | IHD2HOBT0250 | 22925.00 | IHD2HOBF0250 | 28915.00 | | | | | | | | |
| 38 | 20 | 16 | HIM 125 | IHDA6TBD0016 | 7750.00 | IHDA6TBT0016 | 10670.00 | IHDA6TBF0016 | 13200.00 | | | |
| | | 20 | | IHDA6TBD0020 | | IHDA6TBT0020 | | IHDA6TBF0020 | | | | |
| | | 25 | | IHDA6TBD0025 | | IHDA6TBT0025 | | IHDA6TBF0025 | | | | |
| | | 32 | | IHDA6TBD0032 | | IHDA6TBT0032 | | IHDA6TBF0032 | | | | |
| | | 40 | | IHDA6TBD0040 | | IHDA6TBT0040 | | IHDA6TBF0040 | | | | |
| | | 50 | | IHDA6TBD0050 | | IHDA6TBT0050 | | IHDA6TBF0050 | | | | |
| | | 63 | | IHDA6TBD0063 | | IHDA6TBT0063 | | IHDA6TBF0063 | | | | |
| | | 80 | | IHDA6TBD0080 | | IHDA6TBT0080 | | IHDA6TBF0080 | | | | |
| | | 100 | | IHDA6TBD0100 | | IHDA6TBT0100 | | IHDA6TBF0100 | | | | |
| | | 125 | | IHDA6TBD0125 | | 8800.00 | | IHDA6TBT0125 | | 12180.00 | IHDA6TBF0125 | 14820.00 |
| | | 150 | | HIM 250 | | IHD2HTBT0150 | | 18305.00 | | IHD2HTBF0150 | 21635.00 | |
| | | 160 | | | | IHD2HTBT0160 | | | | IHD2HTBF0160 | | |
| | | 200 | | | | IHD2HTBT0200 | | 21285.00 | | IHD2HTBF0200 | 26400.00 | |
| | | 225 | | | | IHD2HTBT0225 | | | | IHD2HTBF0225 | | |
| 250 | IHD2HTBT0250 | 23875.00 | IHD2HTBF0250 | 29275.00 | | | | | | | | |
| 45 | 20 | 300 | HIM 400 | IHDA9UBT0300 | 29400.00 | IHDA9UBF0300 | 35510.00 | | | | | |
| | | 350 | | IHDA9UBT0350 | | IHDA9UBF0350 | | | | | | |
| | | 400 | | IHDA9UBT0400 | | IHDA9UBF0400 | | | | | | |
| | | 500 | | HIM 630 | | IHD3HUBT0500 | | 42450.00 | IHD3HUBF0500 | | | |
| | | 630 | | | | IHD3HUBT0630 | | | IHD3HUBF0630 | | | |

Note : Adjustable thermal (80% -100%) - In TP & FP upto HIM 250. #FP with Switched Neutral.
Adjustable thermal (63% -100%) - In TP & FP From HIM 400 to HIM 800.
2 nos for TP & 3 nos for FP phase separator is available in standard packaging alongwith MCCB.
MCCBs are without extended terminals, however extended terminals are available on request at extra price for these ratings



| Rated Ultimate Short-circuit Breaking Capacity Ics=100% Icu at 415 Vac (kA rms) | Rated Ultimate Short-circuit Breaking Capacity Icu at 250 V (2P)-DC (kA) | Current Rating (A) | Frame | Double Pole Cat. No. | Per Unit LP (₹) | Three Pole Cat. No. | Per Unit LP (₹) | Four Pole # Cat. No. | Per Unit LP (₹) |
|---|--|--------------------|--------------|----------------------|-----------------|---------------------|-----------------|----------------------|-----------------|
| 55 | 30 | 16 | HIM 125 | IHDA6VBD0016 | 9840.00 | IHDA6VBT0016 | 13645.00 | IHDA6VBF0016 | 16630.00 |
| | | 20 | | IHDA6VBD0020 | | IHDA6VBT0020 | | IHDA6VBF0020 | |
| | | 25 | | IHDA6VBD0025 | | IHDA6VBT0025 | | IHDA6VBF0025 | |
| | | 32 | | IHDA6VBD0032 | | IHDA6VBT0032 | | IHDA6VBF0032 | |
| | | 40 | | IHDA6VBD0040 | | IHDA6VBT0040 | | IHDA6VBF0040 | |
| | | 50 | | IHDA6VBD0050 | | IHDA6VBT0050 | | IHDA6VBF0050 | |
| | | 63 | | IHDA6VBD0063 | | IHDA6VBT0063 | | IHDA6VBF0063 | |
| | | 80 | | IHDA6VBD0080 | | IHDA6VBT0080 | | IHDA6VBF0080 | |
| | | 100 | | IHDA6VBD0100 | | IHDA6VBT0100 | | IHDA6VBF0100 | |
| | | 125 | | IHDA6VBD0125 | | IHDA6VBT0125 | | IHDA6VBF0125 | |
| | | 150 | HIM 250 | | IHD2HVBT0150 | 16920.00 | IHD2HVBF0150 | 20170.00 | |
| | | 160 | | | 22870.00 | IHD2HVBF0160 | 27265.00 | | |
| | | 200 | | | 23590.00 | IHD2HVBF0200 | 30095.00 | | |
| | | 225 | | | 25515.00 | IHD2HVBT0225 | 32080.00 | IHD2HVBF0225 | |
| 250 | IHD2HVBT0250 | IHD2HVBF0250 | | | | | | | |
| 65 | 25 | 300 | HIM 400 | IHDA9LBT0300 | 30700.00 | IHDA9LBF0300 | 36325.00 | | |
| | | 350 | | IHDA9LBT0350 | | IHDA9LBF0350 | | | |
| | | 400 | HIM 630 | IHDA9LBT0400 | 44045.00 | IHDA9LBF0400 | 54140.00 | | |
| | | 500 | | IHD3HLBT0500 | | IHD3HLBF0500 | | | |
| | | 630 | | IHD3HLBT0630 | | IHD3HLBF0630 | | | |
| | | 700 | | HIM 800 | | IHD4HLBT0700 | | 49760.00 | IHD4HLBF0700 |
| | | 800 | IHD4HLBT0800 | | IHD4HLBF0800 | | | | |
| | | 85 | 40 | 300 | HIM 400 | IHDA9MBT0300 | 38010.00 | IHDA9MBF0300 | 43765.00 |
| 350 | IHDA9MBT0350 | | | IHDA9MBF0350 | | | | | |
| 400 | HIM 630 | | | IHDA9MBT0400 | 51735.00 | IHDA9MBF0400 | 63605.00 | | |
| 500 | | | | IHD3HMBT0500 | | IHD3HMBF0500 | | | |
| 630 | | | | IHD3HMBT0630 | | IHD3HMBF0630 | | | |
| 700 | | | | HIM 800 | | IHD4HMBT0700 | | 59495.00 | IHD4HMBF0700 |
| 800 | IHD4HMBT0800 | | | | IHD4HMBF0800 | | | | |

Accessories for HIM Series Moulded Case Circuit Breakers

| Description | HIM 100 / 125 / 250 / Frame | HIM 400 / 630 / 800 Frame | |
|------------------------------|-----------------------------|---------------------------|------------|
| Shunt Trip | | | |
| 24 Vdc | ISSLEU0800 | 1760.00 | |
| 48 Vdc | ISSLEU0801 | | |
| 60 Vdc | ISSLEU0802 | | |
| 100 Vdc -120 Vdc | ISSLEU1634 | | |
| 125 Vdc | ISSLEU0803 | | |
| 100 Vdc -125 Vdc | | ISSLEU0907 | |
| 100 Vac -120 Vac | ISSLEU0905 | 1760.00 | |
| 200 Vac -250 Vac | ISSLEU0906 | | ISSLEU0908 |
| 380 Vac - 415 Vac | ISLEU0888 | | ISSLEU0890 |
| | | | On Request |
| Under Voltage Release | | | |
| 24 Vdc | ISSLEU0804 | 2835.00 | |
| 48 Vdc | ISSLEU0805 | | |
| 100 Vdc - 110 Vdc | ISSLEU0909 | | |
| 100 Vac - 120 Vac | ISSLEU0910 | 3470.00 | |
| 200 Vac - 230 Vac | ISSLEU0893 | | ISSLEU0914 |
| 380 Vac - 415 Vac | ISSLEU0894 | | ISSLEU0895 |
| | | ISSLEU0896 | |



SHT



UVT

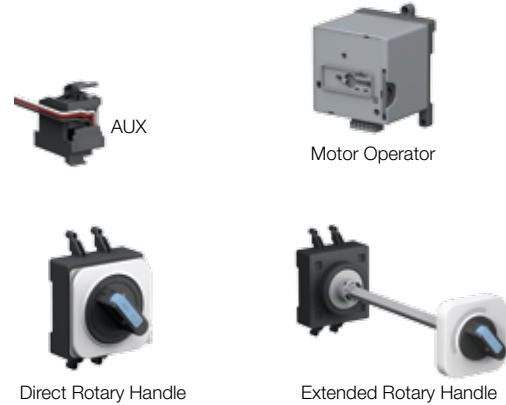
Note : Adjustable thermal (80% -100%) - In TP & FP upto HIM 250. #FP with Switched Neutral.
 Adjustable thermal (63% -100%) - In TP & FP From HIM 400 to HIM 800.
 2 nos for TP & 3 nos for FP phase separator is available in standard packaging alongwith MCCB.
 MCCBs are without extended terminals, however extended terminals are available on request at extra price for these ratings

Moulded Case Circuit Breakers

(Conforms to IS/IEC:60947-2)

Accessories for HIM Series Moulded Case Circuit Breakers

| Description | HIM 100 / 125 / 250 / Frame | | HIM 400 / 630 / 800 Frame | |
|---|-----------------------------|---------|---------------------------|---------|
| Auxiliary Contact (250 Vac / 250 Vdc) (450 Vac / 250 Vdc) | | | | |
| 1-Changeover | ISSLEU0791 | 945.00 | ISSLEU0793 | 1040.00 |
| 2-Changeover | ISSLEU0792 | 1675.00 | | |
| Alarm Switch (Left side only) | ISSLEU0794 | 945.00 | ISSLEU0796 | 1040.00 |
| Alarm Switch (Right side only) | ISSLEU0795 | | | |
| Auxiliary + Alarm Switch | | | | |
| Left side only | ISSLEU0799 | 1630.00 | | |
| Right side only | ISSLEU0797 | | | |
| Pad Lock Device | ISSLEU0844 | 1155.00 | ISSLEU0845 | 1420.00 |
| DIN Rail | ISSLEU0887 | 830.00 | | |
| Auxiliary Handle | | | ISSLEU0846 | 1420.00 |



| Description | HIM 100 Frame | | HIM 125 Frame | | HIM 250 Frame | | HIM 400 Frame | | HIM 630 / 800 Frame | |
|----------------------|---------------|----------|---------------|----------|---------------|----------|---------------|----------|---------------------|----------|
| Rotary Handle | | | | | | | | | | |
| Direct mounting | ISSLEU0806 | 1345.00 | ISSLEU0809 | 1345.00 | ISSLEU0812 | 1345.00 | ISSLEU0815 | 1950.00 | ISSLEU0916 | 3040.00 |
| Door Mounting | ISSLEU0820 | 1780.00 | ISSLEU0821 | 1885.00 | ISSLEU0822 | 2065.00 | ISSLEU0823 | 3205.00 | ISSLEU0824 | 3965.00 |
| Mechanical Interlock | | | | | | | | | | |
| 2 Pole | ISSLEU0825 | 1300.00 | ISSLEU0829 | 1300.00 | | | | | | |
| 3 Pole | ISSLEU0826 | 2425.00 | ISSLEU0830 | 2425.00 | ISSLEU0833 | 2940.00 | ISSLEU0836 | 4705.00 | ISSLEU0838 | 5455.00 |
| 4 Pole (N-R-S-T) | ISSLEU0828 | 2890.00 | ISSLEU0832 | 2890.00 | ISSLEU0835 | 3570.00 | ISSLEU0837 | 5515.00 | ISSLEU0843 | 6470.00 |
| Motor Operator | | | | | | | | | | |
| 24 Vdc | ISSLEU0917 | | ISSLEU0897 | | ISSLEU0899 | | ISSLEU0901 | | ISSLEU0903 | |
| 110 Vac / Vdc | ISSLEU0918 | 29805.00 | ISSLEU0920 | 29805.00 | ISSLEU0921 | 29805.00 | ISSLEU0922 | 42290.00 | ISSLEU0923 | 47120.00 |
| 240 Vac / Vdc | ISSLEU0919 | | ISSLEU0898 | | ISSLEU0900 | | ISSLEU0902 | | ISSLEU0904 | |

| Description | HIM 100 Frame | | HIM 125 Frame | | HIM 250 Frame | | HIM 400 Frame | | HIM 630 Frame | | HIM 800 Frame | |
|------------------------------------|---------------|---------|---------------|---------|---------------|---------|---------------|---------|---------------|---------|---------------|---------|
| Spreader Terminals - Extended Type | | | | | | | | | | | | |
| 3 Pole (Set of 3) | ISSLEX1158 | 185.00 | ISSLEX1160 | 240.00 | ISSLEX1162 | 650.00 | ISSLEX1164 | 1685.00 | ISSLEX1168 | 1780.00 | ISSLEX1166 | 3660.00 |
| 4 Pole (Set of 4) | ISSLEX1159 | 290.00 | ISSLEX1161 | 345.00 | ISSLEX1163 | 1000.00 | ISSLEX1165 | 2200.00 | ISSLEX1169 | 2385.00 | ISSLEX1167 | 4505.00 |
| Terminal Cover - Long Type | | | | | | | | | | | | |
| 2 Pole | ISSLEU0858 | 500.00 | ISSLEU0864 | 500.00 | | | | | | | | |
| 3 Pole | ISSLEU0859 | 750.00 | ISSLEU0865 | 750.00 | ISSLEU0869 | 1040.00 | ISSLEU0873 | 2135.00 | ISSLEU0877 | 2135.00 | | |
| 4 Pole | ISSLEU0860 | 850.00 | ISSLEU0866 | 850.00 | ISSLEU0870 | 1215.00 | ISSLEU0874 | 2980.00 | ISSLEU0878 | 2980.00 | | |
| Phase Barrier | | | | | | | | | | | | |
| 2 Pole (Set of 1) | ISSLEU0924 | 60.00 | ISSLEU0924 | 60.00 | ISSLEU0882 | 80.00 | | | | | | |
| 3 Pole (Set of 2) | ISSLEU0880 | 115.00 | ISSLEU0880 | 115.00 | ISSLEU0883 | 165.00 | ISSLEU0885 | 660.00 | ISSLEU0885 | 660.00 | ISSLEU0885 | 660.00 |
| 4 Pole (Set of 3) | ISSLEU0881 | 175.00 | ISSLEU0881 | 175.00 | ISSLEU0884 | 240.00 | ISSLEU0886 | 990.00 | ISSLEU0886 | 990.00 | ISSLEU0886 | 990.00 |
| Enclosure | | | | | | | | | | | | |
| 3 Pole | ISSBOU1189 | 1850.00 | ISSBOU1191 | 1950.00 | ISSBOU1193 | 2540.00 | ISSBOU1195 | 9345.00 | ISSBOU1197 | 9705.00 | ISSBOU1199 | 9705.00 |
| 4 Pole | ISSBOU1190 | | ISSBOU1192 | | ISSBOU1194 | | ISSBOU1196 | | ISSBOU1198 | | ISSBOU1200 | |



