

TWOMASTER



TWOMASTER ATS-BYPASS SERIES
Automatic Transfer Switch with ByPass

TWOMASTER ATS-BYPASS SERIES

Automatic Transfer Switch

TWOMASTER


The solution for

- Industry
- Data Center
- Defense Industry

Compliance with standards

- IEC 60947-6-1
- EN 60947-6-1

Approvals and certifications



Product Description

TWOMASTER ATS-BYPASS series high speed transfer of loads between alternative sources of power.

When combined with a programmable microprocessor controller with keypad and LCD display, it offer the most advanced method of transferring all types of loads, such as motors, electronic drives, UPS's and microprocessor-based systems.

TWOMASTER ATS-BYPASS series are available in open transition, delayed transition, and high speed transfer designs.

The bypass-isolation features allow the main automatic transfer switch to be inspected, tested, and maintained **without interrupting** power to the load.

They also provide redundant power transfer if the ATS is disabled or removed from service.

Bypass switch and transfer switch have identical electrical ratings

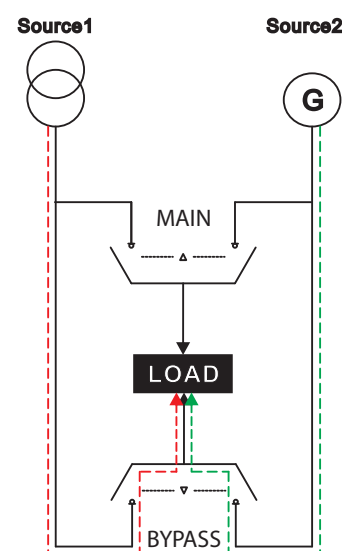
Mechanical interlocks prevent unintended operation

Bypass contacts carry current only during bypass operation

Draw-out design eases transfer switch maintenance

Bypass switch is rated for use as a 3-position manual transfer switch

Non load break bypass and isolation operations keep continuous power to loads



Product Code

TWOMASTER ATS-BYPASS Series Automatic Transfer Switches							
Rating (A)	Product Code	Product Code	No. of poles	Manual Handle	Auxiliary contact	Bridging bars	Control module
40	13673004	13773004	3 Pole	included	mounted	mounted	13270005
	13674004	13774004	4 Pole				
63	13673006	13773006	3 Pole				
	13674006	13774006	4 Pole				
80	13673008	13773008	3 Pole				
	13674008	13774008	4 Pole				
100	13673010	13773010	3 Pole				
	13674010	13774010	4 Pole				
125	13673012	13773012	3 Pole				
	13674012	13774012	4 Pole				
160	13673016	13773016	3 Pole				
	13674016	13774016	4 Pole				
200	13673020	13773020	3 Pole				
	13674020	13774020	4 Pole				
250	13673025	13773025	3 Pole				
	13674025	13774025	4 Pole				
315	13673031	13773031	3 Pole				
	13674031	13774031	4 Pole				
400	13673040	13773040	3 Pole				
	13674040	13774040	4 Pole				
500	13673050	13773050	3 Pole				
	13674050	13774050	4 Pole				
630	13673063	13773063	3 Pole				
	13674063	13774063	4 Pole				
800	13673080	13773080	3 Pole				
	13674080	13774080	4 Pole				
1000	13673100	13773100	3 Pole				
	13674100	13774100	4 Pole				
1250	13673120	13773120	3 Pole				
	13674120	13774120	4 Pole				
1600	13673160	13773160	3 Pole				
	13674160	13774160	4 Pole				
2000	13673200	13773200	3 Pole				
	13674200	13774200	4 Pole				
2500	13673250	13773250	3 Pole				
	13674250	13774250	4 Pole				
3200	13673320	13773320	3 Pole				
	13674320	13774320	4 Pole				
4000	13673400	13773400	3 Pole				
	13674400	13774400	4 Pole				
5000	13673500	13773500	3 Pole				
	13674500	13774500	4 Pole				

