Branch Offices:

AHMEDABAD
B-802, Iscon Elegance, Nr. Prahlad
Nagar Corner, Opp. Karnavati Club,
S.G. Highway, Ahmedabad-380051
Ph.: 079 - 66168835/36
E-mail: ahmedabad@hplindia.com

BANGALORE
No.2D, IInd Floor, Farah Winsford,
133, Infantry Road, Bangalore - 560001
Ph.: 080-22863068/69
E-mail: bangalore@hplindia.com

BHUBANESWAR
The Metropolis,
Plot No. A- 167, Saheed Nagar,
Bhubaneswar - 751007 (Orissa).
Ph.: 91+ 9861374379
E-mail: orissa@hplindia.com

CHANDIGARH
SCO-18, Second Floor,
Industrial Area, Phase-II,
Chandigarh-160002
Ph.: 0172-2639157/ 8146404442
E-mail: chandigarh@hplindia.com

CHENNAI
"Amar Sindur" S-4, 2nd Floor, No.-43,
Pantheon Road, Egmore,
Chennai-600 008
Ph.: 044-28551530, 28551537
Fax: 044-42638243
E-mail: chennai@hplindia.com

COCHIN
1st Floor, A.K.S. Mahal Building,
XL/7813J, Achutha Warrier Lane,
M.G.Road, Ernakulam, Cochin-682035
Telefax: 0484-2354595
E-mail: cochin@hplindia.com

DEHRADUN
09/4/6, Ist Floor, East Canal Road,
(Near Doon Defence Academy)
Dehradun-248001
Ph.: 0135-2664387, 2664367
E-mail: uttranchal@hplindia.com

GUWAHATI
Rajgarh Road,
Opposite China Town
Restaurant, Guwahati-781003
Ph.: 0361-2450889
E-mail: guwahati@hplindia.com

HYDERABAD
No. 7-1-58, Flat No.403,
4th Floor, Concourse Building,
Green Lands Road,
Hyderabad-500016,
Ph.: 040-66687878
E-mail: hyderabad@hplindia.com

INDORE
411 Satguru Parinay
Opp. C21 Mall,
Near Pakiza Showroom
Indore-452010
Ph.: 0731-4280525, 4225540
E-mail: Indore@hplindia.com

JAIPUR
512, 5th Floor, Plot No. 8-9,
Corporate Park, Gopal Bari,
Ajmer Road, Jaipur-302001
Ph.: 0141-4021035
E-Mail: jaipur@hplindia.com

KOLKATA
69, Ganesh Chandra Avenue,
India House, 7th Floor,
Block-C, Kolkata-700013
Ph.: +91 9038094379
E-Mail: calcutta@hplindia.com

LUCKNOW
1st Floor, Jain Building,
14/A5, Park Road Hazratganj,
Lucknow-226001
Ph.: 0522-4021687
E-Mail: lucknow@hplindia.com

MUMBAI
2C/H, Rushabh Chambers,
2nd Floor, Off-Makwana Road,
Near Rubi Hotel, Marol,
Andheri East, Mumbai-400059
E-mail: mumbai@hplindia.com

NAGPUR
Jagtap House, Plot No. 07, Ist Floor,
Ganesh Gruh Nirman Society,
Near Ganesh Mandir, Ring Road,
Pratap Nagar, Nagpur-440022,
Ph.: 0712-2222988
E-mail: nagpur@hplindia.com

PATNA
Hem Plaza, 5th Floor - 510,
Frazer Road, Patna-800001(Bihar),
Ph.: +91 9334697299
E-mail: patna@hplindia.com

PUNE
Sunrise Skyline 3rd Floor,
Plot No. 28/2 Scheme No. 11 B
Opp. MSEB Office Somwar Peth
Pune-411001 Ph.: +91 9028032724
E-mail: pune@hplindia.com

RAIPUR
1st Floor, Near Holy Heart School
Chattisgarh College Road, Civil Line,
Raipur (C.G.)-492006,
Ph.: 0771-4218002/04
E-mail: raipur@hplindia.com

VADODARA
409/410, Silver Oak Complex,
Near Shrenik Park, Char Rasta,
Productivity Road, Akota,
Vadodara - 390020 Gujarat
Ph.: 0265-4000583, Fax:0265-2352107
E-mail: baroda@hplindia.com

VIJAYAWADA
D.No.-29-37-135, 2nd Floor, G. R. Plaza,
Eluru Road, Beside Canara Bank,
Vijayawada-520002 Ph.: 0866-6622291
E-mail: vijayawada@hplindia.com

Resident Offices:

Agartala	Balasore	Cuttack	Jamshedpur	Malda	Rajkot	Tirupati
Agra	Belgaum	Davangere	Jalandhar	Mangalore	Rourkela	Trichy
Allahabad	Berhampur	Durg	Jharsuguda	Meerut	Salem	Trivandrum
Anantpuram	Bhilai	Goa	Jodhpur	Moradabad	Silchar	Udaipur
Aurangabad	Bhopal	Gorakhpur	Kanyakumari	Mysore	Siliguri	Vapi
Amravati	Bilaspur	Gulbarga	Kolhapur	Nagerkoil	Surat	Varanasi
Akola	Bijapur	Hubli	Kota	Nasik	Sholapur	Vellore
Angul	Calicut	Jabalpur	Ludhiana	Patiala	Srinagar	Vizag
Bareilly	Coimbatore	Jabli	Madurai	Pondicherry	Sambalpur	