HAVELLS

The Compact Reliable Performer

Loadline MCCB Range



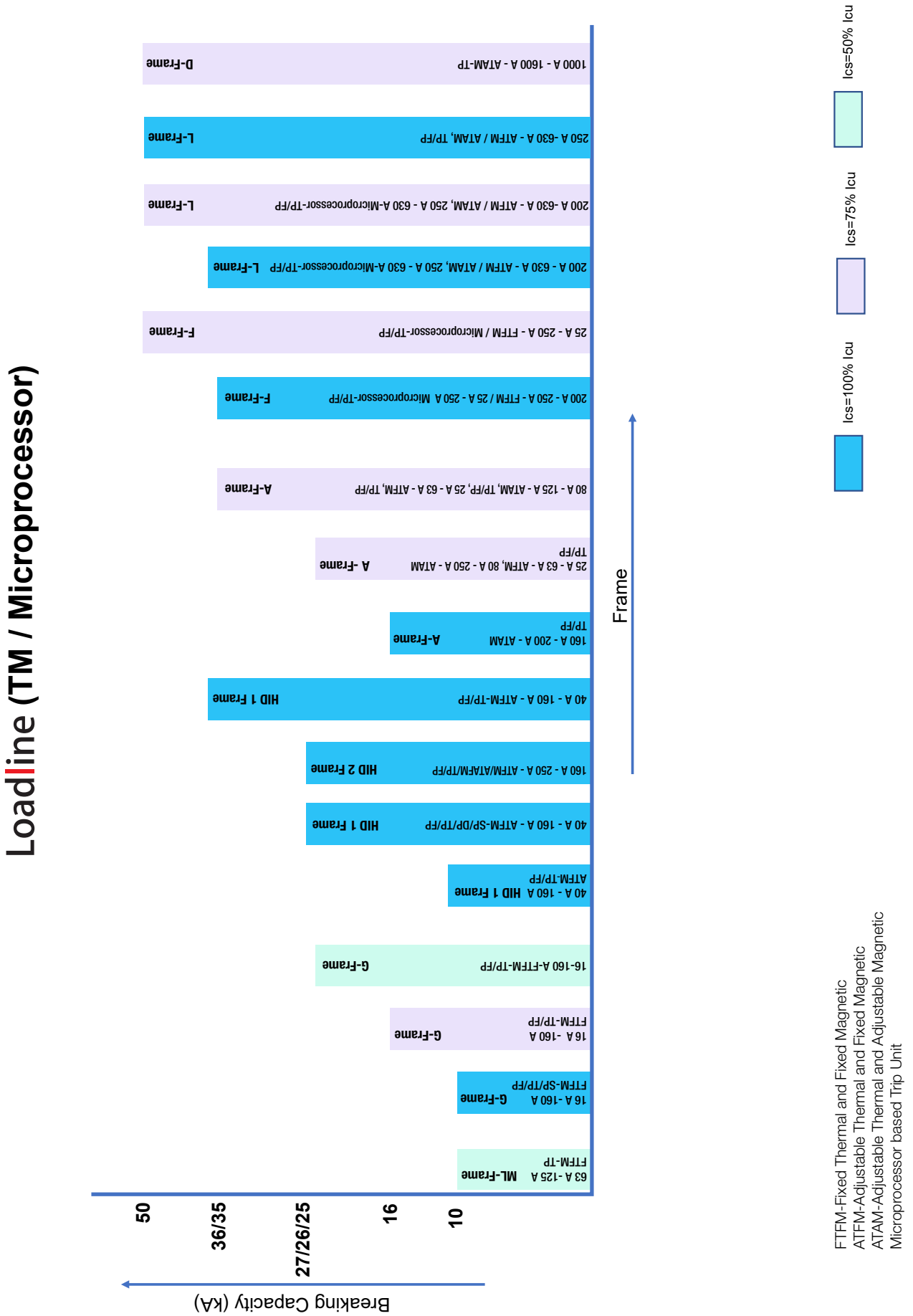
● Current Rating: 15 A to 1600 A ● Execution: 1P, 2P, 3P & 4P ● Breaking Capacity: 10 kA to 50 kA

□ Compact □ Thermal and Magnetic release □ Precise and reliable protection

Loadline Moulded Case Circuit Breakers

(Conforms to IS/IEC:60947-2)

MCCB Selection Chart



FTFM-Fixed Thermal and Fixed Magnetic
 ATFM-Adjustable Thermal and Fixed Magnetic
 ATAM-Adjustable Thermal and Adjustable Magnetic
 Microprocessor based Trip Unit

Loadline Moulded Case Circuit Breakers

(Conforms to IS/IEC:60947-2)

Fixed Thermal & Fixed Magnetic

HSN Code: 8536

| Rated Ultimate Shortcircuit Breaking Capacity Icu at 415 V (kA rms) | Rated Service short circuit Breaking Capacity Ics = % Icu at 415 V (kA rms) | Current Rating (A) | Frame | Three Pole Cat. No. | Per Unit LP (₹) | Four Pole ## Cat. No. | Per Unit LP (₹) | | | |
|---|---|--------------------|--|---------------------|-----------------|-----------------------|-----------------|----------|------------|----------|
| 10 | 50% | 15 A | SH | IHLSHAAT0015 | POR | | | | | |
| | | 20 A | | IHLSHAAT0020 | | | | | | |
| | | 32 A | | IHLSHAAT0032 | | | | | | |
| | | 40 A | | IHLSHAAT0040 | | | | | | |
| | | 63 A | ML1 | IHLM1AAT0063 | 1935.00 | | | | | |
| | | 80 A | | IHLM1AAT0080# | 2020.00 | | | | | |
| | | 100 A | | IHLM1AAT0100# | 2110.00 | | | | | |
| | | 125 A | | IHLM1AAT0125# | 2765.00 | | | | | |
| | 100% | 25 A | GS | IHLGST0025 | 2190.00 | IHLGSF0025 | 2860.00 | | | |
| | | 32 A | | IHLGST0032 | 2190.00 | IHLGSF0032 | 2860.00 | | | |
| | | 40 A | | IHLGST0040 | 2190.00 | IHLGSF0040 | 2860.00 | | | |
| | | 50 A | | IHLGST0050 | 2190.00 | IHLGSF0050 | 2860.00 | | | |
| | | 63 A | | IHLGST0063 | 2190.00 | IHLGSF0063 | 2890.00 | | | |
| | | 80 A | | IHLGSAA30080 | 2190.00 | IHLGSAA40080 | 2930.00 | | | |
| | | | | IHLGST0080# | 2325.00 | IHLGSF0080# | 3510.00 | | | |
| | | | | IHLGS30100 | 2190.00 | IHLGS40100 | 2930.00 | | | |
| | | | | IHLGST0100# | 2325.00 | IHLGSF0100# | 3510.00 | | | |
| | | | | IHLGST0125# | 3405.00 | IHLGSF0125# | 4030.00 | | | |
| | | | | IHLGST0150# | 4390.00 | IHLGSF0150# | 5815.00 | | | |
| | | | | IHLGST0160# | 4390.00 | IHLGSF0160# | 5815.00 | | | |
| 16 | 75% | 25 A | GN (Suitable for DC application 5 kA at 250 V DC, 2P in series) | IHLGNT0025 | 4275.00 | IHLGNF0025 | 5045.00 | | | |
| | | 32 A | | IHLGNT0032 | 4275.00 | IHLGNF0032 | 5045.00 | | | |
| | | 40 A | | IHLGNT0040 | 4275.00 | IHLGNF0040 | 5045.00 | | | |
| | | 50 A | | IHLGNT0050 | 4275.00 | IHLGNF0050 | 5045.00 | | | |
| | | 63 A | | IHLGNT0063 | 4220.00 | IHLGNF0063 | 4980.00 | | | |
| | | 80 A | | IHLGNT0080# | 4445.00 | IHLGNF0080# | 5430.00 | | | |
| | | 100 A | | IHLGNT0100# | 4445.00 | IHLGNF0100# | 5430.00 | | | |
| | | 125 A | | IHLGNT0125# | 4880.00 | IHLGNF0125# | 5670.00 | | | |
| | | 150 A | | IHLGNT0150# | 5700.00 | IHLGNBAF0150# | 6590.00 | | | |
| | | 160 A | | IHLGNT0160# | 5700.00 | IHLGNF0160# | 6590.00 | | | |
| | | 25 | | 50% | 25 A | GH | IHLGHT0025 | 4845.00 | IHLGHF0025 | 6105.00 |
| | | | | | 32 A | | IHLGHT0032 | 4845.00 | IHLGHF0032 | 6105.00 |
| 40 A | IHLGHT0040 | | 4845.00 | | IHLGHF0040 | | 6105.00 | | | |
| 50 A | IHLGHT0050 | | 4845.00 | | IHLGHF0050 | | 6105.00 | | | |
| 63 A | IHLGHT0063 | | 4870.00 | | IHLGHF0063 | | 6130.00 | | | |
| 80 A | IHLGHT0080# | | 5070.00 | | IHLGHF0080# | | 6210.00 | | | |
| 100 A | IHLGHT0100# | | 5070.00 | | IHLGHF0100# | | 6210.00 | | | |
| 125 A | IHLGHT0125# | | 5900.00 | | IHLGHF0125# | | 7765.00 | | | |
| 150 A | IHLGHT0150# | | 8400.00 | | IHLGHF0150# | | 9800.00 | | | |
| 160 A | IHLGHT0160# | | 8400.00 | | IHLGHF0160# | | 9800.00 | | | |
| 35 | 100% | | 200 A | | FN | | IHLFN30200 | 19670.00 | IHLFN40200 | 24635.00 |
| | | | 250 A | | | | IHLFN30250 | 22095.00 | IHLFN40250 | 26935.00 |
| 50 | 75% | 25 A | FH | IHLFHT0025 | 11745.00 | IHLFHF0025 | 12460.00 | | | |
| | | 32 A | | IHLFHT0032 | 11745.00 | IHLFHF0032 | 12460.00 | | | |
| | | 40 A | | IHLFHT0040 | 11745.00 | IHLFHF0040 | 12460.00 | | | |
| | | 50 A | | IHLFHT0050 | 11745.00 | IHLFHF0050 | 12460.00 | | | |
| | | 63 A | | IHLFHT0063 | 11745.00 | IHLFHF0063 | 12460.00 | | | |
| | | 80 A | | IHLFHFA30080 | 12545.00 | IHLFHFA40080 | 13930.00 | | | |
| | | 100 A | | IHLFH30100 | 12545.00 | IHLFH40100 | 13930.00 | | | |
| | | 125 A | | IHLFH30125 | 14560.00 | IHLFH40125 | 17440.00 | | | |
| | | 160 A | | IHLFH30160 | 18060.00 | IHLFH40160 | 21100.00 | | | |
| | | 200 A | | IHLFH30200 | 20995.00 | IHLFH40200 | 26485.00 | | | |
| | | 250 A | | IHLFH30250 | 23195.00 | IHLFH40250 | 28905.00 | | | |

Phase barriers are supplied along with MCCBs
 Spreader terminals are available as an accessories, refer page no. 54
 # Both side terminal are included
 ##FP with Switched Neutral.

Loadline Moulded Case Circuit Breakers

(Conforms to IS/IEC:60947-2)

Adjustable Thermal & Fixed Magnetic

HSN Code: 8536

| Rated Ultimate Shortcircuit Breaking Capacity Icu at 415 V (kA rms) | Rated Service short circuit Breaking Capacity Ics = % Icu at 415 V (kA rms) | Current Rating (A) | Frame | Three Pole Cat. No. | Per Unit LP (₹) | Four Pole ## Cat. No. | Per Unit LP (₹) | | |
|---|---|--------------------|--|---------------------|-----------------|-----------------------|-----------------|--------------|----------|
| 10 | 100% | 40 A | HID 1 | IHLE1ABT0040 | 4240.00 | IHLE1ABF0040 | 4945.00 | | |
| | | 50 A | | IHLE1ABT0050 | 4240.00 | IHLE1ABF0050 | 4945.00 | | |
| | | 63 A | | IHLE1ABT0063 | 4240.00 | IHLE1ABF0063 | 4945.00 | | |
| | | 80 A | | IHLE1AB30080 | 4420.00 | IHLE1AB40080 | 5125.00 | | |
| | | 100 A | | IHLE1AB30100 | 4420.00 | IHLE1AB40100 | 5125.00 | | |
| | | 125 A | | IHLE1AB30125 | 5110.00 | IHLE1AB40125 | 6095.00 | | |
| | | 160 A | | IHLE1AB30160 | 6535.00 | IHLE1AB40160 | 7880.00 | | |
| 25 | 75% | 25 A | AS (Suitable for DC application 10 kA at 250 V DC, 2P in series) | IHLAST0025 | 6965.00 | IHLASF0025 | 8220.00 | | |
| | | 32 A | | IHLAST0032 | 6965.00 | IHLASF0032 | 8220.00 | | |
| | | 40 A | | IHLAST0040 | 6965.00 | IHLASF0040 | 8220.00 | | |
| | | 50 A | | IHLAST0050 | 6965.00 | IHLASF0050 | 8220.00 | | |
| | | 63 A | | IHLAST0063 | 6965.00 | IHLASF0063 | 8220.00 | | |
| 27 | 100% | 40 A | HID 1 | IHA13DBT0040 | 6620.00 | IHA13DBF0040 | 7710.00 | | |
| | | 50 A | | IHA13DBT0050 | | IHA13DBF0050 | | | |
| | | 63 A | | IHA13DBT0063 | | IHA13DBF0063 | | | |
| | | 80 A | | IHA13DB30080 | | IHA13DB40080 | | | |
| | | 100 A | | IHA13DB30100 | IHA13DB40100 | | | | |
| | | 125 A | | IHA13DB30125 | 7955.00 | IHA13DB40125 | 9485.00 | | |
| | | 160 A | | IHA13DB30160 | 9060.00 | IHA13DB40160 | 10935.00 | | |
| 35 | 75% | 25 A | AN | IHLANT0025 | POR | IHLANF0025 | POR | | |
| | | 32 A | | IHLANT0032 | | IHLANF0032 | | | |
| | | 40 A | | IHLANT0040 | | IHLANF0040 | | | |
| | | 50 A | | IHLANT0050 | | IHLANF0050 | | | |
| | | 63 A | | IHLANT0063 | | IHLANF0063 | | | |
| 36 | 100% | 40 A | HID 1 | IHA13EBT0040 | 9360.00 | IHA13EBF0040 | 11150.00 | | |
| | | 50 A | | IHA13EBT0050 | | IHA13EBF0050 | | | |
| | | 63 A | | IHA13EBT0063 | | IHA13EBF0063 | | | |
| | | 80 A | | IHA13EB30080 | | IHA13EB40080 | | | |
| | | 100 A | | IHA13EB30100 | | IHA13EB40100 | | | |
| | | 125 A | | IHA13EB30125 | | 10720.00 | | IHA13EB40125 | 12645.00 |
| | | 160 A | | IHA13EB30160 | | 11380.00 | | IHA13EB40160 | 13310.00 |
| | | 200 A | LS | IHLLSEB30200 | 21485.00 | IHLLSEB40200 | 25645.00 | | |
| | | 250 A | | IHLLSEB30250 | 24105.00 | IHLLSEB40250 | 28795.00 | | |
| | | 320 A | | IHLLSEB30320 | 25430.00 | IHLLSEB40320 | 31245.00 | | |
| | | 400 A | | IHLLSEB30400 | 25430.00 | IHLLSEB40400 | 31245.00 | | |
| | | 500 A | | IHLLSEB30500 | 37265.00 | IHLLSEB40500 | 46160.00 | | |
| | | 630 A | | IHLLSEB30630 | 37265.00 | IHLLSEB40630 | 46160.00 | | |
| 50 | 75% | 200 A | LN | IHLLNFB30200 | 23815.00 | IHLLNFB40200 | 28195.00 | | |
| | | 250 A | | IHLLNFB30250 | 25760.00 | IHLLNFB40250 | 30475.00 | | |
| | | 320 A | | IHLLNFB30320 | 27305.00 | IHLLNFB40320 | 33040.00 | | |
| | | 400 A | | IHLLNFB30400 | 27305.00 | IHLLNFB40400 | 33040.00 | | |
| | | 500 A | | IHLLNFB30500 | 39805.00 | IHLLNFB40500 | 48865.00 | | |
| | | 630 A | | IHLLNFB30630 | 39805.00 | IHLLNFB40630 | 48865.00 | | |