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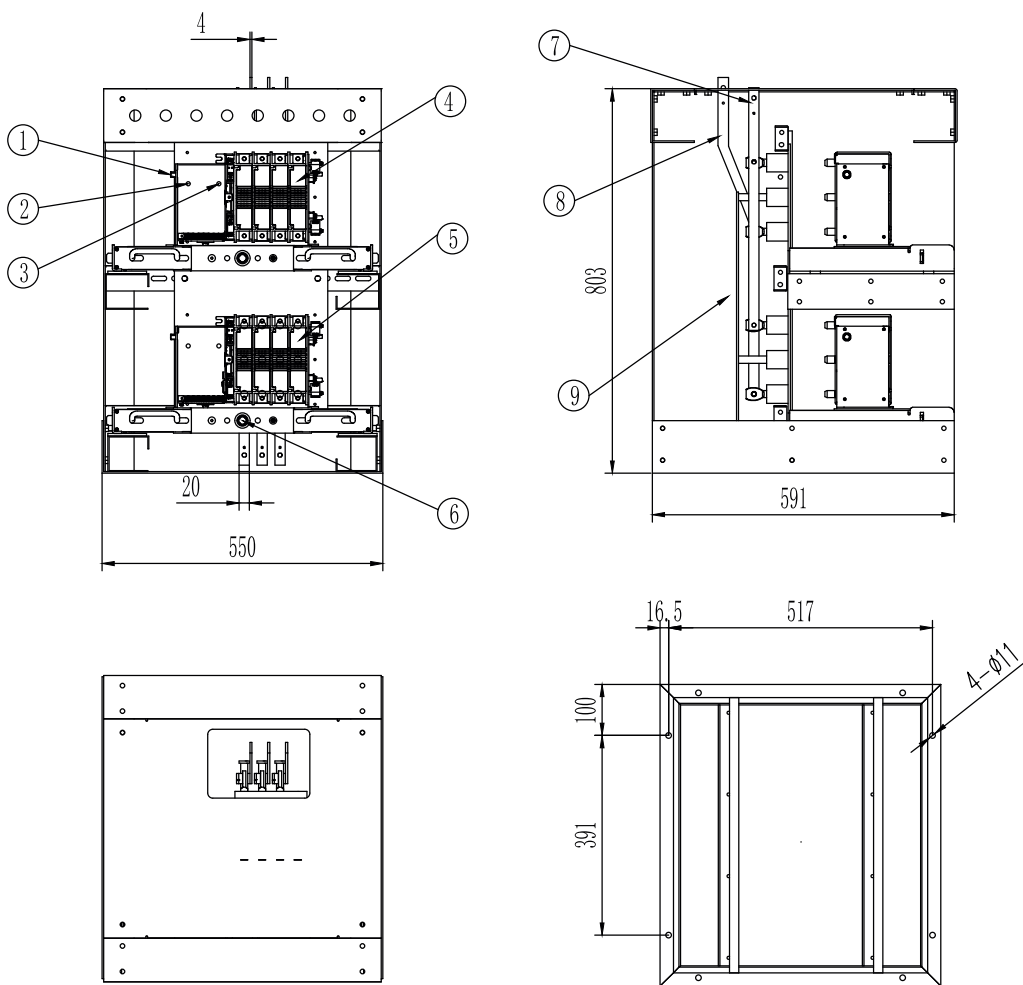
Automatic Transfer Switch



Technical Data

Rated Thermal Current I _{th}		250A								630A				1250A			2000A		2500A	3200A	5000A	
Rated Current I _n (A)		40	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000
Rated insulation voltage U _i (V)		800VAC 50Hz / 60Hz																				
Dielectric strength (V)		10000V																				
Rated impulse withstand voltage U _{imp} (kV)		8kV																				
Rated working current I _e (A)	AC-33A	40	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3200	4000	5000
Rated limit short-circuit current I _q (kA)		120kA																				
Contact Switching Time		< 50ms																				
Conversion aciton time		< 100ms																				
Power Off Time		< 250ms																				
Use categeory		AC-33A (PC)																				