AV ATS 04/25

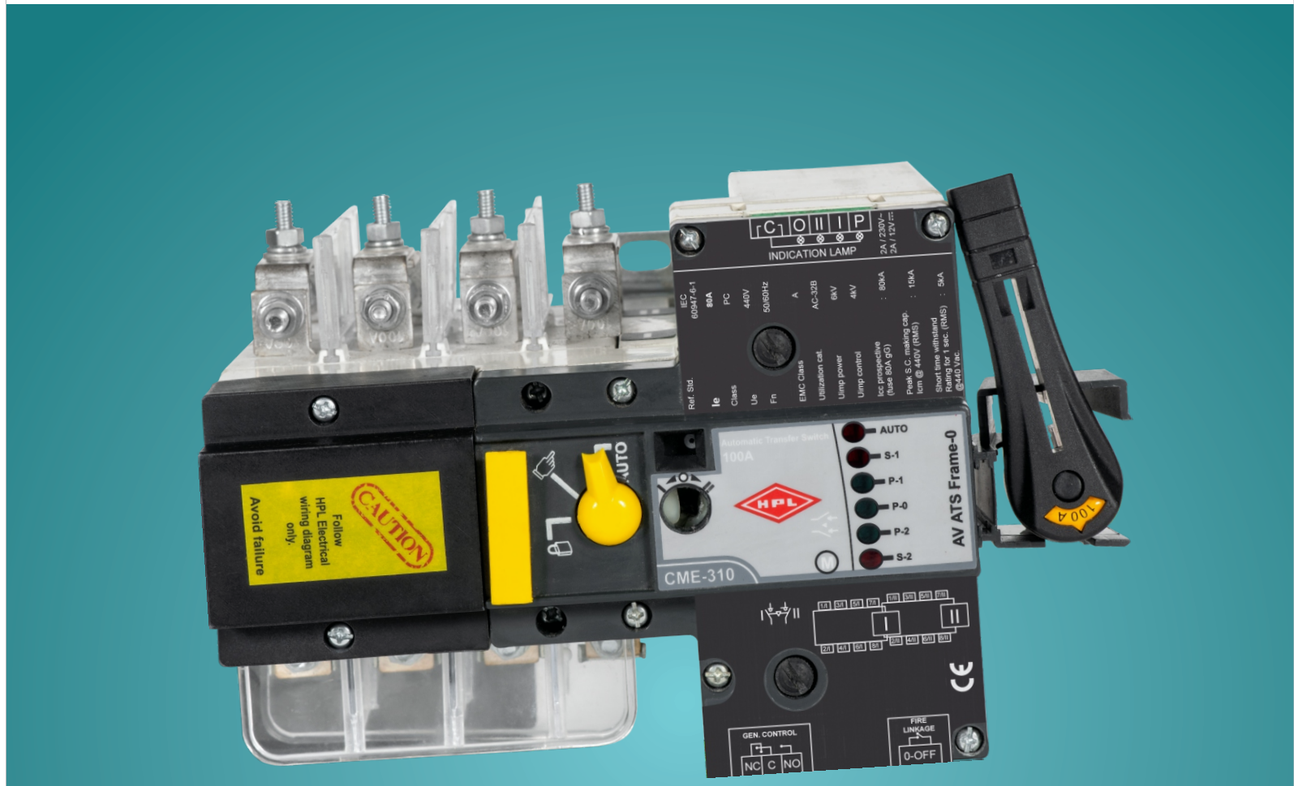
HPL Electric & Power Ltd
Corp. Office: 76-B, Phase-IV, Sector-57, HSIIDC Industrial Estate,
Kundli-131028, Sonipat, Haryana INDIA.
Tel.: +91-130-350 3958, 350 3437
Registered Office: 1/20, Asaf Ali Road, New Delhi-110 002, INDIA.
E-mail: hpl@hplindia.com

Follow us :
Customer Care No.: 18004190198
E-mail: customercare@hplindia.com
For online Complaint Registration:
https://www.hplindia.com/register-complaint.php
www.hplindia.com

AV ATS

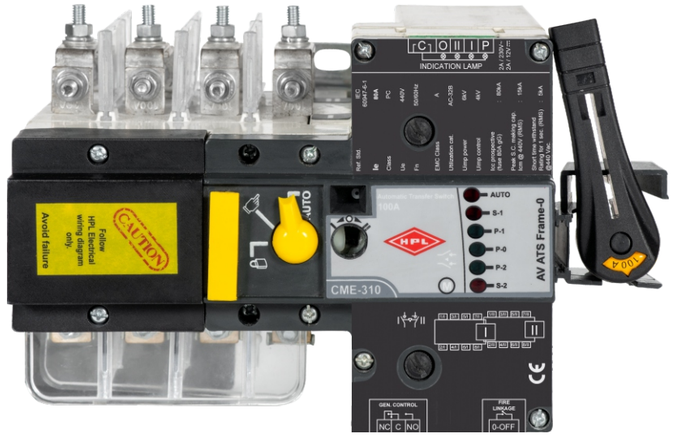
Advance Version Automatic Transfer Switch

Changeover applications 40A-1600A



POWER CONTROL & SAFETY

www.hplindia.com



AV ATS

Advance Version Automatic Transfer Switch

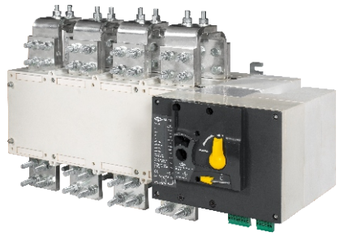
From 40A-1600A

Founded in 1956, the HPL Group is a major player in Indian Electrical Industry with commitment to the state of art technology, manufacturing world class products. HPL Group has been serving Indian Industry since last 55 years with time tested, reliable and well -proven products in the field of Switchgears, Protection Devices, Electronic Energy Meters, Energy Management Systems, Luminaries, Wire & Cable, LED Lighting, Modular Switches & Solar.

HPL Group has created niche for it self in Electrical Industry. Upgradation of existing technoloy and introduction of new products with innovative ideas and new technology are the main driving force here.

HPL brings to you, **AV ATS** range of True 4 pole motor operated changeover switches with positive break indication. They enable the on load transfer of two three-phase supplies via remote volt-free contacts, from either external automatic controllers, using pulse logic or push button station.

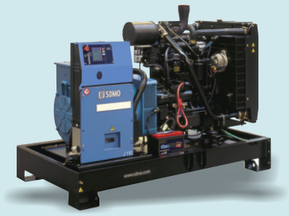
They are intended for use in low voltage power systems where interruption of the load supply is acceptable during transfer.



AV ATS
1600A

The solution for

> Generator manufacturers.
> Heating.
> Air conditioning.
> Ventilation.
> Telecommunications.



Strong points

> Extensive power supply range.
> Safety and reliability.
> Easy integration.
> Simplified maintenance.
> ATS Dual power supply.