Adjustable thermal (70%-100%) in TP & FP for HID1 / A frame / D frame
 Adjustable thermal (80%-100%) in TP & FP for L frame
 Phase barriers are supplied along with MCCBs
 Spreader terminals are available as an accessories, refer page no. 54
 # Both side terminal are included
 ##FP with Switched Neutral.

Loadline Moulded Case Circuit Breakers

(Conforms to IS/IEC:60947-2)

Adjustable Thermal & Adjustable Magnetic

HSN Code: 8536

| Rated Ultimate Shortcircuit Breaking Capacity Icu at 415 V (kA rms) | Rated Service short circuit Breaking Capacity Ics = % Icu at 415 V (kA rms) | Current Rating (A) | Frame | Three Pole Cat. No. | Per Unit LP (₹) | Four Pole ## Cat. No. | Per Unit LP (₹) |
|---|---|--------------------|---|---------------------|-----------------|-----------------------|-----------------|
| 16 | 100% | 160 A | AS | IHLASBC30160 | 7985.00 | IHLASBC40160 | 10965.00 |
| | | 200 A | | IHLASBC30200 | 9460.00 | IHLASBC40200 | 11975.00 |
| 25 | 75% | 80 A | AS (Suitable for DC application 10 kA at 250 V DC 2P in series) | IHLASDC30080 | 7090.00 | IHLASDC40080 | 8580.00 |
| | | 100 A | | IHLASDC30100 | | | |
| | | 125 A | | IHLASDC30125 | | | |
| | | 160 A | AN (Suitable for DC application 10 kA at 250 V DC 2P in series) | IHLANDC30160 | 9825.00 | IHLANDC40160 | 11760.00 |
| | | 200 A | | IHLANDC30200 | 9960.00 | IHLANDC40200 | 12255.00 |
| | | 250 A | | IHLANDC30250 | 10755.00 | IHLANDC40250 | 13595.00 |
| 35 | 75% | 80 A | AN | IHLANEC30080 | 9690.00 | IHLANEC40080 | 11555.00 |
| | | 100 A | | IHLANEC30100 | 9690.00 | IHLANEC40100 | 11555.00 |
| | | 125 A | | IHLANEC30125 | 11345.00 | IHLANEC40125 | 13090.00 |
| 36 | 100% | 200 A | LS | IHLLSEC30200 | 22440.00 | IHLLSEC40200 | 26325.00 |
| | | 250 A | | IHLLSEC30250 | 24765.00 | IHLLSEC40250 | 29420.00 |
| | | 320 A | | IHLLSEC30320 | 27905.00 | IHLLSEC40320 | 34075.00 |
| | | 400 A | | IHLLSEC30400 | | | |
| | | 500 A | | IHLLSEC30500 | 37980.00 | IHLLSEC40500 | 47135.00 |
| | | 630 A | | IHLLSEC30630 | | | |
| 50 | 75% | 200 A | LN | IHLLNFC30200 | 26745.00 | IHLLNFC40200 | 31495.00 |
| | | 250 A | | IHLLNFC30250 | 28865.00 | IHLLNFC40250 | 33960.00 |
| | | 320 A | | IHLLNFC30320 | 29230.00 | IHLLNFC40320 | 35525.00 |
| | | 400 A | | IHLLNFC30400 | | | |
| | | 500 A | | IHLLNFC30500 | 41040.00 | IHLLNFC40500 | 50220.00 |
| | | 630 A | | IHLLNFC30630 | | | |
| | 100% | 250 A | NEW L | IHLLSFC30250 | 29500 | IHLLSFC40250 | 35100 |
| | | 320 A | | IHLLSFC30320 | 30050 | IHLLSFC40320 | 35915 |
| | | 400 A | | IHLLSFC30400 | | | |
| | | 500 A | | IHLLSFC30500 | 42500 | IHLLSFC40500 | 50800 |
| | | 630 A | | IHLLSFC30630 | | | |
| | 75% | 1000 A | DN | IHLDNT1000 | 143705.00 | | |
| | | 1250 A | | IHLDNT1250 | 164760.00 | | |
| | | 1600 A | | IHLDNT1600 | 177580.00 | | |

Single Pole And Double Pole MCCB

| Rated Ultimate Shortcircuit Breaking Capacity Icu at 240 V AC (kA rms) | Rated Service short circuit Breaking Capacity Ics = % Icu at 240 V AC (kA rms) | Current Rating (A) | Frame | Single Pole Cat. No. | Per Unit LP (₹) | Rated Ultimate Shortcircuit Breaking Capacity Icu at 240 V AC (kA rms) | Rated Service short circuit Breaking Capacity Ics = % Icu at 240 V AC (kA rms) | Double Pole Cat. No. | Per Unit LP (₹) |
|--|--|--------------------|-------|----------------------|-----------------|--|--|----------------------|-----------------|
| 10 | 100% | 25 A | GS | IHLGSS0025 | 1010.00 | 36 | 100% | | |
| | | 32 A | | IHLGSS0032 | | | | | |
| | | 40 A | | IHLGSS0040 | | | | | |
| | | 50 A | | IHLGSS0050 | | | | | |
| | | 63 A | | IHLGSS0063 | | | | | |
| | | 80 A | | IHLGSS0080# | 1020.00 | | | | |
| | | 100 A | | IHLGSS0100# | | | | | |
| | | 125 A | | IHLGSS0125# | 1230.00 | | | | |
| | | 150 A | | IHLGSS0150# | 1325.00 | | | | |
| | | 160 A | | IHLGSS0160# | | | | | |
| 27 | 100% | 40 A | HID 1 | IHA13DBS0040 | 3480.00 | 36 | 100% | IHA13DBD0040 | 5090.00 |
| | | 50 A | | IHA13DBS0050 | | | | | |
| | | 63 A | | IHA13DBS0063 | | | | | |
| | | 80 A | | IHA13DB10080 | | | | | |
| | | 100 A | | IHA13DB10100 | | | | | |
| | | 125 A | | IHA13DB10125 | | | | 4180.00 | |
| | | 160 A | | IHA13DB10160 | 4770.00 | | | | |
| | | | | | | | IHA13DBD00050 | | |
| | | | | | | | IHA13DBD0063 | | |
| | | | | | | | IHA13DB20080 | | |
| | | | | | | | IHA13DB20100 | | |
| | | | | | | | IHA13DB20125 | 6120.00 | |
| | | | | | | | IHA13DB20160 | 6975.00 | |

Adjustable thermal (70%-100%) in TP & FP for HID1 / A frame / D frame

Adjustable thermal (80%-100%) in TP & FP for L frame

Please refer catalogue for magnetic adjustability details

Phase barriers are supplied along with MCCBs

Spreader terminals are available as an accessories, refer page no. 54

Both side terminal are included

##FP with Switched Neutral

Loadline Moulded Case Circuit Breakers

(Conforms to IS/IEC:60947-2)

Microprocessor MCCB

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

| Rated Ultimate Shortcircuit Breaking Capacity Icu at 415 V (kA rms) | Rated Service short circuit Breaking Capacity Ics = % Icu at 415 V (kA rms) | Current Rating (A) | Frame | Three Pole Cat. No. | Per Unit LP (₹) | Four Pole ## Cat. No. | Per Unit LP (₹) | |
|---|---|--------------------|-------|---------------------|-----------------|-----------------------|-----------------|----------|
| 35 | 100% | 25 A | FEN | IHLFENT0025 | 15245.00 | IHLFENF0025 | 19735.00 | |
| | | 32 A | | IHLFENT0032 | | IHLFENF0032 | | |
| | | 40 A | | IHLFENT0040 | | IHLFENF0040 | | |
| | | 50 A | | IHLFENT0050 | | IHLFENF0050 | | |
| | | 63 A | | IHLFENT0063 | | IHLFENF0063 | | |
| | | 80 A | | IHLFEN30080 | | IHLFEN40080 | | |
| | | 100 A | | IHLFEN30100 | | IHLFEN40100 | | |
| | | 125 A | | IHLFEN30125 | | IHLFEN40125 | | |
| | | 160 A | | IHLFEN30160 | | IHLFEN40160 | | 24380.00 |
| | | 200 A | | IHLFEN30200 | | IHLFEN40200 | | 31340.00 |
| | | 250 A | | IHLFEN30250 | | IHLFEN40250 | | |
| 36 | 100% | 250 A | LES | IHLLSEE30250 | 35605.00 | IHLLSEE40250 | 43095.00 | |
| | | 320 A | | IHLLSEE30320 | | IHLLSEE40320 | | |
| | | 400 A | | IHLLSEE30400 | | IHLLSEE40400 | | |
| | | 500 A | | IHLLSEE30500 | 39875.00 | IHLLSEE40500 | 53235.00 | |
| | | 630 A | | IHLLSEE30630 | | IHLLSEE40630 | | |
| 50 | 75% | 25 A | FEH | IHLFEHT0025 | 18165.00 | IHLFEHF0025 | 23220.00 | |
| | | 32 A | | IHLFEHT0032 | | IHLFEHF0032 | | |
| | | 40 A | | IHLFEHT0040 | | IHLFEHF0040 | | |
| | | 50 A | | IHLFEHT0050 | | IHLFEHF0050 | | |
| | | 63 A | | IHLFEHT0063 | | IHLFEHF0063 | | |
| | | 80 A | | IHLFEH30080 | | IHLFEH40080 | | |
| | | 100 A | | IHLFEH30100 | | IHLFEH40100 | | |
| | | 125 A | | IHLFEH30125 | | IHLFEH40125 | | |
| | | 160 A | | IHLFEH30160 | | IHLFEH40160 | | 29405.00 |
| | | 200 A | | IHLFEH30200 | | IHLFEH40200 | | 35395.00 |
| | | 250 A | | IHLFEH30250 | | IHLFEH40250 | | |
| | | 250 A | LEN | IHLLNFE30250 | 38790.00 | IHLLNFE40250 | 48575.00 | |
| | | 320 A | | IHLLNFE30320 | | IHLLNFE40320 | | |
| | | 400 A | | IHLLNFE30400 | | IHLLNFE40400 | | |
| | | 500 A | | IHLLNFE30500 | 41460.00 | IHLLNFE40500 | 54375.00 | |
| | | 630 A | | IHLLNFE30630 | | IHLLNFE40630 | | |

Phase barriers are supplied along with MCCBs
 Spreader terminals are available as an accessories, refer page no. 54
 Only one internal accessories can be fitted in microprocessor MCCB
 # Both side terminal are included
 ##FP with Switched Neutral
 For Communication enabled MCCB please contact with nearest branch



Loadline Moulded Case Circuit Breakers

(Conforms to IS/IEC:60947-2)

Spreader Terminal kit (1 side)

| Frame Size | RATING | POLE | FG CODES | Per Unit LP (₹) |
|------------|--------------|------|------------|-----------------|
| GS, GN, GH | 80 A - 100 A | 1P | ISSLGX0153 | 65.00 |
| | | 3P | ISSLGX0154 | 185.00 |
| | | 4P | ISSLGX0155 | 290.00 |
| | 125 A | 1P | ISSLGX0156 | 80.00 |
| | | 3P | ISSLGX0157 | 240.00 |
| | | 4P | ISSLGX0158 | 345.00 |
| | 160 A | 1P | ISSLGX0159 | 105.00 |
| | | 3P | ISSLGX0160 | 320.00 |
| | | 4P | ISSLGX0161 | 425.00 |
| AS, AN, AH | 80 A~100 A | 3P | ISSLAX0121 | 275.00 |
| | | 4P | ISSLAX0122 | 380.00 |
| | 125 A~200 A | 3P | ISSLAX0124 | 405.00 |
| | | 4P | ISSLAX0125 | 550.00 |
| | 250 A | 3P | ISSLAX0127 | 690.00 |
| | | 4P | ISSLAX0128 | 1000.00 |
| LS, LN | 200 A~400 A | 3P | ISSLLX0065 | 1685.00 |
| | | 4P | ISSLLX0066 | 2200.00 |
| | 500 A~630 A | 3P | ISSLLX0067 | 1780.00 |
| | | 4P | ISSLLX0068 | 2385.00 |
| FN, FH | 80 A~100 A | 3P | ISSLFX0074 | 275.00 |
| | | 4P | ISSLFX0075 | 380.00 |
| | 125 A~160 A | 3P | ISSLFX0076 | 405.00 |
| | | 4P | ISSLFX0077 | 550.00 |
| | 200 A~250 A | 3P | ISSLFX0078 | 690.00 |
| | | 4P | ISSLFX0079 | 1000.00 |
| HID 1 | 80 A~100 A | 1P | ISSLHX4273 | 80.00 |
| | 125 A~160 A | 1P | ISSLHX4274 | 105.00 |
| | 80 A~100 A | 2P | ISSLHX4275 | 160.00 |
| | 125 A~160 A | 2P | ISSLHX4276 | 210.00 |
| | 80 A~100 A | 3P | ISSLHX4277 | 240.00 |
| | 125 A~160 A | 3P | ISSLHX4278 | 320.00 |
| | 80 A~100 A | 4P | ISSLHX4279 | 345.00 |
| | 125 A~160 A | 4P | ISSLHX4280 | 455.00 |