Dimensions
40A-250A



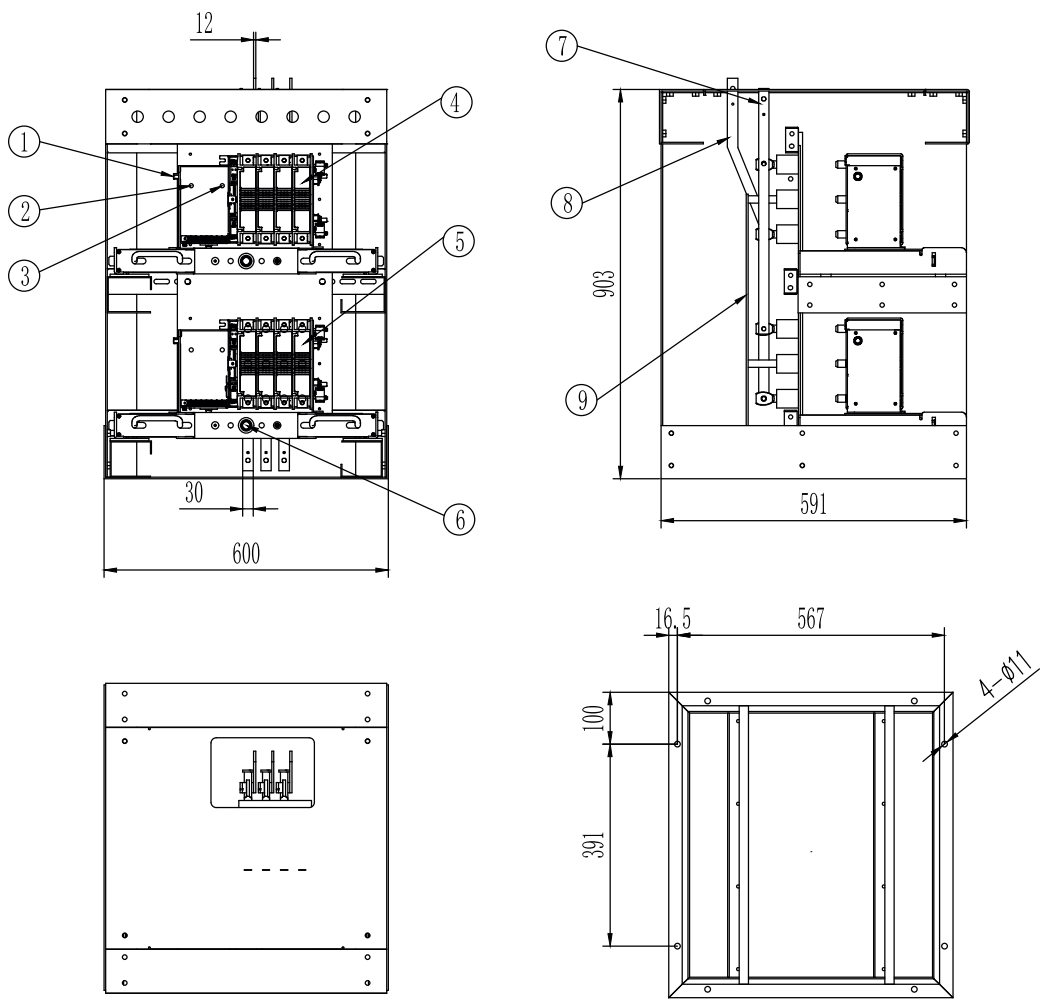