Conformity to standards

> IEC 60947-6-1
> IEC 60947-3
> CE Marked
RoHS Compliant

Approvals & Test

- Time tested
- Widely Acceptable Customer Accepted
- ISO 9001 Certified

RoHS Compliant CE

Globally Accepted
exporting to over 25 countries

Salient Features:

- A strong, reliable double break mechanism to provide a safe changeover of sources remotely.
- The only Switch with RoHS Compliance studded with protections like Phase Barriers, Source Separators, Terminal Cover.
- The only ATS with Protection against Arc.
- The FR molding material of the switch is having high thermal withstand capacity.
- AV ATS is True 4 Pole switch available in 4 frame sizes with AC 23A & AC-31B Load switching duty.
- AV ATS is available with 3 positions I-O-II Manual & Electrical Operations with non defeatable mechanical interlock.
- The AV ATS can be put in 'O' position both by manual operation through emergency handle & Electrical Operation through emergency switch.
- In the AV ATS the contacts opening / closing is within self extinguishing reinforced fiberglass body with arc chutes for quick & better arc extinguishing.
- For all versions, the quick make and quick break feature independent of the operating speed enables the switches to close and open circuits under the most severe conditions (e.g. highly inductive loads-AC 23A duty).
- The manual and electrical operation are interlocked and the manual operation is done with the handle provided with.
- The motor module is detachable & wide range of spares allow on site repair solutions.
- The Basic Controller & Higher Version Controller are available for advance auto switching with Communication facility.

Applications

- Healthcare
- Internet Data Centers
- Commercial Buildings
- Industrial Buildings
- Residential Buildings
- Telecom Central Office
- Process Manufacturing
- Distribution Power / Load Management
- HVAC
- Telecommunications BMS

Installation

- Changeover switches are ideal choice for installation in A.M.F. panel or for remote operation.
- Connection on terminal is very easy, as they are large & accessible.

Conformity

IS/IEC: 60947-3 & IEC: 60947-6-1.

CE Marked.

RoHS Compliant.

Range

AC 23A 415VAC 4 Pole 40A to 1600A in 4 frame sizes.

General Characteristics

The ideal conception in HPL AV ATS changeover switch incorporate 3 stable positions (I-O-II) changeover ensuring isolation of 2 asynchronous power supply.

Positions:

O - Circuit I and II Open (Neutral Position).

I - Circuit -I close and circuit II open (transformer supply "ON" and generator supply "OFF").

II - Circuit I open and Circuit II close (generator supply "ON" and transformer supply "OFF").

All positions are interlocked.

Functions

AV ATS CHANGEOVER SWITCHES 'operate as a Changeover giving three stable positions I-O-II and help in supply changeover from one source to another' remotely.

Design

AV ATS Changeover Switches are manufactured from AV Changeover moulded case on load switches. In case of control supply failure, Emergency Handle arrangement is provided for manual operation of switch in "OFF" position or selecting the supply. The switch frames are back to back. The whole range is motor operated.

Contact System

- Clearly apparent operation.
- High thermal and dynamic strength to withstand rated fused short circuit current level 80KA rms.
- Are rated for AC-23A utilisation category.

Factory Fitted Auxiliary Contacts

- Auxiliary contacts are of "CO" type, they provide position signal or prebreak control.
- Aauxiliary contacts are pre-wired for more convenience during installations.
- Auxiliary contacts 1NO 1NC and 2NO 2NC are available.

Characteristics according to IEC 60947-3 and IEC 60947-6-1

40 to 1600A

Specification — **Current Rating**

Frame Sizes	Frame-0					Frame-1			Frame-2		Frame-3	
Thermal Current (Ith) 40°C	40A	63A	80A	100A	125A	125A	160A	200A	250A	320A	400A	630A
Rated Insulation voltage Ui (Vac)	750	750	750	750	750	1000	1000	1000	1000	1000	1000	1000
Dielectric strength (Vac) 50 Hz 1 minute	4000	4000	4000	4000	4000	5000	5000	5000	5000	5000	8000	8000
Impulse voltage (KV)	6	6	6	6	6	6	6	8	8	8	12	12
Number of Poles	4	4	4	4	4	4	4	4	4	4	4	4
Rated Operational Current Ie (A) According to IS/IEC: 60947-3												
415 Vac: AC 23A	40	63	80	100	125	125	160	200	250	320	400	630
500 Vac: AC 23A	40	55	55	55	55	100	130	160	200	250	315	315
260V dc: DC 21A	40	63	80	100	125	125	160	200	250	320	400	630
260V dc: DC 22A	40	63	80	100	125	125	160	200	250	320	400	500
260V dc: DC 23A	40	63	63	63	63	125	160	160	200	250	400	500
440V dc: DC 21A	40	63	80	100	125	125	160	200	250	320	400	500
440V dc: DC 22A	40	63	80	100	125	125	130	160	200	250	400	500
440V dc: DC 23A	40	63	63	63	63	125	130	160	200	250	400	500
Rated Current & Voltage of motor												
Current / Voltage	0.25A/230VAC & 0.25A/12VDC					0.25A/230VAC & 0.25A/48VDC						
Overload Capacity												
Short circuit current with fuses (kA RMS)	80	80	80	80	80	80	80	80	80	80	80	80
Associated Fuse Rating	40	63	80	100	125	125	160	200	250	315	400	630
Peak short circuit making capacity (kA RMS)	15	15	15	15	15	20	20	20	30	45	45	45
Admissible short time current 1 sec (kA RMS)	5	5	5	5	5	7	7	7	13	13	13	13
Making & Breaking Characteristics												
Breaking capacity (A RMS) 415 Vac pf=0.35	320	504	640	800	1000	1000	1280	1600	2000	2520	3200	5040
Making capacity (A RMS) 415 Vac pf=0.35	400	630	800	1000	1250	1250	1600	2000	2500	3150	4000	6300
Endurance												
Mechanical Life (No. of Operations)	10000	10000	10000	10000	10000	8000	8000	8000	8000	5000	5000	5000
Electrical Life (No. of Operations)	2500	2500	1500	1500	1500	1000	1000	1000	1000	1000	1000	1000
Operating Torque (N-m)	3.5	3.5	3.5	3.5	3.5	9.5	9.5	9.5	11	11	17	17
Switching Time												
I - II or II - I (s)	0.5	0.5	0.5	0.5	0.5	0.75	0.75	0.75	1.3	1.3	1.3	1.3
I - 0 or II - 0 (s)	0.25	0.25	0.25	0.25	0.25	0.45	0.45	0.45	0.85	0.85	0.85	0.85
Duration of "electrical blackout" I - II (s)	0.25	0.25	0.25	0.25	0.25	0.3	0.3	0.3	0.6	0.6	0.6	0.6
Power Connection												
(Details of Copper Conductors)												
Min.Cu. Cable/Bus bar size (mm^2)	10	16	25	35	50	50	70	95	120	185	240	2x185
(Details of Aluminum Conductors)												
Min.Al. Cable/Bus bar size (mm^2)	16	25	35	50	70	70	95	150	185	240	300	640
Weight (Kgs) 4P	2.8	2.8	2.8	2.8	2.8	7.5	8	8	10.5	10.5	19	22