Enclosures for MCCBs

HSN Code: 8538

| Sl.No. | Description | Item Code | Per Unit LP (₹) |
|--------|----------------|------------|-----------------|
| 1. | 'ML' Frame TP | IHEMTP | 2050.00 |
| 2. | 'G' Frame TP | IHEGTP | |
| 3. | 'G' Frame FP | IHEGFP | |
| 4. | 'A' Frame TP | IHEATP | 2355.00 |
| 5. | 'A' Frame FP | IHEAFP | |
| 6. | 'F' Frame TP | IHEFTP | |
| 7. | 'F' Frame FP | IHEFFP | 2480.00 |
| 8. | 'L' Frame TP | IHELTP | |
| 9. | 'L' Frame FP | IHELFP | |
| 10. | HID 1 Frame TP | ISSBOU1117 | 2210.00 |
| 11. | HID 1 Frame FP | ISSBOU1118 | |



Loadline Moulded Case Circuit Breakers

(Conforms to IS/IEC:60947-2)

Loadline Moulded Case Circuit Breakers Accessories

HSN Code: 8538

| Description | 'G' / 'ML' Frame | | 'A' Frame | | HID 1 Frame | | 'L' Frame | | 'F' Frame | |
|--|------------------|-----------------|------------|-----------------|-------------|-----------------|-----------|-----------------|------------|-----------------|
| | Item Code | Per Unit LP (₹) | Item Code | Per Unit LP (₹) | Item Code | Per Unit LP (₹) | Item Code | Per Unit LP (₹) | Item Code | Per Unit LP (₹) |
| Shunt Trip | | | | | | | | | | |
| 100 Vac - 110 Vac | IHLGS110 | 1165.00 | IHLAS110 | 1700.00 | ISSLEU0438 | 1700.00 | IHLLS110 | 2380.00 | IHLLSTF110 | 1700.00 |
| 220 Vac - 240 Vac | IHLGS240 | | IHLAS240 | | ISSLEU0439 | | IHLLS240 | | IHLLSTF240 | |
| 380 Vac - 415 Vac | IHLGS415 | | IHLAS415 | | ISSLEU0440 | | IHLLS415 | | IHLLSTF415 | |
| Under Voltage Release | | | | | | | | | | |
| 110 Vac - 120 Vac | IHLGU110 | 1765.00 | IHLAU110 | 2610.00 | - | - | IHLLU110 | 3245.00 | IHLUVRF110 | 2610.00 |
| 220 Vac - 240Vac | IHLGU240 | | IHLAU240 | | - | - | IHLLU240 | | IHLUVRF240 | |
| 380 Vac - 440 Vac | IHLGU440 | | IHLAU440 | | - | - | IHLLU415 | | IHLUVRF440 | |
| Auxiliary Contact (250Vac/250Vdc) (450Vac/250Vdc) | | | | | | | | | | |
| 1-Changeover | IHLAS-G1CO | 790.00 | IHLAA1CO | 865.00 | ISSLEU0444 | 865.00 | IHLLA1CO | 1000.00 | IHLASF1CO | 945.00 |
| 2-Changeover | IHLAS-G2CO | 1260.00 | IHLAA2CO | 1445.00 | ISSLEU0445 | 1445.00 | IHLLA2CO | 1735.00 | IHLASF2CO | 1445.00 |
| Rotary Handle | | | | | | | | | | |
| Direct mounting | IHLGD000 | 1195.00 | IHLAD000 | 1575.00 | | | | | | |
| Door Mounting | IHLGRN30 | 1490.00 | IHLARN30 | 2050.00 | ISSLEU0494 | 1805.00 | IHLRN30 | 3035.00 | IHLRRHF30 | 2050.00 |
| Padl Lock Device | | | | | | | | | | |
| | IHLDPG125 | 120.00 | IHLDPA250 | 180.00 | ISSLEU0448 | 355.00 | IHLPP000 | 415.00 | IHLDPF250 | 250.00 |
| Trip Alarm Contact (Factory Fitted) | IHLALG1CO | 790.00 | IHLALA-1CO | 865.00 | ISSLEU0447 | 865.00 | IHLB000 | 1000.00 | IHLALF1CO | 945.00 |
| Auxiliary Contact + Alram Switch (Factory fitted) | | | | | | | | ISSLEU1772 | 1735.00 | |

Earth Fault Relay for MCCBs

HSN Code: 8538

| Sl. No. | MCCBs Current Range (A) | Item Code** | Per Unit LP (₹) |
|---------|-------------------------|-------------|-----------------|
| 1 | 25 A- 100 A | IHEF1100 | 7310.00 |
| 2 | 125 A- 200 A | IHEF2200 | 8295.00 |
| 3 | 250 A- 400 A | IHEF3400 | 9680.00 |
| 4 | 500 A- 800 A | IHEF4800 | 12070.00 |



- The above prices are inclusive of CBCT.

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

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



SOLUTION FROM POWER TO FINAL DISTRIBUTION

Full Range of mounting & wiring accessories with Communication architecture



MCB

'C' Series MCB

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

HSN Code - 8536



| Rating | SP Cat. No. | List Price in ₹ Per Unit | SPN Cat. No. | List Price in ₹ Per Unit | DP Cat. No | List Price in ₹ Per Unit |
|-----------|-----------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|
| 0.5 A-5 A | DHMZCSPF0x5-005 | 501.00 | DHMZCSNF0x5-005 | 1107.00 | DHMZCDPF0x5-005 | 1301.00 |
| 6 A-32 A | DHMZCSPF006-032 | 296.00 | DHMZCSNF006-032 | 955.00 | DHMZCDPF006-032 | 976.00 |
| 40 A | DHMZCSPF040 | 688.00 | DHMZCSNF040 | 1423.00 | DHMZCDPF040 | 1519.00 |
| 50 A | DHMZCSPF050 | 760.00 | DHMZCSNF050 | 1514.00 | DHMZCDPF050 | 1647.00 |
| 63 A | DHMZCSPF063 | 760.00 | DHMZCSNF063 | 1514.00 | DHMZCDPF063 | 1647.00 |
| Rating | TP Cat. No. | List Price in ₹ Per Unit | TPN Cat. No. | List Price in ₹ Per Unit | FP Cat. No | List Price in ₹ Per Unit |
| 0.5 A-5 A | DHMZCTPF0x5-005 | 1656.00 | DHMZCTNF0x5-005 | 2422.00 | DHMZCFPF0x5-005 | 2581.00 |
| 6 A-32 A | DHMZCTPF006-032 | 1543.00 | DHMZCTNF006-032 | 2134.00 | DHMZCFPF006-032 | 2219.00 |
| 40 A | DHMZCTPF040 | 2246.00 | DHMZCTNF040 | 2956.00 | DHMZGCFPF040 | 2987.00 |
| 50 A | DHMZCTPF050 | 2353.00 | DHMZCTNF050 | 3002.00 | DHMZCFPF050 | 3108.00 |
| 63 A | DHMZCTPF063 | 2353.00 | DHMZCTNF063 | 3002.00 | DHMZCFPF063 | 3108.00 |

'D' Series MCB

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

*Prices available on demand.



'DC' Series MCB

(In accordance with IEC 60947-2) suitable for 500 V DC Application.

HSN Code - 8536

| CODE | DESCRIPTION | List Price in ₹ Per Unit |
|-------------|------------------------|--------------------------|
| DHMZEDPF016 | 16 A DP C MCB ST^Dx DC | 1090.00 |
| DHMZEDPF032 | 32 A DP C MCB ST^Dx DC | 1090.00 |

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

HSN Code - 8536



| Rating | SP Cat. No. | List Price in ₹ Per Unit | DP Cat. No | List Price in ₹ Per Unit |
|--------|-------------|--------------------------|------------|--------------------------|
| 80 A | DHMJCSPF080 | 2476.00 | DHMJCDF080 | 5386.00 |
| 100 A | DHMJCSPF100 | 2774.00 | DHMJCDF100 | 5532.00 |
| 125 A | DHMJCSPF125 | 3041.00 | DHMJCDF125 | 6321.00 |
| Rating | TP Cat. No. | List Price in ₹ Per Unit | FP Cat. No | List Price in ₹ Per Unit |
| 80 A | DHMJCTPF080 | 7866.00 | DHMJCFF080 | 9440.00 |
| 100 A | DHMJCTPF100 | 8278.00 | DHMJCFF100 | 10312.00 |
| 125 A | DHMJCTPF125 | 9312.00 | DHMJCFF125 | 10946.00 |

RCCB

RCCB - 'AC' Type

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

HSN Code - 8536



| Rating (DP) | 30 mA Cat. No. | List Price in ₹ Per Unit | 100 mA Cat. No. | List Price in ₹ Per Unit | 300 mA Cat. No. | List Price in ₹ Per Unit |
|-------------|----------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|
| 16 A | DHRZCMDf030016 | 3898.00 | DHRZCMDf100016 | 3810.00 | DHRZCMDf300016 | 3920.00 |
| 25 A | DHRZCMDf030025 | 3898.00 | DHRZCMDf100025 | 3810.00 | DHRZCMDf300025 | 3920.00 |
| 32 A | DHRZCMDf030032 | 3927.00 | DHRZCMDf100032 | 3884.00 | DHRZCMDf300032 | 4041.00 |
| 40 A | DHRZCMDf030040 | 3927.00 | DHRZCMDf100040 | 3884.00 | DHRZCMDf300040 | 4041.00 |
| 63 A | DHRZCMDf030063 | 5144.00 | DHRZCMDf100063 | 5144.00 | DHRZCMDf300063 | 5294.00 |
| 80 A | DHRZCMDf030080 | 8257.00 | DHRZCMDf100080 | 8257.00 | DHRZCMDf300080 | 8256.00 |
| 100 A | DHRZCMDf030100 | 8383.00 | DHRZCMDf100100 | 8383.00 | DHRZCMDf300100 | 8256.00 |
| Rating (FP) | 30 mA Cat. No. | List Price in ₹ Per Unit | 100 mA Cat. No. | List Price in ₹ Per Unit | 300 mA Cat. No. | List Price in ₹ Per Unit |
| 16 A | DHRZCMFF030016 | 4860.00 | DHRZCMFF100016 | 4701.00 | DHRZCMFF300016 | 4840.00 |
| 25 A | DHRZCMFF030025 | 4860.00 | DHRZCMFF100025 | 4701.00 | DHRZCMFF300025 | 4840.00 |
| 32 A | DHRZCMFF030032 | 4896.00 | DHRZCMFF100032 | 4788.00 | DHRZCMFF300032 | 4929.00 |
| 40 A | DHRZCMFF030040 | 4896.00 | DHRZCMFF100040 | 4788.00 | DHRZCMFF300040 | 4929.00 |
| 63 A | DHRZCMFF030063 | 5156.00 | DHRZCMFF100063 | 5156.00 | DHRZCMFF300063 | 5307.00 |
| 80 A | DHRZCMFF030080 | 8670.00 | DHRZCMFF100080 | 8670.00 | DHRZCMFF300080 | 8670.00 |
| 100 A | DHRZCMFF030100 | 8894.00 | DHRZCMFF100100 | 8894.00 | DHRZCMFF300100 | 8894.00 |

RCCB - 'A' Type

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

HSN Code - 8536



| Rating (DP) | 30 mA Cat. No. | List Price in ₹ Per Unit | 100 mA Cat. No. | List Price in ₹ Per Unit | 300 mA Cat. No. | List Price in ₹ Per Unit |
|-------------|----------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|
| 25 A | DHRZAMDF030025 | 4943.00 | DHRZAMDF100025 | 4773.00 | DHRZAMDF300025 | 4773.00 |
| 40 A | DHRZAMDF030040 | 5300.00 | DHRZAMDF100040 | 5084.00 | DHRZAMDF300040 | 5084.00 |
| 63 A | DHRZAMDF030063 | 6250.00 | DHRZAMDF100063 | 6055.00 | DHRZAMDF300063 | 6055.00 |
| Rating (FP) | 30 mA Cat. No. | List Price in ₹ Per Unit | 100 mA Cat. No. | List Price in ₹ Per Unit | 300 mA Cat. No. | List Price in ₹ Per Unit |
| 25 A | DHRZAMFF030025 | 5782.00 | DHRZAMFF100025 | 5770.00 | DHRZAMFF300025 | 5770.00 |
| 40 A | DHRZAMFF030040 | 5865.00 | DHRZAMFF100040 | 5856.00 | DHRZAMFF300040 | 5856.00 |
| 63 A | DHRZAMFF030063 | 6165.00 | DHRZAMFF100063 | 6241.00 | DHRZAMFF300063 | 6241.00 |

ARC FAULT DETECTION DEVICE (AFDD)



Arc Fault Detection Device (AFDD)

HSN Code - 8536

| CODE | DESCRIPTION | List Price in ₹ Per Unit |
|--------------|--------------------------------|--------------------------|
| DHAZINSNF016 | 16 A Combined 1P+N MCB + AFDD | ₹ 12800.00 |
| DHAZINSNF032 | 32 A Combined 1P+N MCB + AFDD | ₹ 12800.00 |
| DHAZCNSNF016 | 16 A Combined 1P+N RCBO + AFDD | ₹ 16000.00 |
| DHAZCNSNF032 | 32 A Combined 1P+N RCBO + AFDD | ₹ 16000.00 |

SUPPORT MODULES



Auxiliary Contact For MCB & RCCB

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

HSN Code - 8536

| CODE | DESCRIPTION | List Price in ₹ Per Unit |
|-------------|------------------|--------------------------|
| DHMAHSPF006 | 1NO + 1NC (MCB) | 822.00 |
| DHRAHSPF006 | 1NO + 1NC (RCCB) | 822.00 |



Shunt Trip For MCB

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

HSN Code - 8536

| CODE | RATING | List Price in ₹ Per Unit |
|-----------------|--------|--------------------------|
| DHMZNP1X0002110 | 12 V | 1606.00 |
| DHMZNP1X0002200 | 24 V | 1606.00 |
| DHMZNP1X0002310 | 48 V | 1606.00 |
| DHMZNP1X0002400 | 240 V | 1606.00 |

Under Voltage/Over Voltage For MCB

HSN Code - 8536



| CODE | DESCRIPTION | List Price in ₹ Per Unit |
|-----------------|--------------------------------|--------------------------|
| DHMZNP1X0003510 | OVT HGD63H Option Single Phase | 1477.00 |
| DHMZNP3X0003510 | OVT HGD63H Option Three Phase | 3640.00 |
| DHMZNP1X0003110 | UVT Single Phase 240 Vac | 1477.00 |
| DHMZNP1X0004110 | UVT-OVT 1 Phase 240 Vac | 1698.00 |
| DHMZNP3X0004110 | UVT-OVT 3 Phase 240 Vac | 4029.00 |
| DHMZNP1X0003210 | UVT delay 1 Phase 240 Vac | 1627.00 |
| DHMZNP3X0003210 | UVT delay 3 Phase 240 Vac | 3797.00 |