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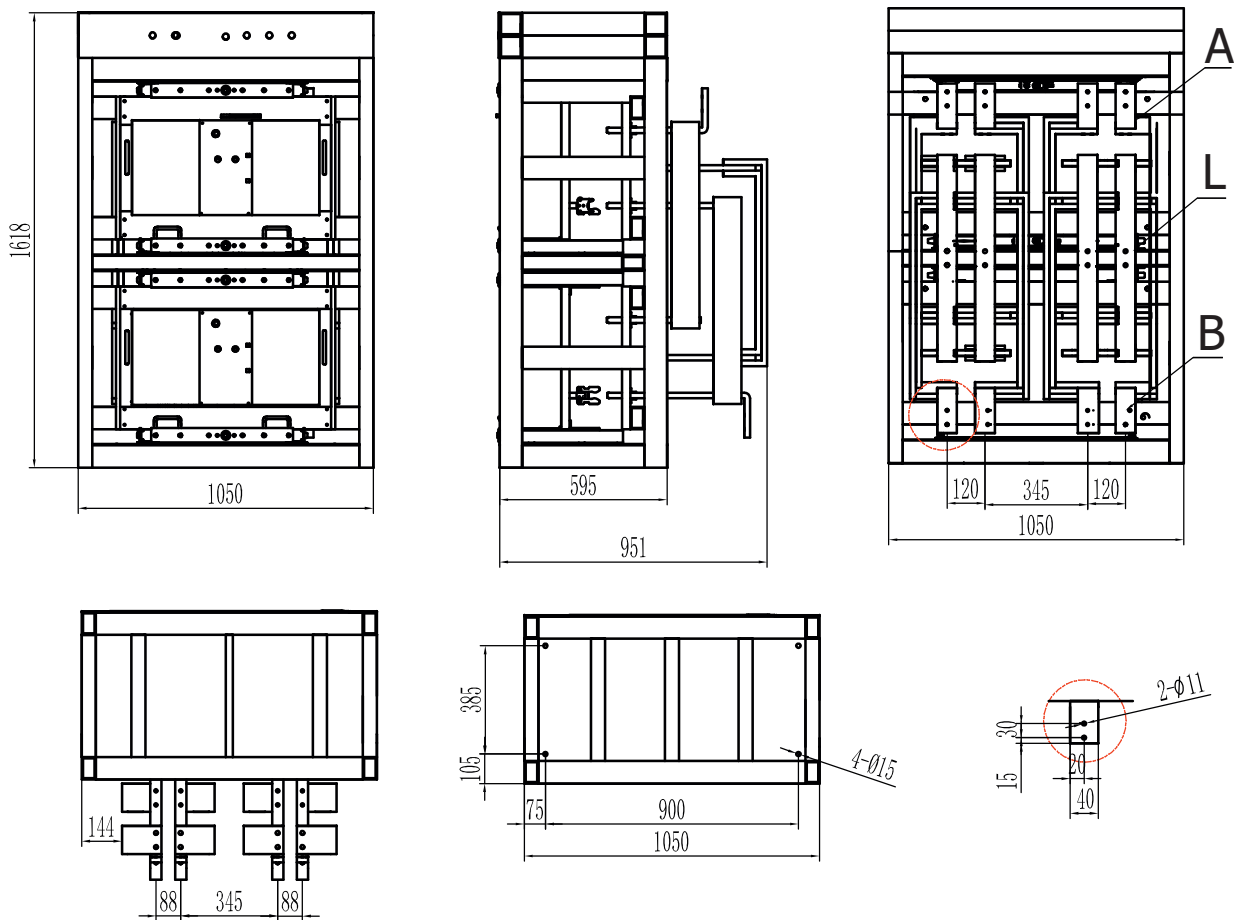