Characteristics according to IEC 60947-3 and IEC 60947-6-1

40 to 1600A

Specification — **Current Rating**

Frame Sizes	Frame-4			
Thermal Current (Ith) 40°C	800A	1000A	1250A	1600A
Insulation voltage Ui (Vac)	1000	1000	1000	1000
Dielectric strength (Vac) 50 Hz 1 minute	8000	8000	10000	10000
Impulse voltage (KV)	12	12	12	12
Number of Poles	4	4	4	4
Rated Operational Current Ie (A) According to IS/IEC: 60947-3				
415 V AC 23A	800	1000	1250	1600
500 V AC 23A	400	630	800	1000
260V DC 21A	800	1000	1250	1250
260V DC 22A	800	1000	1250	1250
260V DC 23A	800	1000	1250	1250
440V DC 21A	800	1000	1250	1250
440V DC 22A	800	1000	1250	1250
440V DC 23A	800	1000	1250	1250
Rated Current & Voltage of motor				
Current / Voltage	0.25A/230VAC & 0.25A/48VDC			
Overload Capacity				
Short circuit current with fuses (kA RMS)	80	80	80	80
Fuse Rating	800	1000	1250	2 x 800
Peak short circuit making capacity (kA RMS)	105	105	105	110
Admissible short time current 1 sec (kA RMS)	50	50	50	50
Making & Breaking Characteristics				
Breaking capacity (A RMS) 415 Vac pf=0.35	6400	8000	8000	8000
Making capacity (A RMS) 415 Vac pf=0.35	8000	10000	10000	10000
Endurance				
Mechanical Life (No. of Operations)	4000	4000	4000	4000
Electrical Life (No. of Operations)	500	500	500	500
Operating Torque (N-m)	40	40	40	40
Switching Time				
I - II or II - I (s)	1.5	1.5	1.5	1.5
I - 0 or II - 0 (s)	0.86	0.86	0.86	0.86
Duration of "electrical blackout" I - II (s)	0.7	0.7	0.7	0.7
Power Connection				
Min. Cu. Cable / Bus bar size (mm^2)	50x5x2	60x5x2	80x5x2	100x5x2
Min. Al. Cable / Bus bar size (mm^2)	50x8x2	50x10x2	63x12x2	100x8x2
Weight (Kgs) 4P	35.2	43.3	45.0	69.0

AV ATS

Advance Version Automatic
Load Transfer Switch
From 40A - 1600A

Versions of ATS

ATS without Controller (Motorised Chageover)

ATS with inbuilt Input Control Supply & Logic Control with LED Indication ATS CME 310

- ATS is available without external control wiring, only Power Terminal need to be connected
- ATS does not require any external component for providing power input for Motor and ATS is ready for operation
- ATS does not require any external logic control
- ATS would sense the source failure on both sources
- ATS would give command to start the DG set
- ATS would select the Preferred source
- ATS would give command to stop the DG set
- ATS has factory configured ON delay time on both sources
- LED would indicate
  - availability of Sources
  - Switch position I-0-II
  - Auto/ Manual (to be set by the operator)
- The CME 310 arrangement is available throughout the range from 40A to 1600A

ATS with Inbuilt Smart Controller CME 360

Key Features:

- ATS with Controller CME 360
- CME 360 would sense & measure both source
  - Over Voltage & Under Voltage
  - Over Frequency & Under Frequency
  - Over Current & Under Current
- CME 360 could be programmed to act on the measured unhealthy values by disconnecting the circuit to protect the equipments at Load
- CME 360 could override the specific programs
- CME 360 could Measure Energy - Active & reactive
- CME 360 measures over 45 parameters including Voltage, Current, Frequency, kW, kVA, kVAr, PF, Active Energy for Mains Generator & MD in kW and kVA for Mains & Generator separately with Data & Time, Run Hour, Power ON Hour
- CME 360 evade further devastations by short circuits by Fire Protection System Linkage
- CME 360 can prevent more damage by earthquake protection system linkage
- CME 360 has data capacity for
  - Total ON hours of ATS
  - Individual ON hours of EB & DG
  - Power Factor - Priority & alternate source
  - Maximum Demand
- Current & Peak current - Measure & Display the value & the value can be Communicated on remote PC or Mobile App
- Event Recording of last 10 Faults
- Communication via RS485 MODBUS
- Optional Ethernet Communication
- CME 360 can provide last 6 months History of Parameters for kWH and MD through communication
- Remote operation through PLC/ SCADA/ EMS
- Password Protection
- Potential free contacts - DG Start/ Stop
- Cloud/ IoT connected with Software - via Gateway
- No external component required for common output for energising ATS Motor
- LCD Display with Backlit with full screen display in Ethernet version
- Load output and Neutral position arrangements as required by the customer
- Ease of maintenance with Modular Motor Module which can be detached without dismantling Power Terminals and reduces ATS Downtime during maintenance
- CME 360 is low maintenance product - PAN India network of qualified Customer Support Engineers
- CME 360 is available for Operating voltage 60V DC or 230V ac (other voltages on request)
- The CME 360 Inbuilt Controller for all ratings from 40A to 1600A

Controllers - Door Mounted

Advance Version Automatic
Transfer Switch

CME 360

Key Features of CM 331

- Configurable inputs(4)
- Configurable volt-free outputs (4)
- Configurable DC outputs (4)
- Icon or English text display
- LED indicator
- Front Panel / PC configuration
- Source 1 / Source 2 control
- Configurable Timers
- Start inhibit
- Load inhibit
- Manual restore to S1
- Automatic switch-over between supplies
- Single event scheduler
- 3-phase display

Key Benefits of CM 335

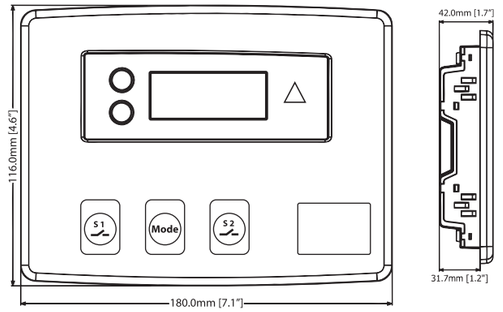
- Configurable inputs(12).
- Configurable volt-free outputs (6).
- Configurable DC outputs (6).
- 4 Line back-lite LCD text display.
- Five key menu navigation.
- Front panel editing with PIN protection.
- LED & LCD alarm indication.
- Source 1 / Source 2 control.
- Start & Load Inhibit.
- Manual restore to S1.
- Configurable timers and alarms.
- Multiple date and time scheduler.
- Power monitoring (kW h, kV Ar, kV A h, kV Ar h).
- USB Connectivity.
- Backed up real time clock.