RCBO

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



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

HSN Code - 8536

| Rating (SPN) | 30 mA Cat. No. | List Price in ₹ Per Unit | 100 mA Cat. No. | List Price in ₹ Per Unit | 300 mA Cat. No. | List Price in ₹ Per Unit |
|--------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|
| 16 A | DHBMACDP4030016 | 4713.00 | DHBMACDP4100016 | 5102.00 | DHBMACDP4300016 | 5544.00 |
| 25 A | DHBMACDP4030025 | 4713.00 | DHBMACDP4100025 | 5102.00 | DHBMACDP4300025 | 5544.00 |
| 32 A | DHBMACDP4030032 | 4851.00 | DHBMACDP4100032 | 5241.00 | DHBMACDP4300032 | 5685.00 |
| 40 A | DHBMACDP4030040 | 5338.00 | DHBMACDP4100040 | 5961.00 | DHBMACDP4300040 | 6446.00 |
| 63 A | DHBMACDP4030063 | 6550.00 | DHBMACDP4100063 | 6898.00 | DHBMACDP4300063 | 7243.00 |

Electromechanical 4P RCBOs used as (TPN & FP RCBOs)
(In accordance with IS 12640-2 & IEC 61009-1) 240 V/415 V, 50 Hz, with 10 kA short circuit capacity

HSN Code - 8536



| Rating (TPN) | 30 mA Cat. No. | List Price in ₹ Per Unit | 100 mA Cat. No. | List Price in ₹ Per Unit | 300 mA Cat. No. | List Price in ₹ Per Unit |
|--------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|
| 16 A | DHBMACTN8030016 | 5961.00 | DHBMACTN8100016 | 6411.00 | DHBMACTN8300016 | 6690.00 |
| 25 A | DHBMACTN8030025 | 5961.00 | DHBMACTN8100025 | 6411.00 | DHBMACTN8300025 | 6690.00 |
| 32 A | DHBMACTN8030032 | 6100.00 | DHBMACTN8100032 | 6550.00 | DHBMACTN8300032 | 6828.00 |
| 40 A | DHBMACTN8030040 | 6170.00 | DHBMACTN8100040 | 6919.00 | DHBMACTN8300040 | 7277.00 |
| 63 A | DHBMACTN8030063 | 7348.00 | DHBMACTN8100063 | 7668.00 | DHBMACTN8300063 | 7668.00 |

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

HSN Code - 8536



| Rating (SPN) | 30 mA Cat. No. | 100 mA Cat. No. | 300 mA Cat. No. | List Price in ₹ Per Unit |
|--------------|-----------------|-----------------|-----------------|--------------------------|
| 6 A | DHCEACSN2030006 | DHCEACSN2100006 | DHCEACSN2300006 | 4567.00 |
| 10 A | DHCEACSN2030010 | DHCEACSN2100010 | DHCEACSN2300010 | 4567.00 |
| 16 A | DHCEACSN2030016 | DHCEACSN2100016 | DHCEACSN2300016 | 4567.00 |
| 20 A | DHCEACSN2030020 | DHCEACSN2100020 | DHCEACSN2300020 | 4567.00 |
| 25 A | DHCEACSN2030025 | DHCEACSN2100025 | DHCEACSN2300025 | 4567.00 |
| 32 A | DHCEACSN2030032 | DHCEACSN2100032 | DHCEACSN2300032 | 4567.00 |
| 40 A | DHCEACSN2030040 | DHCEACSN2100040 | DHCEACSN2300040 | 5629.00 |

SPD



Surge Protection Adaptor Type 3

HSN Code - 8536

| Order Code | Description | List Price in ₹ Per Unit |
|---------------|-------------------------------------|--------------------------|
| DHAA3NMA10230 | Surge Protection Adaptor Type 3 SPD | 1158.00 |



Type 1+2 AC Surge Protection Device

HSN Code - 8536

| Order Code | Poles | Uc (V) | In (kA) | Iimp (kA) | Imax (kA) | Up (kV) | Remote Signaling | List Price in ₹ Per Unit |
|---------------|-------|--------|---------|-----------|-----------|---------|------------------|--------------------------|
| DHSAANBC50320 | TP+N | 320 V | 20 kA | 12.5 kA | 50 kA | 1.5 kV | No | 14353.00 |
| DHSAANAC50320 | 1P+N | 320 V | 20 kA | 12.5 kA | 50 kA | 1.5 kV | No | 7812.00 |
| DHSAARBC50320 | TP+N | 320 V | 20 kA | 12.5 kA | 50 kA | 1.5 kV | Yes | 14671.00 |
| DHSAARAC50320 | 1P+N | 320 V | 20 kA | 12.5 kA | 50 kA | 1.5 kV | Yes | 8138.00 |

Cartridges

HSN Code - 8536

| Order Code | Pole | Uc (V) | In (kA) | Iimp (kA) | Imax (kA) | Up (kV) | List Price in ₹ Per Unit |
|------------|--------|--------|---------|-----------|-----------|---------|--------------------------|
| DSSRCX0149 | L - N | 320 V | 20 kA | 12.5 kA | 50 kA | 1.5 kV | ₹ 3649.00 |
| DSSRCX0150 | N - PE | 255 V | 40 kA | 12.5 kA | 70 kA | 1.5 kV | ₹ 4478.00 |



Type 2 AC Surge Protection Device

HSN Code - 8536

| Order Code | Poles | Uc (V) | In (kA) | Imax (kA) | Up (kV) | Remote Signaling | List Price in ₹ Per Unit |
|---------------|-------|--------|---------|-----------|---------|------------------|--------------------------|
| DHSA2N1N40320 | 1P | 320 V | 20 kA | 40 kA | 1.5 kV | No | 1530.00 |
| DHSA2N1N40275 | 1P | 275 V | 20 kA | 40 kA | 1.3 kV | No | 1530.00 |
| DHSA2NAN40320 | 1P+N | 320 V | 20 kA | 40 kA | 1.5 kV | No | 2555.00 |
| DHSA2NAN40275 | 1P+N | 275 V | 20 kA | 40 kA | 1.3 kV | No | 2555.00 |
| DHSA2NBN40320 | TP+N | 320 V | 20 kA | 40 kA | 1.5 kV | No | 4185.00 |
| DHSA2NBN40275 | TP+N | 275 V | 20 kA | 40 kA | 1.3 kV | No | 4185.00 |
| DHSA2R1N40320 | 1P | 320 V | 20 kA | 40 kA | 1.5 kV | Yes | 1695.00 |
| DHSA2R1N40275 | 1P | 275 V | 20 kA | 40 kA | 1.3 kV | Yes | 1695.00 |
| DHSA2RAN40320 | 1P+N | 320 V | 20 kA | 40 kA | 1.5 kV | Yes | 2720.00 |
| DHSA2RAN40275 | 1P+N | 275 V | 20 kA | 40 kA | 1.3 kV | Yes | 2720.00 |
| DHSA2RBN40320 | TP+N | 320 V | 20 kA | 40 kA | 1.5 kV | Yes | 4350.00 |
| DHSA2RBN40275 | TP+N | 275 V | 20 kA | 40 kA | 1.3 kV | Yes | 4350.00 |

Cartridges

HSN Code - 8536

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



Type 1+2 Photovoltaic Surge Protection Device

HSN Code - 8535

| Order Code | Uc _{pv} (V) | In (kA) | Iimp (kA) | Imax (kA) | Up (kV) | Remote Signaling | List Price in ₹ Per Unit |
|---------------|----------------------|---------|-----------|-----------|---------|------------------|--------------------------|
| DHSDANCC6012H | 1200 Vdc | 20 kA | 12.5 kA | 60 kA | 4 kV | No | 14818.00 |
| DHSDARCC6012H | 1200 Vdc | 20 kA | 12.5 kA | 60 kA | 4 kV | Yes | 15128.00 |
| DHSDANCB4012H | 1200 Vdc | 20 kA | 6 kA | 40 kA | 4 kV | No | 7851.00 |
| DHSDARCB4012H | 1200 Vdc | 20 kA | 6 kA | 40 kA | 4 kV | Yes | 8161.00 |

Cartridges

HSN Code - 8536

| Order Code | Pole | Uc _{pv} (V) | In (kA) | Iimp (kA) | Imax (kA) | Up (kV) | List Price in ₹ Per Unit |
|------------|------|----------------------|---------|-----------|-----------|---------|--------------------------|
| DSSRCX0154 | - | 1200 Vdc | 20 kA | 6 kA | 40 kA | 4 kV | 3500.00 |



Type 2 Photovoltaic Surge Protection Device

HSN Code - 8535

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

Cartridges

HSN Code - 8536

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



Dataline Surge Protection Device

HSN Code - 8536

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

* Spare Cartridges Available on Request.

TIME SWITCH

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



Time Switch

HSN Code - 9107

| Description | Cat. No. | List Price in ₹ Per Unit |
|--|------------|--------------------------|
| 24 Hour Analog Time Switch (SST* - 15 min) | DHTED15016 | 3509.00 |
| 24 Hour Analog Time Switch (SST* - 30 min) | DHTED30016 | 3173.00 |
| Astronomical + Digital Time Switch-3 years | DHTQB01016 | 3639.00 |
| Digital Weekly Time Switch-3 years | DHTJW01016 | 3367.00 |
| Multifunction Time Switch-10 years | DHTLB01016 | 6334.00 |
| Twilight Time Switch | DHTPNN025 | 3268.00 |
| Staircase Time Switch-3 years | DHTMNX5016 | 1839.00 |

* Shortest Switching Time

ACCL

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

HSN Code - 8536



| Mains Rating | Gen Rating | Product Code | Description | List Price in ₹ Per Unit |
|-----------------|-----------------|--------------|------------------------------------|--------------------------|
| SPN 30 (6000 W) | SPN 1.5 (300 W) | DHADOSN301X | 30 A/1.5 A ACCL W/O GEN START/STOP | 2244.00 |
| SPN 30 (6000 W) | SPN 2.5 (500 W) | DHADOSN302X | 30 A/2.5 A ACCL W/O GEN START/STOP | 2244.00 |
| SPN 30 (6000 W) | SPN 3 (600 W) | DHADOSN3003 | 30 A/03 A ACCL W/O GEN START/STOP | 2244.00 |
| SPN 30 (6000 W) | SPN 4 (800 W) | DHADOSN3004 | 30 A/04 A ACCL W/O GEN START/STOP | 2244.00 |
| SPN 30 (6000 W) | SPN 5 (1000 W) | DHADOSN3005 | 30 A/05 A ACCL W/O GEN START/STOP | 2244.00 |
| SPN 30 (6000 W) | SPN 6 (1200 W) | DHADOSN3006 | 30 A/06 A ACCL W/O GEN START/STOP | 2244.00 |
| SPN 30 (6000 W) | SPN 9 (1800 W) | DHADOSN3009 | 30 A/09 A ACCL W/O GEN START/STOP | 2244.00 |
| SPN 30 (6000 W) | SPN 12 (2400 W) | DHADOSN3012 | 30 A/12 A ACCL W/O GEN START/STOP | 2244.00 |
| SPN 30 (6000 W) | SPN 15 (3000 W) | DHADOSN3015 | 30 A/15 A ACCL W/O GEN START/STOP | 2244.00 |
| SPN 30 (6000 W) | SPN 20 (4000 W) | DHADOSN3020 | 30 A/20 A ACCL W/O GEN START/STOP | 2244.00 |

MCB Isolator



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

HSN Code - 8536

| Rating | SP Cat. No. | List Price in ₹ Per Unit | DP Cat. No. | List Price in ₹ Per Unit |
|--------|-------------|-----------------------------|-------------|-----------------------------|
| 40 A | - | - | DHMZIDPX040 | 584.00 |
| 63 A | - | - | DHMZIDPX063 | 757.00 |
| 80 A | - | - | DHMZIDPX080 | 1029.00 |
| 100 A | - | - | DHMZIDPX100 | 1041.00 |
| 125 A | - | - | DHMZIDPX125 | 1124.00 |
| Rating | TP Cat. No. | List Price in ₹ Per Unit | FP Cat. No. | List Price in ₹ Per Unit |
| 40 A | DHMZITPX040 | 1248.00 | DHMZIFPX040 | 1376.00 |
| 63 A | DHMZITPX063 | 1413.00 | DHMZIFPX063 | 1392.00 |
| 80 A | DHMZITPX080 | 1670.00 | DHMZIFPX080 | 1827.00 |
| 100 A | DHMZITPX100 | 1682.00 | DHMZIFPX100 | 1840.00 |
| 125 A | DHMZITPX125 | 1716.00 | DHMZIFPX125 | 2025.00 |

Industrial Plug



Industrial Plug

HSN Code - 8536

| Rating | Poles | Code | Type | Earth-Contact position | Std. / Master Packing (No. of Unit/s) | List Price in ₹ Per Unit |
|--------|--------|------------|------|---------------------------|---|-----------------------------|
| 16 A | 2P+E | DHQBA63016 | IP44 | 6h | 4 N | 499.00 |
| 32 A | 2P+E | DHQBA63032 | IP44 | 6h | 4 N | 701.00 |
| 16 A | 3P+N+E | DHQBA65016 | IP44 | 6h | 4 N | 608.00 |
| 32 A | 3P+N+E | DHQBA65032 | IP44 | 6h | 4 N | 905.00 |
| 16 A | 2P+E | DHQBB63016 | IP67 | 6h | 4 N | 855.00 |
| 32 A | 2P+E | DHQBB63032 | IP67 | 6h | 4 N | 1349.00 |
| 16 A | 3P+N+E | DHQBB65016 | IP67 | 6h | 4 N | 1170.00 |
| 32 A | 3P+N+E | DHQBB65032 | IP67 | 6h | 2 N | 1398.00 |
| 63 A | 3P+N+E | DHQBB65063 | IP67 | 6h | 1 N | 3555.00 |

Industrial Connector



Industrial Connector

HSN Code - 8536

| Rating | Poles | Code | Type | Earth-Contact position | Std. / Master Packing (No. of Unit/s) | List Price in ₹ Per Unit |
|--------|--------|------------|------|---------------------------|---|-----------------------------|
| 16 A | 2P+E | DHQDA63016 | IP44 | 6h | 4 N | 656.00 |
| 32 A | 2P+E | DHQDA63032 | IP44 | 6h | 4 N | 829.00 |
| 16 A | 3P+N+E | DHQDA65016 | IP44 | 6h | 4 N | 785.00 |
| 32 A | 3P+N+E | DHQDA65032 | IP44 | 6h | 4 N | 1057.00 |
| 16 A | 2P+E | DHQDB63016 | IP67 | 6h | 4 N | 1155.00 |
| 32 A | 2P+E | DHQDB63032 | IP67 | 6h | 4 N | 1613.00 |
| 16 A | 3P+N+E | DHQDB65016 | IP67 | 6h | 4 N | 1543.00 |
| 32 A | 3P+N+E | DHQDB65032 | IP67 | 6h | 2 N | 1813.00 |
| 63 A | 3P+N+E | DHQDB65063 | IP67 | 6h | 1 N | 4131.00 |