Dimensions

400A-630A



Dimensions
800A-1250A



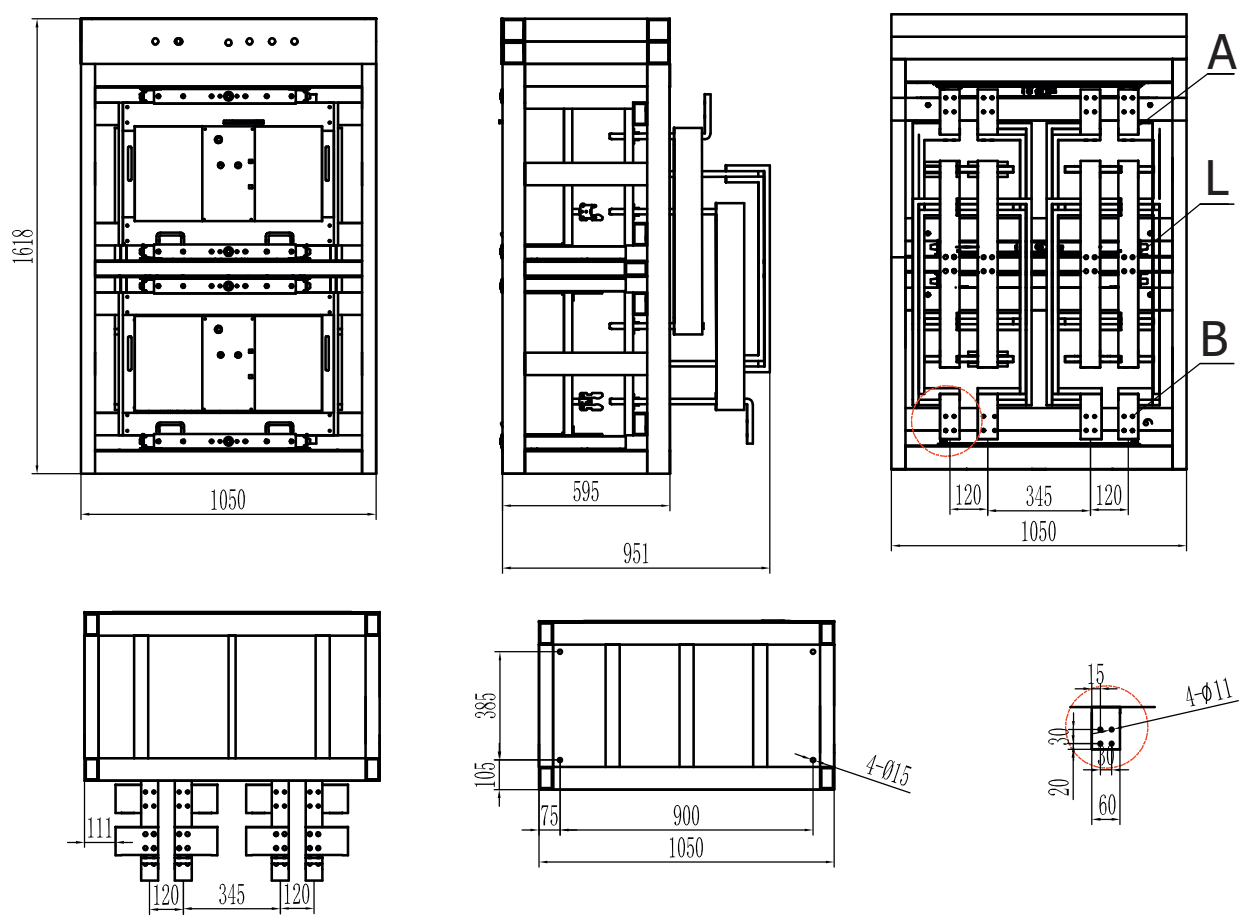
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Automatic Transfer Switch