- Fully configurable via Controller.
- Configuration Suite PC software.
- Configurable display languages.
- User selectable Rs232 and Rs485 communications.
- Expansion compatible.
- SMS messaging (additional external modem required)
- Iintegral PLC editor.
- Modules can be integrated into buildings management systems (BMS).

Dimensions of CME360, CM 331 & CM 335

Dimensions
96mm x 96mm x 55mm
(3.78″ x 3.78″ x 2.17″)

Panel Cutout
92mm x 92mm
(3.62″ x 3.62″)



Dimensions
180mm x 116mm x 42mm
(7.1″ x 4.6″ x 1.7″)

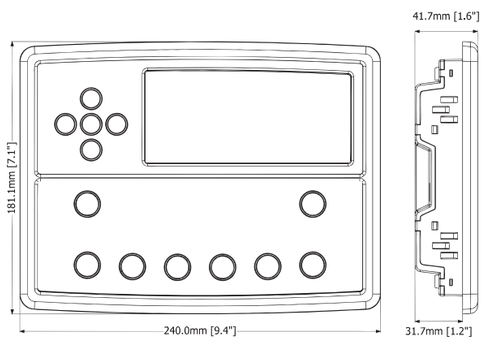
Panel Cutout
154mm x 98mm
(6″ x 3.9″)

Fixing Clip fitted to Module

Fixing Clip

Fixing Clip fitted to Module

Fixing Clip



Dimensions
240mm x 181.1mm x 41.7mm
(9.4″ x 7.1″ x 1.6″)

Panel Cutout
220mm x 160mm
(8.7″ x 6.3″)