Panel Socket



Industrial Panel Socket

HSN Code - 8536

| Rating | Poles | Code | Type | Earth-Contact position | Std. / Master Packing (No. of Unit/s) | List Price in ₹ Per Unit |
|--------|--------|------------|------|------------------------|---------------------------------------|--------------------------|
| 16 A | 2P+E | DHQCA63016 | IP44 | 6h | 6 N | 457.00 |
| 32 A | 2P+E | DHQCA63032 | IP44 | 6h | 4 N | 791.00 |
| 16 A | 3P+N+E | DHQCA65016 | IP44 | 6h | 4 N | 744.00 |
| 32 A | 3P+N+E | DHQCA65032 | IP44 | 6h | 4 N | 900.00 |
| 16 A | 2P+E | DHQCB63016 | IP67 | 6h | 4 N | 914.00 |
| 32 A | 2P+E | DHQCB63032 | IP67 | 6h | 4 N | 1070.00 |
| 16 A | 3P+N+E | DHQCB65016 | IP67 | 6h | 4 N | 1065.00 |
| 32 A | 3P+N+E | DHQCB65032 | IP67 | 6h | 3 N | 1393.00 |
| 63 A | 3P+N+E | DHQCB65063 | IP67 | 6h | 1 N | 3710.00 |

Interlocking Socket



Industrial Interlocking Socket

HSN Code - 8536

| Rating | Poles | Code | Type | Earth-Contact position | Std. / Master Packing (No. of Unit/s) | List Price in ₹ Per Unit |
|--------|--------|------------|------|------------------------|---------------------------------------|--------------------------|
| 16 A | 2P+E | DHQIA63016 | IP44 | 6h | 1 N | 6376.00 |
| 32 A | 3P+N+E | DHQIA65032 | IP44 | 6h | 1 N | 9651.00 |
| 16 A | 2P+E | DHQWB63016 | IP67 | 6h | 1 N | 6585.00 |
| 32 A | 3P+N+E | DHQWB65032 | IP67 | 6h | 1 N | 10270.00 |

Solution with Insulated Plug & Socket



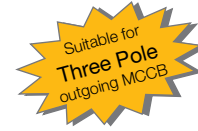
Solution with Insulated Plug & Socket

HSN Code - 8536

| Rating | Poles | Code | MCB Module Available | Earth-Contact position | Std. / Master Packing (No. of Unit/s) | List Price in ₹ Per Unit |
|--------|--------|------------|----------------------|------------------------|---------------------------------------|--------------------------|
| 16 A | 2P+E | DHDPBDP016 | 2 | 6h | 1 N | 1815.00 |
| 16 A | 3P+N+E | DHDPBTN016 | 4 | 6h | 1 N | 2189.00 |
| 32 A | 2P+E | DHDPBDP032 | 2 | 6h | 1 N | 2485.00 |
| 32 A | 3P+N+E | DHDPBTN032 | 4 | 6h | 1 N | 2807.00 |
| 32 A | 3P+N+E | DHDPBEN032 | 8 | 6h | 1 N | 3594.00 |
| 63 A | 3P+N+E | DHDPBEN063 | 8 | 6h | 1 N | 9294.00 |

Note: MCB to be bought separately.

'G' Frame Panel Boards, O/G TP MCCBs G-Frame HSN Code: 8537



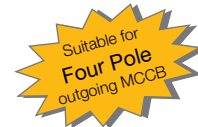
| Incomer** | Outgoing* (No. of Ways) | Single Door Item Code | Per Unit LP (₹) | Double Door Item Code | Per Unit LP (₹) |
|-----------------------------|-------------------------|-----------------------|-----------------|-----------------------|-----------------|
| 250 A "AA" Frame MCCB | 2 | IHVG025002 | 41245.00 | IHVG02500200 | 45060.00 |
| | 4 | IHVG025004 | 51815.00 | IHVG02500400 | 55580.00 |
| | 6 | IHVG025006 | 59300.00 | IHVG02500600 | 63090.00 |
| | 8 | IHVG025008 | 64210.00 | IHVG02500800 | 68000.00 |
| | 12 | IHVG025012 | 79290.00 | IHVG02501200 | 83020.00 |
| | 16 | IHVG025016 | 93290.00 | IHVG02501600 | 97080.00 |
| 400 A "LS" Frame MCCB | 2 | IHLG040002 | 48180.00 | IHLG04000200 | 52650.00 |
| | 4 | IHLG040004 | 57535.00 | IHLG04000400 | 61720.00 |
| | 6 | IHLG040006 | 61245.00 | IHLG04000600 | 65165.00 |
| | 8 | IHLG040008 | 65425.00 | IHLG04000800 | 69290.00 |
| | 12 | IHLG040012 | 84280.00 | IHLG04001200 | 88230.00 |
| | 16 | IHLG040016 | 100080.00 | IHLG04001600 | 104155.00 |

Single door



* The outgoings number of ways is the number of "G" Frame TP MCCBs that can be mounted. In case of SP MCCBs the number of MCCBs shall be three times the number of ways in TP MCCBs.
** Maximum ratings are indicated for the incoming MCCBs however lower ratings in the same frame can be ordered.
The above prices are for bare enclosures only, incoming and outgoing MCCBs have to be ordered separately.

'G' Frame Panel Boards, O/G FP MCCBs G-Frame HSN Code: 8537



| Incomer** | Outgoing* (No. of Ways) | Single Door Item Code | Per Unit LP (₹) | Double Door Item Code | Per Unit LP (₹) |
|-----------------------------|-------------------------|-----------------------|-----------------|-----------------------|-----------------|
| 250 A "AA" Frame MCCB | 2 | IHVGF25002 | 44395.00 | IHVGF2500200 | 48130.00 |
| | 4 | IHVGF25004 | 55215.00 | IHVGF2500400 | 58990.00 |
| | 6 | IHVGF25006 | 65015.00 | IHVGF2500600 | 68745.00 |
| | 8 | IHVGF25008 | 70165.00 | IHVGF2500800 | 73940.00 |
| | 12 | IHVGF25012 | 101785.00 | IHVGF2501200 | 105550.00 |
| 400 A "LS" Frame MCCB | 2 | IHLGF40002 | 51860.00 | IHLGF4000200 | 56235.00 |
| | 4 | IHLGF40004 | 61315.00 | IHLGF4000400 | 65490.00 |
| | 6 | IHLGF40006 | 67140.00 | IHLGF4000600 | 71000.00 |
| | 8 | IHLGF40008 | 71490.00 | IHLGF4000800 | 75350.00 |
| | 12 | IHLGF40012 | 108175.00 | IHLGF4001200 | 112180.00 |

* 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. Outgoing spreader link for MCCB are available on request.
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' & 'L' Frame MCCB

HSN Code: 8537

| Sl. No. | Description* | Single Door Item Code | Per Unit LP (₹) | Double Door Item Code | Per Unit LP (₹) |
|---------|--|-----------------------|-----------------|-----------------------|-----------------|
| 1 | Cable Alley I/C 250 A,O/G 3P GF 2/4Way | ISSBOU0674 | 15995.00 | ISSBOU0690 | 17150.00 |
| 2 | Cable Alley I/C 250 A,O/G 3P GF 6WAY & 4P 2/4Way | ISSBOU0675 | 21475.00 | ISSBOU0691 | 22640.00 |
| 3 | Cable Alley I/C 250 A,O/G 3P GF 8WAY & 4P 6Way | ISSBOU0676 | 21770.00 | ISSBOU0692 | 23745.00 |
| 4 | Cable Alley I/C 250 A,O/G 3P GF 12Way | ISSBOU0677 | 24695.00 | ISSBOU0693 | 25380.00 |
| 5 | Cable Alley I/C 250 A,O/G 4P GF 8Way | ISSBOU0678 | 24695.00 | ISSBOU0694 | 25380.00 |
| 6 | Cable Alley I/C 250 A,O/G 3P GF 16Way & 4P 12Way | ISSBOU0679 | 29090.00 | ISSBOU0696 | 30190.00 |
| 7 | Cable Alley I/C 400 A,O/G 3P GF 2/4Way | ISSBOU0680 | 18935.00 | ISSBOU0697 | 19620.00 |
| 8 | Cable Alley I/C 400 A,O/G 3P GF 6WAY & 4P 2/4Way | ISSBOU0681 | 18935.00 | ISSBOU0698 | 19620.00 |
| 9 | Cable Alley I/C 400 A/630 A, O/G 3P GF 8Way, 4P 6Way & A/F 6Way | ISSBOU0682 | 25460.00 | ISSBOU0699 | 26695.00 |
| 10 | Cable Alley I/C 400 A,O/G 3P GF 12Way | ISSBOU0683 | 29380.00 | ISSBOU0700 | 30190.00 |
| 11 | Cable Alley I/C 400 A/630 A, O/G 4P GF 8Way & TP A/F 8Way | ISSBOU0684 | 30880.00 | ISSBOU0701 | 31560.00 |
| 12 | Cable Alley I/C 400 A/630, O/G 4P GF 12Way, TP GF 16Way & TP A/F 12Way | ISSBOU0685 | 32250.00 | ISSBOU0702 | 32935.00 |

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

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

HSN Code: 8537

| Incomer** | Outgoing* (No. of Ways) | Single Door Item Code | Per Unit LP (₹) | Double Door Item Code | Per Unit LP (₹) |
|-----------------------------|-------------------------|-----------------------|-----------------|-----------------------|-----------------|
| 400 A "LS" Frame MCCB | 6 | IHLA040006 | 83090.00 | IHLA04000600 | 86115.00 |
| | 8 | IHLA040008 | 88755.00 | IHLA04000800 | 91860.00 |
| | 12 | IHLA040012 | 114320.00 | IHLA04001200 | 117285.00 |
| 630 A "L" Frame MCCB | 6 | IHLA063006 | 91340.00 | IHLA06300600 | 96370.00 |
| | 8 | IHLA063008 | 97340.00 | IHLA06300800 | 100955.00 |
| | 12 | IHLA063012 | 115650.00 | IHLA06301200 | 130520.00 |

Double door



* The outgoing number of ways is the number of "A" Frame TP MCCBs that can be mounted.

** Maximum ratings are indicated for the incoming MCCBs however lower ratings in the same frame can be ordered. Outgoing spreader link for MCCB are available on request.

The above prices are for bare enclosures only, incoming and outgoing MCCBs have to be ordered separately.

Terminal for G & A Frame Outgoing

| S. No. | Description | Item Code | Per Unit LP (₹) |
|--------|--|--------------|-----------------|
| 1 | Terminal for G Frame Outgoing (Per Pole) | ISCCUPBOP151 | 115.00 |
| 2 | Terminal for A Frame Outgoing (Per Pole) | ISCCUPBOP167 | 295.00 |

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

| S. No. | Description | Single Door Item Code | Per Unit LP (₹) | Double Door Item Code | Per Unit LP (₹) |
|--------|-------------------------------|-----------------------|-----------------|-----------------------|-----------------|
| 1 | Prewire Meter Module - Analog | ISSBOU0689 | 18525.00 | ISSBOU0706 | 19225.00 |
| 2 | Meter Module - Digital | ISSBOU0711 | 22780.00 | ISSBOU0707 | 24020.00 |

Bare Meter Module / MCB Module / Add on Module

| S. No. | Description | Single Door Item Code | Per Unit LP (₹) | Double Door Item Code | Per Unit LP (₹) |
|--------|---|-----------------------|-----------------|-----------------------|-----------------|
| 1 | Meter Module - Analog Provision for Ammeter, Voltmeter - Analog with selector switch | ISSBOU0686 | 7135.00 | ISSBOU0703 | 8230.00 |
| 2 | MCB Module | ISSBOU0687 | 7135.00 | ISSBOU0704 | 8230.00 |
| 3 | Add on Module | ISSBOU0688 | 7135.00 | ISSBOU0705 | 8230.00 |

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**

| S. No. | Description | Item Code | Per Unit LP (₹) |
|--------|--|------------|-----------------|
| 1 | 250 A Incoming change Over switch-F1 | ISSBOU0708 | 13550.00 |
| 2 | 400 A & 630 A Incoming change Over switch - F2 | ISSBOU0709 | 19915.00 |

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

Add on Incoming Changeover Switch with Enclosure

| S. No. | Description | Item Code | Per Unit LP (₹) |
|--------|--|------------|-----------------|
| 1 | 250 A Incoming change Over switch-F1 | ISSBOU0712 | 53955.00 |
| 2 | 400 A Incoming change Over switch - F2 | ISSBOU0713 | 71500.00 |
| 3 | 630 A Incoming change Over switch - F3 | ISSBOU0714 | 79950.00 |

Add on Incoming Automatic Changeover Switch with Enclosure

| S. No. | Description | Item Code | Per Unit LP (₹) |
|--------|----------------------------|------------|-----------------|
| 1 | 100A ATS FITT. ENCL P.SAFE | ISSBOU1128 | 143195.00 |
| 2 | 125A ATS FITT. ENCL P.SAFE | ISSBOU1129 | 149895.00 |
| 3 | 250A ATS FITT. ENCL P.SAFE | ISSBOU1126 | 208635.00 |



Euroload (ON-Load) Changeover Switch (4 Pole) I-0-II

(Conforms to IS/IEC:60947-3)

HSN Code: 8536

| Frame Size | Rating (A) | Open Execution Item Code | Per Unit LP (₹) | SS Enclosure Item Code | Per Unit LP (₹) |
|------------|------------|--------------------------|-----------------|------------------------|-----------------|
| 00 | 040 A | IHCNFO0040 | 5355.00 | IHCNFE0040 | 7870.00 |
| 00 | 063 A | IHCNFO0063 | 5630.00 | IHCNFE0063 | 8385.00 |
| 00 | 100 A | IHCNFO0100 | 7545.00 | IHCNFE0100 | 10565.00 |
| 0 | 125 A | IHCNFO0125 | 11270.00 | IHCNFE0125 | 15845.00 |
| 0 | 160 A | IHCNFO0160 | 12075.00 | IHCNFE0160 | 16875.00 |
| 0 | 200 A | IHCNFO0200 | 14480.00 | IHCNFE0200 | 19440.00 |
| 1 | 250 A | IHCNFO0250 | 20950.00 | IHCNFE0250 | 26885.00 |
| 1 | 320 A | IHCNFO0320 | 22135.00 | IHCNFE0320 | 28120.00 |
| 2 | 400 A | IHCNFO0400 | 31985.00 | IHCNFE0400 | 41375.00 |
| 2 | 630 A | IHCNFO0630 | 38005.00 | IHCNFE0630 | 47880.00 |
| 3 | 800 A | IHCNFO0800 | 56885.00 | IHCNFE0800 | 72260.00 |
| 4 | 1000 A | IHCNFO1000 | 96885.00 | IHCNFE1000 | 131705.00 |
| 4 | 1250 A | IHCNFO1250 | 128630.00 | IHCNFE1250 | 176320.00 |
| 4 | 1600 A | IHCNFO1600 | 153185.00 | IHCNFE1600 | 236775.00 |
| 5 | 2000 A | IHCNFO2000 | 237335.00 | IHCNFE2000 | 311975.00 |
| 5 | 2500 A | IHCNFO2500 | 314780.00 | IHCNFE2500 | 398300.00 |
| 5 | 3150 A | IHCNFO3150 | 430950.00 | IHCNFE3150 | 539590.00 |



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.
For motorised changeover please contact with nearest branch.