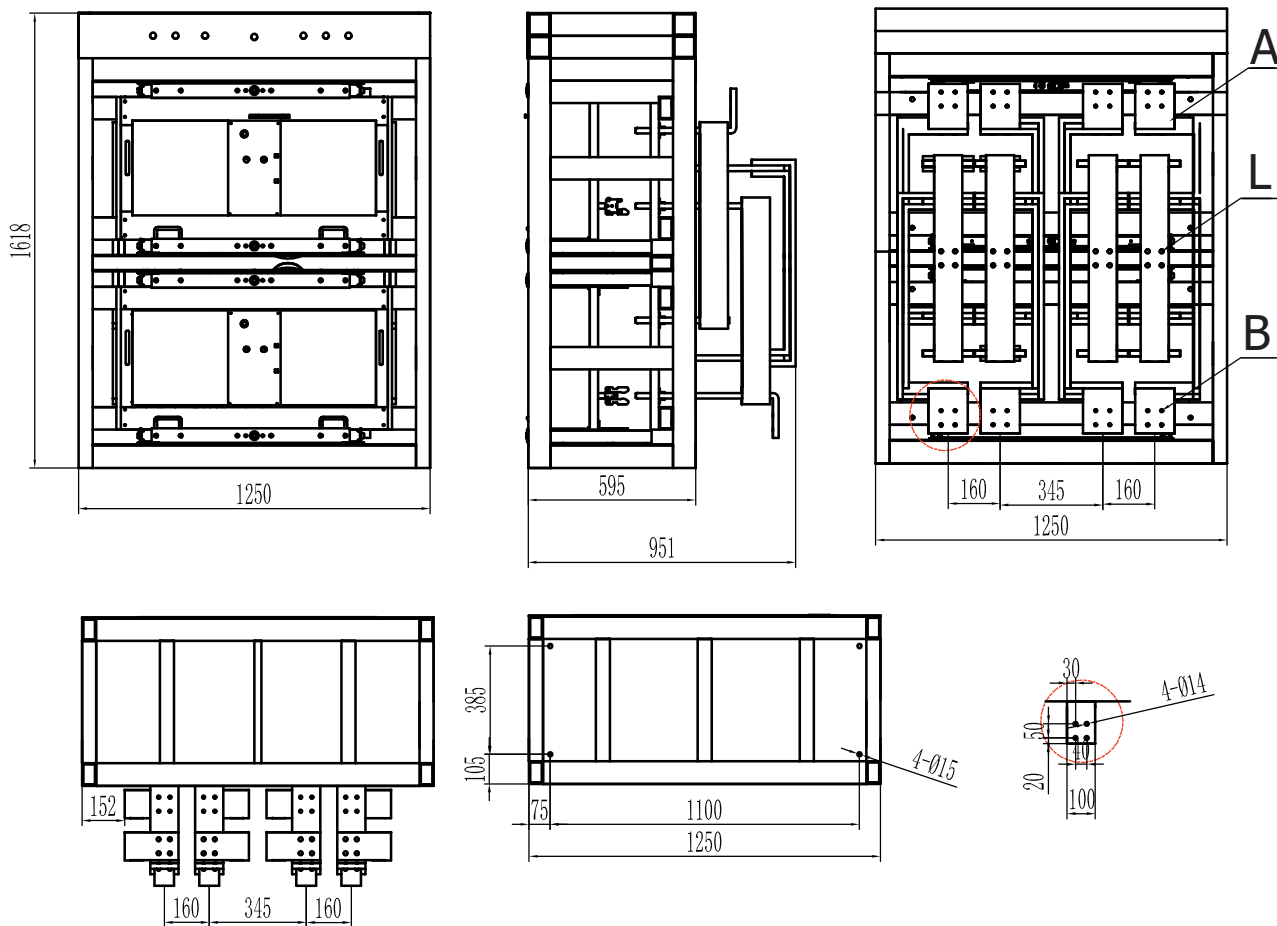
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Dimensions