ATS Switch Connections

P = Power Indication

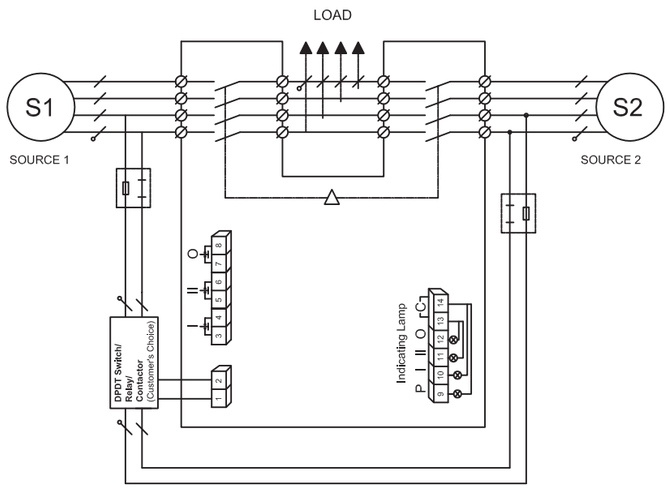
I = Source - 1

II = Source - 2

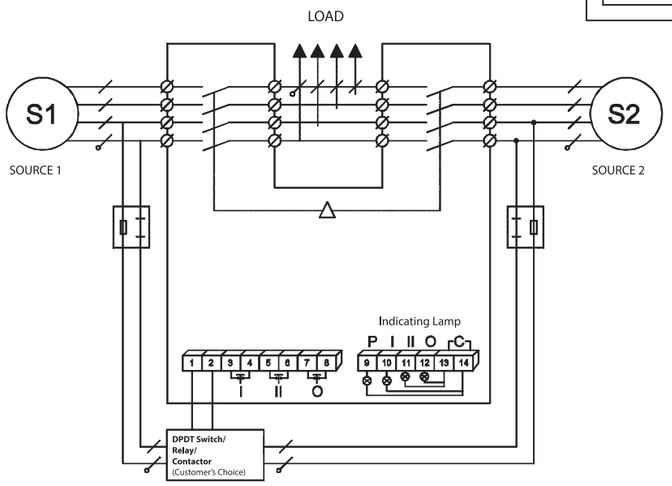
O = Neutral

C = Common

Frame 0



Frame 1-3



P = Power Indication

I = Source - 1

II = Source - 2

O = Neutral

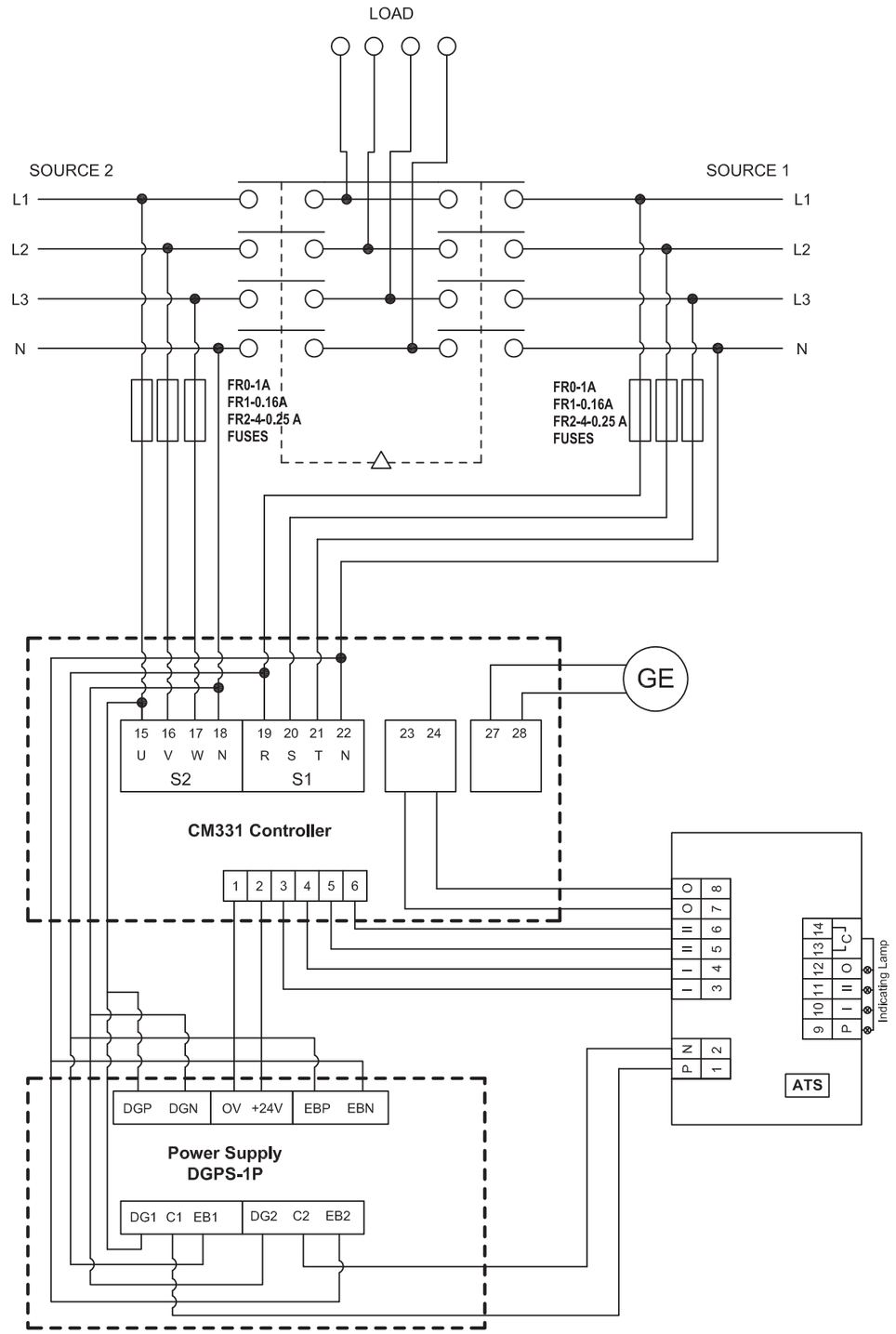
C = Common

DETAILS	TERMINAL No.	DESCRIPTION	PARAMETERS	CABLE SIZE REQD.
Power Supply	①	Power Supply	230 Vac ±20%	1.5 Sq.mm
	②			
Control	③	Position-I Command	⚠ *DO NOT CONNECT TO POWER SUPPLY*	
	④			
	⑤	Position-II Command		
	⑥			
	⑦	Position-O Command		
	⑧			
Signaling	⑨ ~ ⑭	Power Indicator	FR0-1A FR1-0.16A FR2-4-0.25A 230 Vac OUTPUT	
	⑩~ ⑭	Position-I Indicator		
	⑪ ~ ⑬	Position-II Indicator		
	⑫~ ⑬	Position-O Indicator		

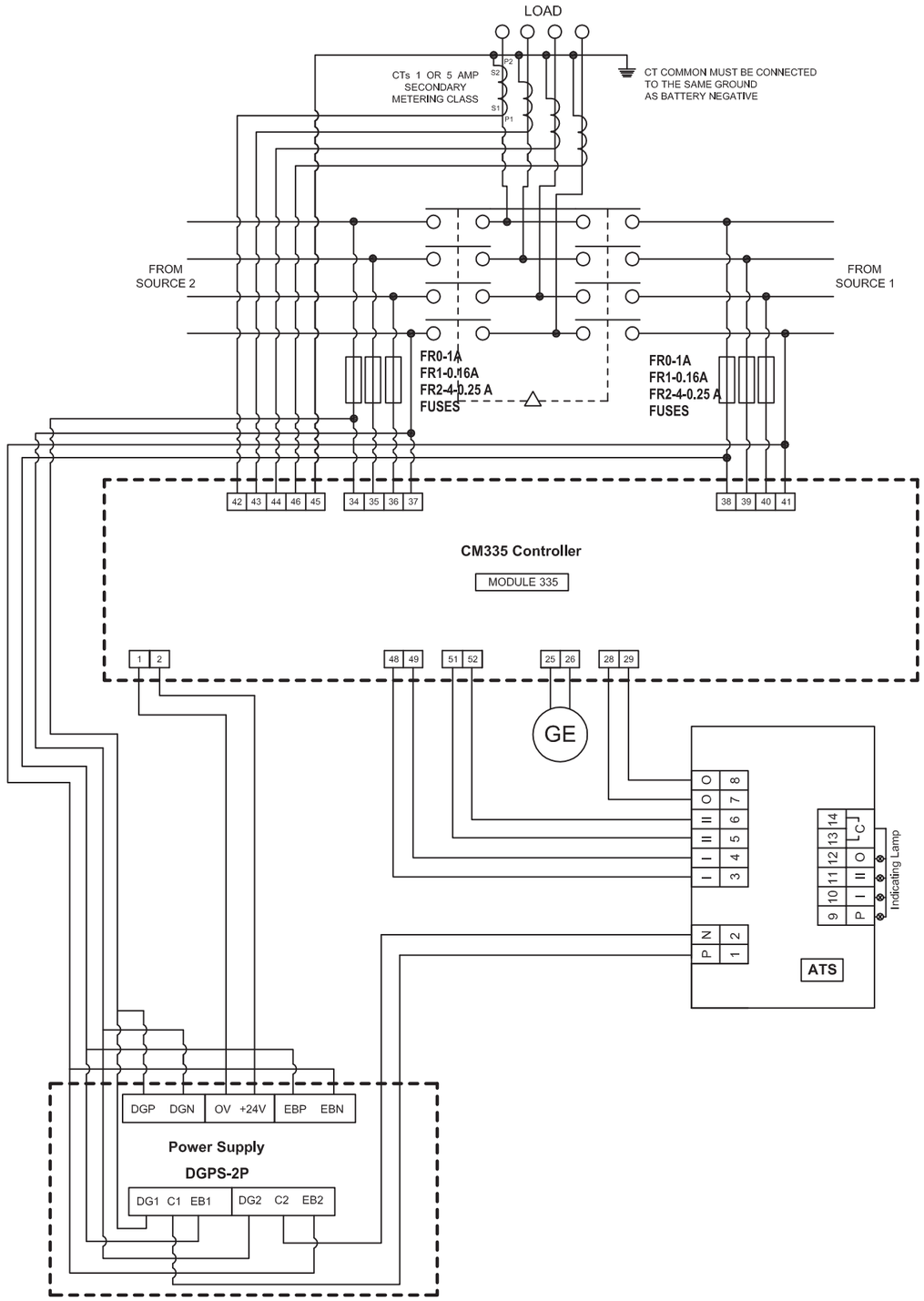
*FUSE-FST-160mA (Part No.0034.3109.2.G)
FUSE-FST-250mA (Part No.0034.3111.2.G)
Shurter German/ Indian recommended.