Instaprime Automatic Transfer Switch

Four Pole, AC-32B / AC - 33B*, 50 Hz, 415 V
Automatic/Manual Range

HSN Code: 8537

| Rating (A) | Open Execution Item Code | Per Unit LP (₹) | Cat. no. 4 pole (Close Execution) | Per Unit LP (₹) |
|------------|--------------------------|-----------------|-----------------------------------|-----------------|
| 40 A | IHRFBAO040 | 24605.00 | IHRFBAE040 | 26670.00 |
| 63 A | IHRFBAO063 | 25725.00 | IHRFBAE063 | 27790.00 |
| 80 A | IHRFBAO080 | 27000.00 | IHRFBAE080 | 29060.00 |
| 100 A | IHRFBAO100 | 27915.00 | IHRFBAE100 | 29975.00 |
| 125 A | IHRFBAO125 | 31615.00 | IHRFBAE125 | 33675.00 |

* Up to 80 A



Instaline Automatic Transfer Switch

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

HSN Code: 8537

| Rating A | Item Code 4P | Per Unit LP (₹) | Item Code 4P | Per Unit LP (₹) |
|----------|----------------|-----------------|----------------|-----------------|
| | Open Execution | | With Enclosure | |
| 100 A | IHYFCDO100 | 51480.00 | IHYFCDE100 | 62910.00 |
| 125 A | IHYFCDO125 | 55225.00 | IHYFCDE125 | 66120.00 |
| 160 A | IHYFCDO160 | 60955.00 | IHYFCDE160 | 72715.00 |
| 200 A | IHYFCDO200 | 77150.00 | IHYFCDE200 | 88890.00 |
| 250 A | IHYFCDO250 | 86530.00 | IHYFCDE250 | 98610.00 |
| 315 A | IHYFCDO315 | 90455.00 | IHYFCDE315 | 10219.00 |
| 400 A | IHYFCDO400 | 103550.00 | IHYFCDE400 | 123985.00 |
| 500 A | IHYFCDO500 | 120550.00 | IHYFCDE500 | 140575.00 |
| 630 A | IHYFCDO630 | 132875.00 | IHYFCDE630 | 152905.00 |



ATS without controller is available on request

ATS Wire Harness: HSN Code: 8537

| Item Code | Per Unit LP (₹) |
|------------|-----------------|
| ISSYAX0201 | 3390.00 |

Euroload By Pass Switch

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

Four Pole, 415 V

HSN Code: 8536

| Frame Size | Current Rating (A) | Open Execution Item Code | Per Unit LP (₹) |
|------------|--------------------|--------------------------|-----------------|
| 00 | 063 A | IHCBFO0063 | 10390.00 |
| 00 | 100 A | IHCBFO0100 | 12250.00 |
| 0 | 125 A | IHCBFO0125 | 15610.00 |
| 0 | 160 A | IHCBFO0160 | 18595.00 |
| 0 | 200 A | IHCBFO0200 | 19995.00 |
| 1 | 250 A | IHCBFO0250 | 28930.00 |
| 1 | 320 A | IHCBFO0320 | 30565.00 |
| 2 | 400 A | IHCBFO0400 | 44175.00 |
| 2 | 630 A | IHCBFO0630 | 52485.00 |
| 3 | 800 A | IHCBFO0800 | 78560.00 |
| 3 | 1000 A | IHCBFO1000 | 133790.00 |
| 3 | 1600 A | IHCBFO1600 | 211550.00 |

Accessories:

HSN Code: 8538

| Aux. Contact | Item Code | Per Unit LP (₹) |
|--------------|-------------|-----------------|
| 1 NO. 1 NC. | IHCNFACT1CO | 390.00 |
| 2 NO. 2 NC. | IHCNFACT2CO | 525.00 |



Euroload Switch Disconnecter

(Conforms to IS/IEC:60947-3)

Three Pole, 415 V

HSN Code: 8536

| Frame Size | Current Rating A | Open Execution Item Code | Per Unit LP (₹) | SS Enclosure Item Code | Per Unit LP (₹) |
|------------|------------------|--------------------------|-----------------|------------------------|-----------------|
| 0 | 80 A | IHCSTO0080 | 1960.00 | IHCSTE0080 | 3050.00 |
| 0 | 100 A | IHCSTO0100 | 2970.00 | IHCSTE0100 | 4225.00 |
| 0 | 125 A | IHCSTO0125 | 3955.00 | IHCSTE0125 | 5140.00 |
| 0 | 160 A | IHCSTO0160 | 4710.00 | IHCSTE0160 | 6495.00 |
| 0 | 200 A | IHCSTO0200 | 5350.00 | IHCSTE0200 | 6630.00 |
| 1 | 250 A | IHCSTO0250 | 6685.00 | IHCSTE0250 | 8515.00 |
| 1 | 320 A | IHCSTO0320 | 7340.00 | IHCSTE0320 | 9335.00 |
| 1 | 400 A | IHCSTO0400 | 10570.00 | IHCSTE0400 | 12735.00 |



Euroload Switch Disconnecter

Four Pole, 415 V

HSN Code: 8536

| Frame Size | Current Rating A | Open Execution Item Code | Per Unit LP (₹) | SS Enclosure Item Code | Per Unit LP (₹) |
|------------|------------------|--------------------------|-----------------|------------------------|-----------------|
| 00 | 40 A | IHCSFO0040 | 1435.00 | IHCSFE0040 | 2350.00 |
| 00 | 63 A | IHCSFO0063 | 1620.00 | IHCSFE0063 | 2565.00 |
| 00 | 80 A | IHCSFO0080 | 2400.00 | IHCSFE0080 | 3255.00 |
| 00 | 100 A | IHCSFO0100 | 3870.00 | IHCSFE0100 | 4735.00 |
| 0 | 125 A | IHCSFO0125 | 4125.00 | IHCSFE0125 | 5220.00 |
| 0 | 160 A | IHCSFO0160 | 4940.00 | IHCSFE0160 | 6030.00 |
| 0 | 200 A | IHCSFO0200 | 5960.00 | IHCSFE0200 | 7200.00 |
| 1 | 250 A | IHCSFO0250 | 7470.00 | IHCSFE0250 | 9685.00 |
| 1 | 320 A | IHCSFO0320 | 8190.00 | IHCSFE0320 | 10285.00 |
| 2 | 400 A | IHCSFO0400 | 11360.00 | IHCSFE0400 | 14200.00 |
| 2 | 630 A | IHCSFO0630 | 13010.00 | IHCSFE0630 | 16035.00 |
| 3 | 800 A | IHCSFO0800 | 19395.00 | IHCSFE0800 | 22880.00 |
| 4 | 1000 A | IHCSFO1000 | 29340.00 | IHCSFE1000 | 41565.00 |
| 4 | 1250 A | IHCSFO1250 | 44065.00 | IHCSFE1250 | 50000.00 |
| 4 | 1600 A | IHCSFO1600 | 60640.00 | IHCSFE1600 | 67235.00 |
| 5 | 2000 A | IHCSFO2000 | 69490.00 | IHCSFE2000 | 88525.00 |
| 5 | 2500 A | IHCSFO2500 | 90175.00 | IHCSFE2500 | 115870.00 |
| 5 | 3150 A | IHCSFO3150 | 127210.00 | IHCSFE3150 | 164680.00 |



Kompact *plus* Switch Disconnecter Fuse

HSN Code: 8537

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

Switch Disconnecter Fuse (Panel Mounting Cubicle Type) - AC-23A, 50 Hz, 415 V
Kompact Plus



| Rating A | Pole | Type of Fuse | With / Without Fuse | Item Code | Per Unit LP (₹) | Item Code | Per Unit LP (₹) | Suitable Fuse |
|----------|------|--------------|---------------------|----------------|-----------------|----------------------|-----------------|---------------|
| | | | | Open Execution | | In Sheet Steel Encl. | | |
| 32 A | TPN | Bolted Type | With 3 Fuses | IHKDTF4032 | 2655.00 | IHKDTW4032 | 4280.00 | IHHTIA0032 |
| 63 A | | | | IHKDTF4063 | 3655.00 | IHKDTW4063 | 5295.00 | IHHTSS0063 |
| 100 A | | | | IHKDTF4100 | 7405.00 | IHKDTW4100 | 8940.00 | IHHTSD0100 |
| 125 A | | | | IHKDTF4125 | 9470.00 | IHKDTW4125 | 11090.00 | IHHTSD0125 |
| 32 A | | Bolted Type | Without Fuse | IHKDTE4032 | 2315.00 | IHKDTE4032 | 3940.00 | IHHTIA0032 |
| 63 A | | | | IHKDTE4063 | 3235.00 | IHKDTE4063 | 4875.00 | IHHTSS0063 |
| 100 A | | | | IHKDTE4100 | 6530.00 | IHKDTE4100 | 8070.00 | IHHTSD0100 |
| 125 A | | | | IHKDTE4125 | 8595.00 | IHKDTE4125 | 10215.00 | IHHTSD0125 |
| 32 A | FP | Bolted Type | With 4 Fuses | IHKDFW4032 | 3630.00 | IHKDFW4032 | 5360.00 | IHHTIA0032 |
| 63 A | | | | IHKDFW4063 | 4635.00 | IHKDFW4063 | 6370.00 | IHHTSS0063 |
| 100 A | | | | IHKDFW4100 | 9285.00 | IHKDFW4100 | 11030.00 | IHHTSD0100 |
| 125 A | | | | IHKDFW4125 | 11300.00 | IHKDFW4125 | 13135.00 | IHHTSD0125 |
| 32 A | | Bolted Type | Without Fuse | IHKDFE4032 | 3175.00 | IHKDFE4032 | 4910.00 | IHHTIA0032 |
| 63 A | | | | IHKDFE4063 | 4070.00 | IHKDFE4063 | 5810.00 | IHHTSS0063 |
| 100 A | | | | IHKDFE4100 | 8115.00 | IHKDFE4100 | 9865.00 | IHHTSD0100 |
| 125 A | | | | IHKDFE4125 | 10135.00 | IHKDFE4125 | 11965.00 | IHHTSD0125 |
| 32 A | TPN | DIN Type | With 3 Fuses | IHKFTF4032 | 3860.00 | IHKFTW4032 | 5160.00 | IHHCD00032 |
| 63 A | | | | IHKFTF4063 | 4910.00 | IHKFTW4063 | 6350.00 | IHHCD00063 |
| 100 A | | | | IHKFTF4100 | 8395.00 | IHKFTW4100 | 10015.00 | IHHCD00100 |
| 125 A | | | | IHKFTF4125 | 10730.00 | IHKFTW4125 | 12375.00 | IHHCD00125 |
| 32 A | | DIN Type | Without Fuse | IHKFTE4032 | 2550.00 | IHKFTE4032 | 3850.00 | IHHCD00032 |
| 63 A | | | | IHKFTE4063 | 3550.00 | IHKFTE4063 | 4990.00 | IHHCD00063 |
| 100 A | | | | IHKFTE4100 | 6905.00 | IHKFTE4100 | 8525.00 | IHHCD00100 |
| 125 A | | | | IHKFTE4125 | 9205.00 | IHKFTE4125 | 10855.00 | IHHCD00125 |
| 32 A | FP | DIN Type | With 4 Fuses | IHKFFW4032 | 5250.00 | IHKFFW4032 | 6640.00 | IHHCD00032 |
| 63 A | | | | IHKFFW4063 | 6340.00 | IHKFFW4063 | 7860.00 | IHHCD00063 |
| 100 A | | | | IHKFFW4100 | 10860.00 | IHKFFW4100 | 12575.00 | IHHCD00100 |
| 125 A | | | | IHKFFW4125 | 12010.00 | IHKFFW4125 | 13710.00 | IHHCD00125 |
| 32 A | | DIN Type | Without Fuse | IHKFFE4032 | 3500.00 | IHKFFE4032 | 4890.00 | IHHCD00032 |
| 63 A | | | | IHKFFE4063 | 4525.00 | IHKFFE4063 | 6050.00 | IHHCD00063 |
| 100 A | | | | IHKFFE4100 | 8870.00 | IHKFFE4100 | 10590.00 | IHHCD00100 |
| 125 A | | | | IHKFFE4125 | 9980.00 | IHKFFE4125 | 11680.00 | IHHCD00125 |

Kompact *plus* Switch Disconnecter Fuse Unit

HSN Code: 8537

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

Switch Disconnecter Fuse (Panel Mounting Cubicle Type) - AC-23 A, 50 Hz, 415 V
Kompact EZO