1600A-2000A



Dimensions
2500A



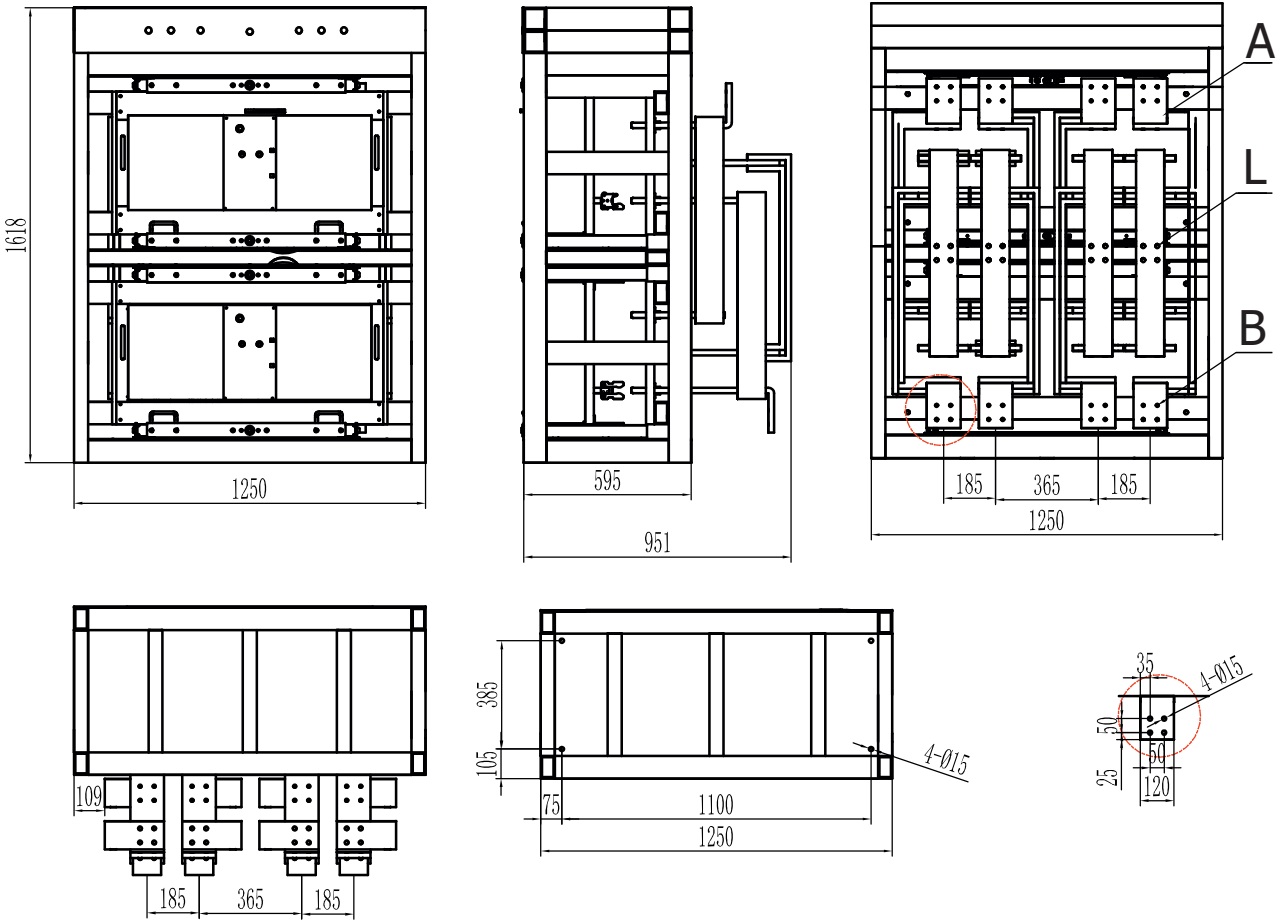
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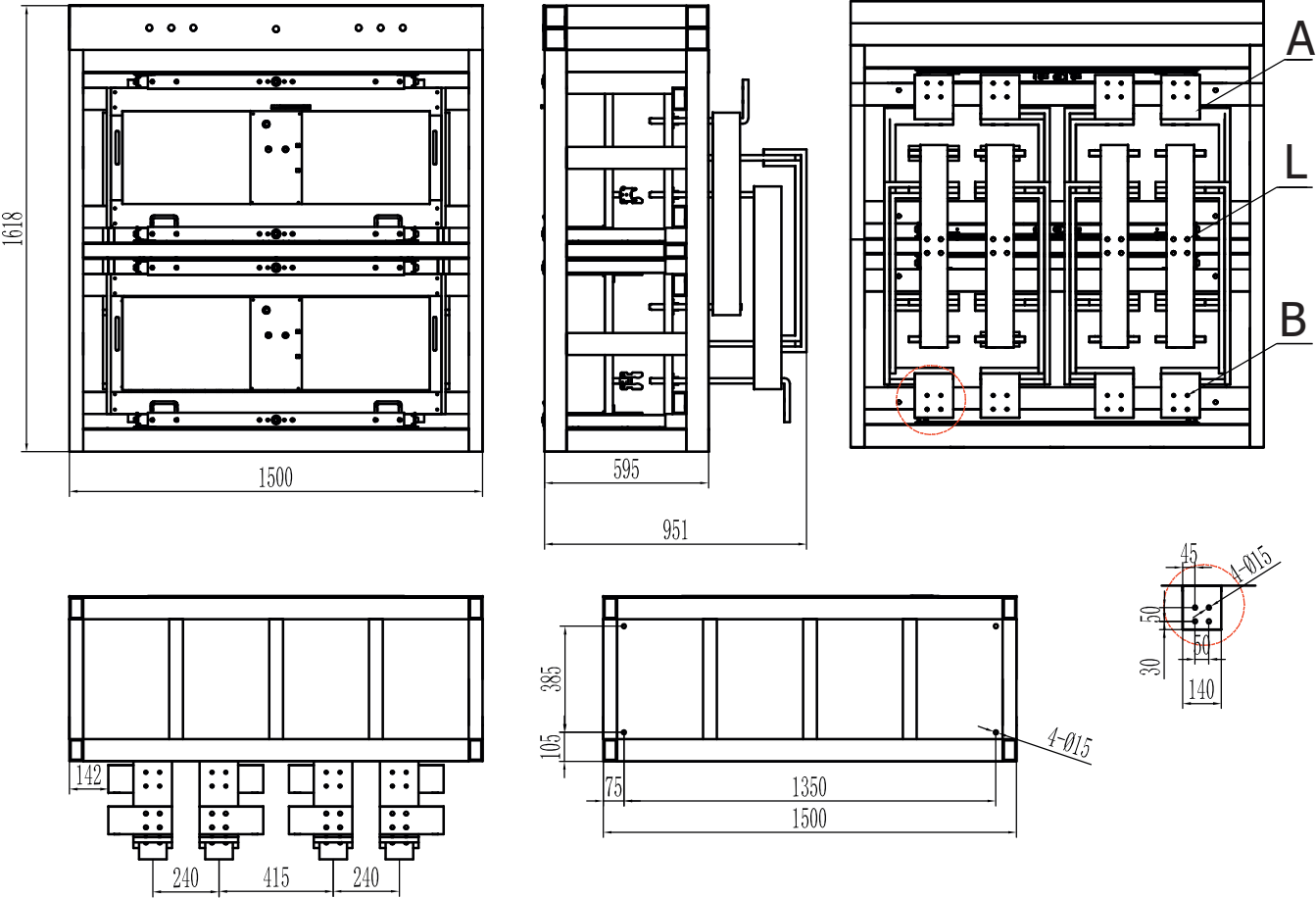
Automatic Transfer Switch



Dimensions

3200A





TWOMASTER ATS-BYPASS SERIES

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Dimensions

5000A