AV ATS
Advance Version Automatic
Transfer Switch
From 40A - 1600A

ATS with CM 331 Controller Connection

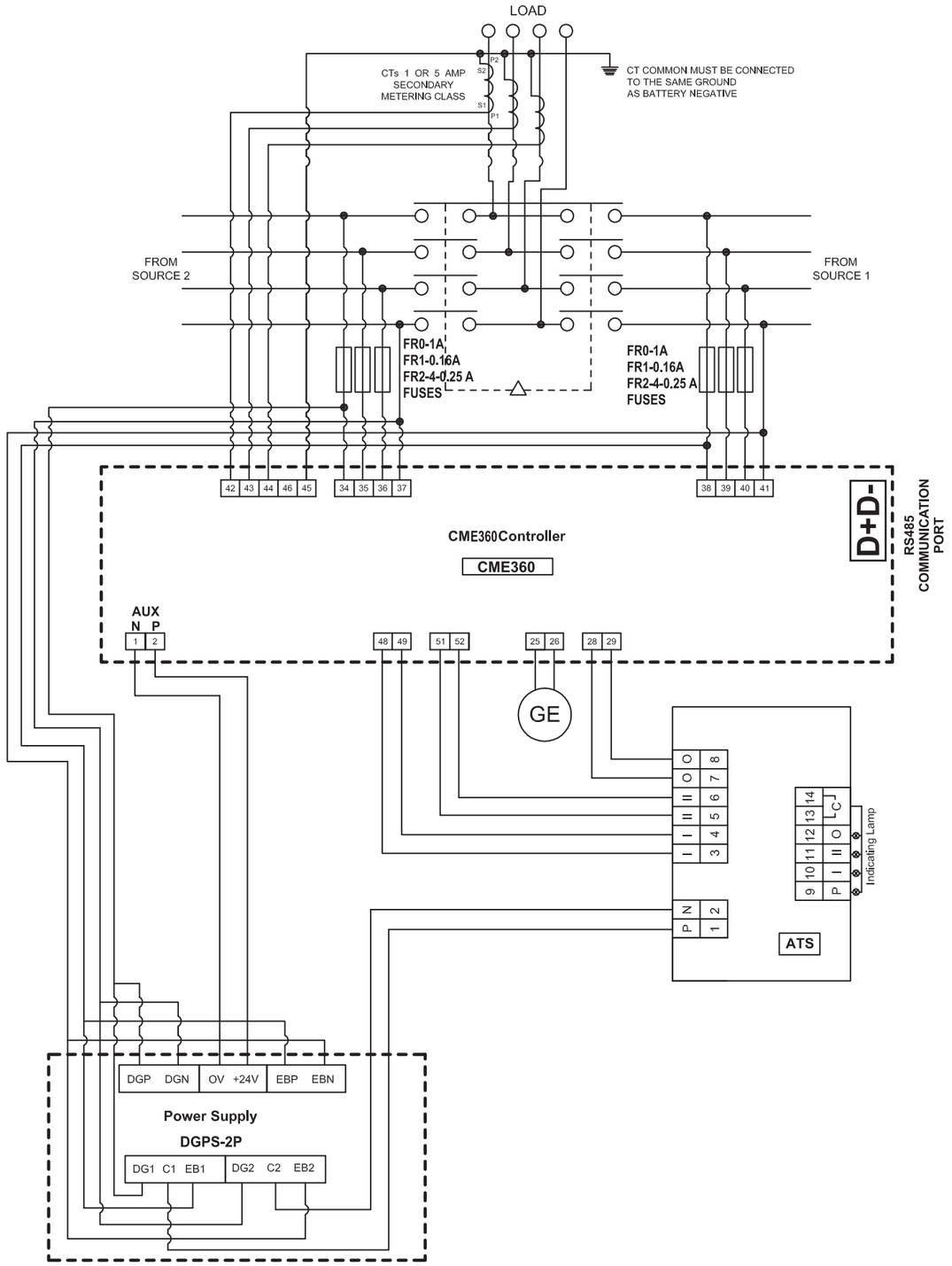


ATS with CM 335 Controller Connection



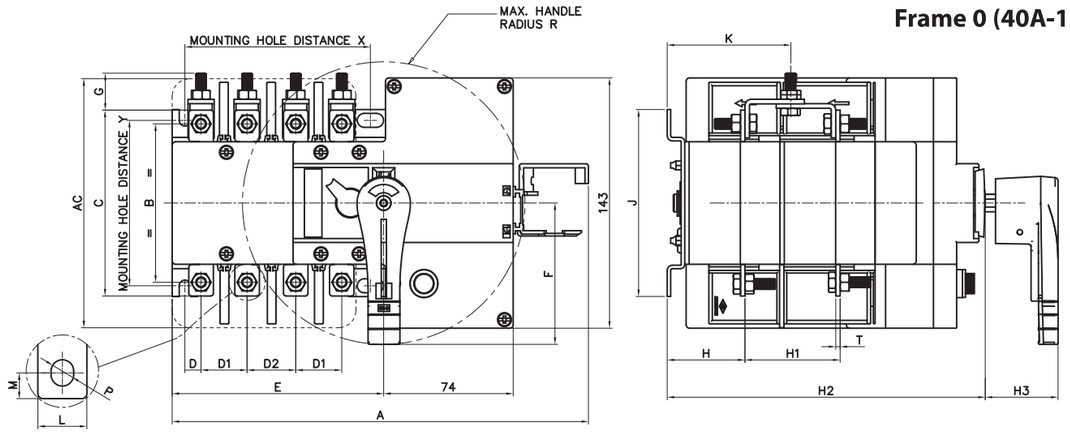
AV ATS
Advance Version Automatic
Transfer Switch
From 40A - 1600A