TPN

| Rating A | Pole | Type of Fuse | | Item Code | Per Unit LP (₹) | Item Code | Per Unit LP (₹) | Suitable Fuse | | |
|----------|------|--------------|--------------|----------------|-----------------|----------------------|-----------------|---------------|----------|------------|
| | | | | Open Execution | | In Sheet Steel Encl. | | | | |
| 160 A | TPN | Bolted Type | With 3 Fuses | IHFSTF4160 | 10770.00 | IHFSTW4160 | 13900.00 | IHHTSF0160 | | |
| 200 A | | | | IHFSTF4200 | 13875.00 | IHFSTW4200 | 16905.00 | IHHTSF0200 | | |
| 250 A | | | | IHFSTF4250 | 16335.00 | IHFSTW4250 | 19260.00 | IHHTSF0250 | | |
| 320 A | | | | IHFSTF4320 | 20310.00 | IHFSTW4320 | 23800.00 | IHHTSK0315 | | |
| 400 A | | | | IHFSTF4400 | 25645.00 | IHFSTW4400 | 28950.00 | IHHTSMF400 | | |
| 630 A | | | | IHFSTF4630 | 42855.00 | IHFSTW4630 | 46220.00 | IHHTLM0630 | | |
| 800 A | | | | IHFSTF4800 | 50145.00 | IHFSTW4800 | 53440.00 | IHHTLM0800 | | |
| 160 A | | | | Bolted Type | Without Fuse | IHFSTO4160 | 9405.00 | IHFSTE4160 | 12540.00 | IHHTSF0160 |
| 200 A | | IHFSTO4200 | 12510.00 | | | IHFSTE4200 | 15545.00 | IHHTSF0200 | | |
| 250 A | | IHFSTO4250 | 14860.00 | | | IHFSTE4250 | 17790.00 | IHHTSF0250 | | |
| 320 A | | IHFSTO4320 | 18380.00 | | | IHFSTE4320 | 21870.00 | IHHTSK0315 | | |
| 400 A | | IHFSTO4400 | 22015.00 | | | IHFSTE4400 | 25320.00 | IHHTSMF400 | | |
| 630 A | | IHFSTO4630 | 35485.00 | | | IHFSTE4630 | 38850.00 | IHHTLM0630 | | |
| 800 A | | IHFSTO4800 | 41930.00 | | | IHFSTE4800 | 45225.00 | IHHTLM0800 | | |
| 160 A | | DIN Type | With 3 Fuses | | | IHFKTF4160 | 12020.00 | IHFKTW4160 | 14930.00 | IHHCD01160 |
| 200 A | | | | IHFKTF4200 | 14675.00 | IHFKTW4200 | 18250.00 | IHHCD01200 | | |
| 250 A | | | | IHFKTF4250 | 17205.00 | IHFKTW4250 | 20585.00 | IHHCD01250 | | |
| 320 A | | | | IHFKTF4320 | 21330.00 | IHFKTW4320 | 24595.00 | IHHCD02315 | | |
| 400 A | | | | IHFKTF4400 | 25375.00 | IHFKTW4400 | 28620.00 | IHHCD02400 | | |
| 630 A | | | | IHFKTF4630 | 40740.00 | IHFKTW4630 | 44225.00 | IHHCD03630 | | |
| 160 A | | | | DIN Type | Without Fuse | IHFKTO4160 | 9815.00 | IHFKTE4160 | 12730.00 | IHHCD01160 |
| 200 A | | | | | | IHFKTO4200 | 12475.00 | IHFKTE4200 | 16050.00 | IHHCD01200 |
| 250 A | | IHFKTO4250 | 14725.00 | | | IHFKTE4250 | 18105.00 | IHHCD01250 | | |
| 320 A | | IHFKTO4320 | 18140.00 | | | IHFKTE4320 | 21405.00 | IHHCD02315 | | |
| 400 A | | IHFKTO4400 | 21940.00 | | | IHFKTE4400 | 25185.00 | IHHCD02400 | | |
| 630 A | | IHFKTO4630 | 35325.00 | | | IHFKTE4630 | 38815.00 | IHHCD03630 | | |
| 800 A | | IHFKTO4800 | 38320.00 | | | IHFKTE4800 | 42700.00 | | | |

Kompact *plus* Switch Disconnecter Fuse

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

HSN Code: 8537



Four Pole

| Rating A | Pole | Type of Fuse | | Item Code | Per Unit LP (₹) | Item Code | Per Unit LP (₹) | Suitable Fuse | | |
|----------|------|--------------|--------------|----------------|-----------------|----------------------|-----------------|---------------|----------|------------|
| | | | | Open Execution | | In Sheet Steel Encl. | | | | |
| 160 A | FP | Bolted Type | With 4 Fuses | IHFSFF4160 | 14765.00 | IHFSFW4160 | 17780.00 | IHHTSF0160 | | |
| 200 A | | | | IHFSFF4200 | 17185.00 | IHFSFW4200 | 20010.00 | IHHTSF0200 | | |
| 250 A | | | | IHFSFF4250 | 19695.00 | IHFSFW4250 | 22410.00 | IHHTSF0250 | | |
| 320 A | | | | IHFSFF4320 | 22975.00 | IHFSFW4320 | 26095.00 | IHHTSK0315 | | |
| 400 A | | | | IHFSFF4400 | 28210.00 | IHFSFW4400 | 31845.00 | IHHTSMF400 | | |
| 630 A | | | | IHFSFF4630 | 47140.00 | IHFSFW4630 | 50840.00 | IHHTLM0630 | | |
| 800 A | | | | IHFSFF4800 | 55160.00 | IHFSFW4800 | 58780.00 | IHHTLM0800 | | |
| 160 A | | | | Bolted Type | Without Fuse | IHFSFO4160 | 12950.00 | IHFSFE4160 | 15970.00 | IHHTSF0160 |
| 200 A | | IHFSFO4200 | 15370.00 | | | IHFSFE4200 | 18200.00 | IHHTSF0200 | | |
| 250 A | | IHFSFO4250 | 17730.00 | | | IHFSFE4250 | 20445.00 | IHHTSF0250 | | |
| 320 A | | IHFSFO4320 | 20405.00 | | | IHFSFE4320 | 24055.00 | IHHTSK0315 | | |
| 400 A | | IHFSFO4400 | 24220.00 | | | IHFSFE4400 | 27855.00 | IHHTSMF400 | | |
| 630 A | | IHFSFO4630 | 39030.00 | | | IHFSFE4630 | 42730.00 | IHHTLM0630 | | |
| 800 A | | IHFSFO4800 | 46120.00 | | | IHFSFE4800 | 49745.00 | IHHTLM0800 | | |
| 160 A | | DIN Type | With 4 Fuses | | | IHFKFF4160 | 14175.00 | IHFKFW4160 | 16890.00 | IHHCD01160 |
| 200 A | | | | IHFKFF4200 | 17850.00 | IHFKFW4200 | 20575.00 | IHHCD01200 | | |
| 250 A | | | | IHFKFF4250 | 18925.00 | IHFKFW4250 | 22640.00 | IHHCD01250 | | |
| 320 A | | | | IHFKFF4320 | 23465.00 | IHFKFW4320 | 27060.00 | IHHCD02315 | | |
| 400 A | | | | IHFKFF4400 | 27915.00 | IHFKFW4400 | 31480.00 | IHHCD02400 | | |
| 630 A | | | | IHFKFF4630 | 47410.00 | IHFKFW4630 | 50555.00 | IHHCD03630 | | |
| 160 A | | | | DIN Type | Without Fuse | IHFKFO4160 | 11235.00 | IHFKFE4160 | 13955.00 | IHHCD01160 |
| 200 A | | | | | | IHFKFO4200 | 14915.00 | IHFKFE4200 | 17635.00 | IHHCD01200 |
| 250 A | | IHFKFO4250 | 16195.00 | | | IHFKFE4250 | 19915.00 | IHHCD01250 | | |
| 320 A | | IHFKFO4320 | 19955.00 | | | IHFKFE4320 | 23550.00 | IHHCD02315 | | |
| 400 A | | IHFKFO4400 | 24135.00 | | | IHFKFE4400 | 27700.00 | IHHCD02400 | | |
| 630 A | | IHFKFO4630 | 40200.00 | | | IHFKFE4630 | 43340.00 | IHHCD03630 | | |
| 800 A | | IHFKFO4800 | 46530.00 | | | IHFKFE4800 | 50870.00 | | | |

Busbar Chambers - Optima Series

HSN Code: 8536

Busbar Chambers (Wall Mounted)

Busbar made of ETP Grade Copper

| Current Rating (A) | No. of | Item Code | Per Unit LP (₹) |
|--------------------|--------|------------|-----------------|
| 63 A | 4 WAY | IHBC006304 | 9675.00 |
| | 6 WAY | IHBC006306 | 11285.00 |
| | 8 WAY | IHBC006308 | 12995.00 |
| 100 A | 4 WAY | IHBC010004 | 11610.00 |
| | 6 WAY | IHBC010006 | 16080.00 |
| | 8 WAY | IHBC010008 | 16895.00 |
| 200 A | 4 WAY | IHBC020004 | 14525.00 |
| | 6 WAY | IHBC020006 | 18805.00 |
| | 8 WAY | IHBC020008 | 20520.00 |
| 250 A | 4 WAY | IHBC025004 | 24045.00 |
| | 6 WAY | IHBC025006 | 37840.00 |
| | 8 WAY | IHBC025008 | 47325.00 |
| 315 A | 4 WAY | IHBC031504 | 25120.00 |
| | 6 WAY | IHBC031506 | 38935.00 |
| | 8 WAY | IHBC031508 | 49750.00 |
| 400 A | 4 WAY | IHBC040004 | 27140.00 |
| | 6 WAY | IHBC040006 | 40945.00 |
| | 8 WAY | IHBC040008 | 51490.00 |
| 630 A | 4 WAY | IHBC063004 | 41570.00 |
| | 6 WAY | IHBC063006 | 55145.00 |
| | 8 WAY | IHBC063008 | 66335.00 |
| 800 A | 4 WAY | IHBC080004 | 44220.00 |
| | 6 WAY | IHBC080006 | 58930.00 |
| | 8 WAY | IHBC080008 | 74605.00 |



HiBreak HBC Fuse Link

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

RH Type HRC Fuse- 80 kA, 415 V

| Rating (A) | Item Code | Per Unit LP (₹) | STD Packing No. of unit/s |
|------------|------------|-----------------|---------------------------|
| 2 A | IHHRH00002 | 130.00 | 20 N |
| 6 A | IHHRH00006 | 130.00 | |
| 10 A | IHHRH00010 | 130.00 | |
| 16 A | IHHRH00016 | 130.00 | 20 N |
| 20 A | IHHRH00020 | 130.00 | |
| 25 A | IHHRH00025 | 130.00 | |
| 32 A | IHHRH00032 | 130.00 | 20 N |
| 40 A | IHHRH00040 | 140.00 | |
| 50 A | IHHRH00050 | 295.00 | 20 N |
| 63 A | IHHRH00063 | 350.00 | 20 N |



DIN Fuse Bases (Fixed Type)

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

| Rated A | Item Code | Type | Fuse Type | Per Unit LP (₹) | STD Packing No. of unit/s |
|---------|------------|---------------------|-----------|-----------------|---------------------------|
| 160 A | IHUC00O160 | Open Type Fuse Base | CD-00 | 480.00 | 6 N |



i Base - DIN Fuse Bases (Fixed Type)

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

| Rated A | Item Code | Type | Fuse Type | Per Unit LP (₹) | STD Packing No. of unit/s |
|---------|------------|---------------------|-----------|-----------------|---------------------------|
| 250 A | IHIC01O250 | Open Type Fuse Base | CD-1 | 960.00 | 3 N |
| 400 A | IHIC02O400 | Open Type Fuse Base | CD-2 | 1540.00 | 3 N |
| 630 A | IHIC03O630 | Open Type Fuse Base | CD-3 | 1795.00 | 3 N |



HiBreak HBC Fuse Link

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

HSN Code: 8536



Bolted Type HRC Fuse - 80 kA, 415 V



DIN Type HRC Fuse - 80 kA, 415 V

| IS Size | Tag Type | BS Type | Rating (A) | Item Code | Per Unit LP (₹) | STD Packing No. of unit/s |
|---------|----------|---------|------------|------------|-----------------|---------------------------|
| F-1 | Offset | NS | 2 A | IHHNS00002 | 75.00 | 20 N |
| | | | 4 A | IHHNS00004 | 75.00 | |
| | | | 6 A | IHHNS00006 | 75.00 | |
| | | | 10 A | IHHNS00010 | 75.00 | |
| | | | 16 A | IHHNS00016 | 75.00 | |
| | | | 20 A | IHHNS00020 | 90.00 | |
| | | | 25 A | IHHNS00025 | 90.00 | |
| | | | 32 A | IHHNS00032 | 90.00 | |
| A-2 | Offset | TIA | 16 A | IHHTIA0016 | 115.00 | 10 N |
| | | | 20 A | IHHTIA0020 | 115.00 | |
| | | | 25 A | IHHTIA0025 | 115.00 | |
| | | | 32 A | IHHTIA0032 | 115.00 | |
| A-3 | Offset | TSS | 40 A | IHHTSS0040 | 140.00 | 10 N |
| | | | 50 A | IHHTSS0050 | 140.00 | |
| | | | 63 A | IHHTSS0063 | 140.00 | |
| A-4 | Offset | TSD | 80 A | IHHTSD0080 | 290.00 | 10 N |
| | | | 100 A | IHHTSD0100 | 290.00 | |
| | | | 125 A | IHHTSD0125 | 290.00 | |
| B-1 | Central | TSDC | 80 A | IHHTSDC080 | 295.00 | 10 N |
| | | | 100 A | IHHTSDC100 | 295.00 | |
| | | | 125 A | IHHTSDC125 | 295.00 | |
| B-2 | Central | TSF | 160 A | IHHTSF0160 | 455.00 | 10 N |
| | | | 200 A | IHHTSF0200 | 455.00 | |
| | | | 250 A | IHHTSF0250 | 490.00 | |
| B-3 | Central | TSK | 315 A | IHHTSK0315 | 645.00 | 3 N |
| B - 4 | Central | TSMF | 400 A | IHHTSMF400 | 1210.00 | 3 N |
| C - 1 | Central | TSMS | 400 A | IHHTSMS400 | 1210.00 | 3 N |
| C - 2 | Central | TTS | 400 A | IHHTTS0400 | 1380.00 | 1 N |
| C - 2 | Central | TLM | 630 A | IHHTLM0630 | 2455.00 | 1 N |
| C - 2 | Central | TLM | 800 A | IHHTLM0800 | 2740.00 | 1 N |

| IS Size | Rating (A) | Item Code | Per Unit LP (₹) | STD Packing No. of unit/s |
|---------|------------|------------|-----------------|---------------------------|
| 000 | 32 A | IHHCD11032 | 385.00 | 3 N |
| | 63 A | IHHCD11063 | 395.00 | |
| | 100 A | IHHCD11100 | 425.00 | |
| 00 | 6 A | IHHCD00006 | 435.00 | 3 N |
| | 10 A | IHHCD00010 | 435.00 | |
| | 16 A | IHHCD00016 | 435.00 | |
| | 25 A | IHHCD00025 | 435.00 | |
| | 32 A | IHHCD00032 | 435.00 | |
| | 40 A | IHHCD00040 | 455.00 | |
| | 50 A | IHHCD00050 | 455.00 | |
| | 63 A | IHHCD00063 | 455.00 | |
| | 80 A | IHHCD00080 | 495.00 | |
| | 100 A | IHHCD00100 | 495.00 | |
| 01 | 125 A | IHHCD00125 | 510.00 | 3 N |
| | 160 A | IHHCD00160 | 535.00 | |
| | 40 A | IHHCD01040 | 725.00 | |
| | 50 A | IHHCD01050 | 725.00 | |
| | 100 A | IHHCD01100 | 725.00 | |
| | 125 A | IHHCD01125 | 725.00 | |
| 02 | 160 A | IHHCD01160 | 735.00 | 3 N |
| | 200 A | IHHCD01200 | 735.00 | |
| | 250 A | IHHCD01250 | 825.00 | |
| | 250 A | IHHCD02250 | 1065.00 | |
| | 315 A | IHHCD02315 | 1065.00 | |
| 03 | 350 A | IHHCD02350 | 1145.00 | 1 N |
| | 400 A | IHHCD02400 | 1145.00 | |
| | 500 A | IHHCD03500 | 1765.00 | |
| | 630 A | IHHCD03630 | 1805.00 | 1 N |