ATS with CME 360 Controller Connection



Dimension

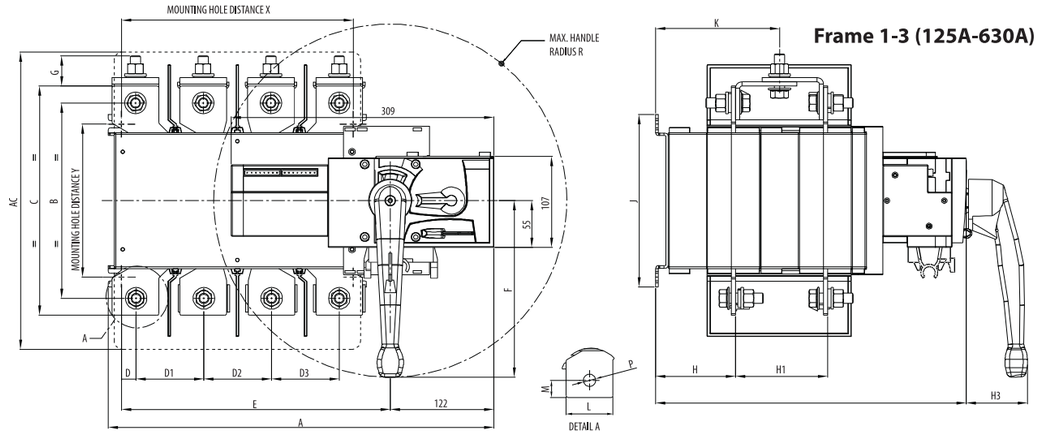
Frame 0 (40A-125A)



Rating	Mounting Hole Dist.		A	B	C	D	D1	D2	E	F	G	H	H1	H2	H3	J	K	L	M	P	R	T	AC
	X	Y																					
40A	106	95	238	91	106	9	26	28	121	81	22	44	54	182	42	107	71	14	8	6.5	81	2.5	142
63A	106	95	238	91	106	9	26	28	121	81	22	44	54	182	42	107	71	14	8	6.5	81	2.5	142
80A	106	95	238	91	106	9	26	28	121	81	22	44	54	182	42	107	71	14	8	6.5	81	2.5	142
100A	106	95	238	91	106	9	28	29	121	81	22	44	54	182	42	107	71	15	8	6.5	81	2.5	142
125A	106	95	238	91	106	9	28	29	121	81	22	44	54	182	42	107	71	15	8	6.5	81	2.5	142

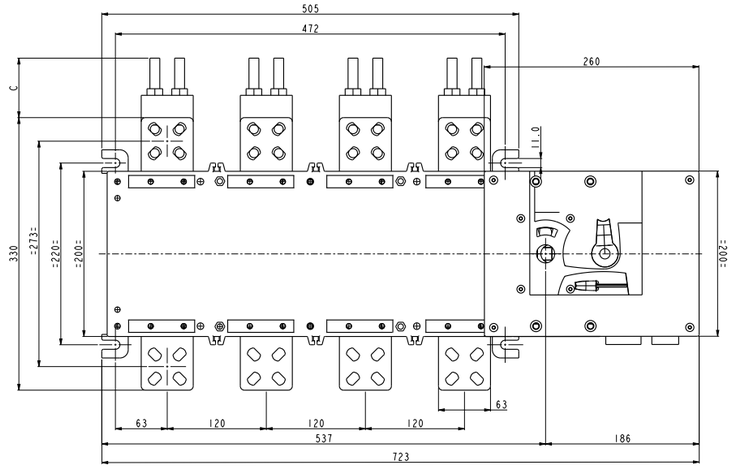
Note: All dimensions in mm (Tolerance ±5%)

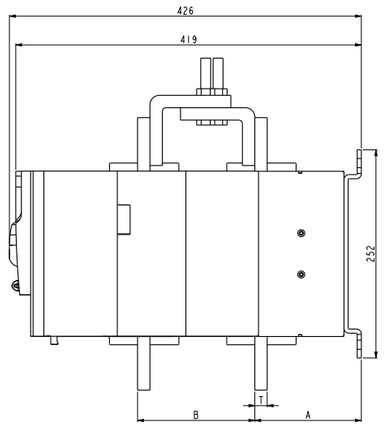
Frame 1-3 (125A-630A)



Rating	Mounting Hole Dist.		A	B	C	D	D1	D2	E	F	G	H	H1	H2	H3	J	K	L	M	P	R	T	AC
	X	Y																					
125A	158	95	316.5	117	141	12	45	45	183	151	35	64	66	278	54	115	95	22	16	10.5	151	3	195
160&200A	158	95	316.5	123	155	8	48	45	183	151	35	64	66	278	54	115	95	25	16	10.5	151	4	195
250&320A	215	111	375.5	152	192	7	64.5	64.5	240	208	35	72.5	75.5	298	72	130	107.5	32	20	11	208	4.5	240
400A	273	180	454	206	240	27	73	73	317	208	40	94.5	108.5	366	72	203	146	40	20	14.5	208	5	350
630A	273	180	454	230	270	17	80	80	317	208	40	94.5	108.5	366	72	203	146	55	20	14.5	208	5	350

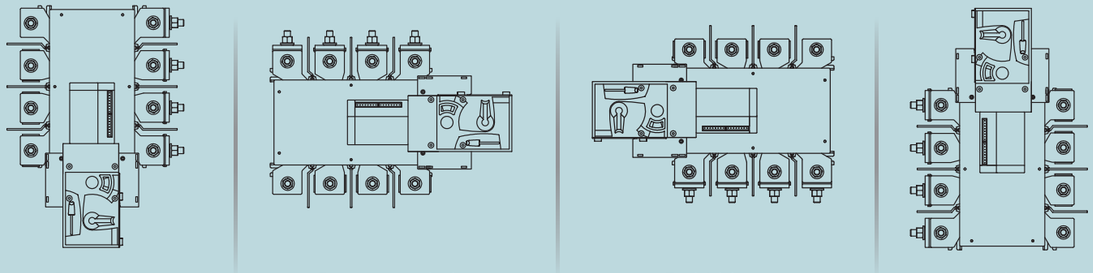
Note: All dimensions in mm (Tolerance ±5%)





S.NO.	RATING	A	B	C	T
1	800A	124	137	63	6
2	1000A	124	137	63	6
3	1250A	125	138	64	7
4	1600A	129	142	72	15

Mounting Orientation



Possible | Recommended | Forbidden | Forbidden

Dimension Enclosure

Rating	L	W	Y	X	H
40A - 125A	350	400	398	350	300
125A - 200A	450	500	497	450	359
250A - 320A	550	600	598	550	399
400A - 630A	650	700	690	600	469

Note: All dimensions in mm (Tolerance ±5%)

800-1600Amps Data Available on Request