



On Load By Pass Switches



Dimensional Details :

BY PASS SWITCH 125A-630A

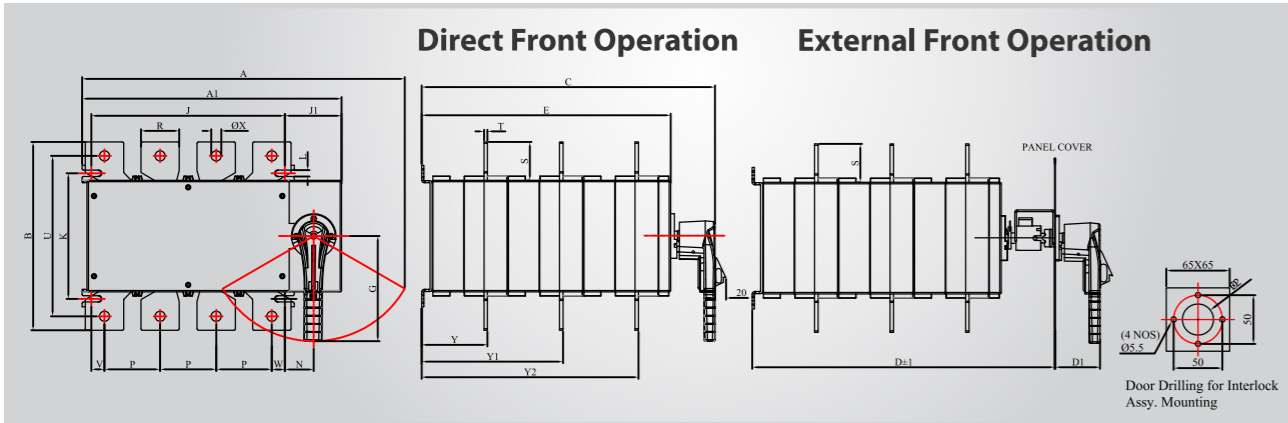


Table with columns: OVER ALL DIMENSION, FIXING OF SWITCH, CONNECTION TERMINAL, SW. WT. and rows for various ratings from 4 x 125A to 4 x 630A.

ALL DIMENSIONS ARE IN mm

BY PASS SWITCH 800A-1600A

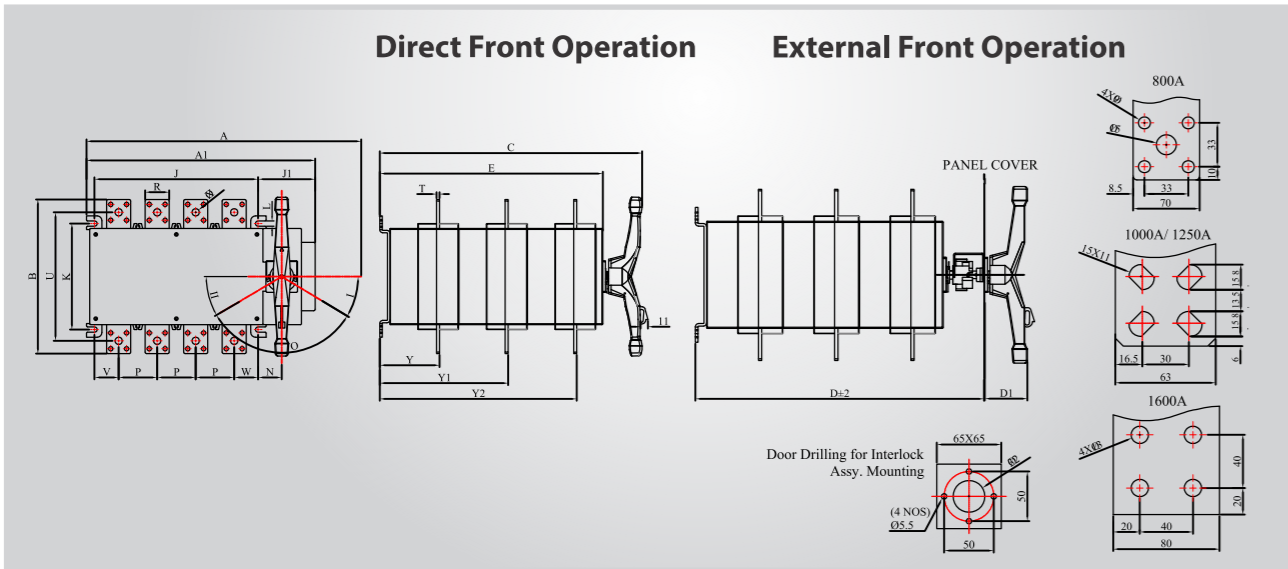


Table with columns: OVER ALL DIMENSION, FIXING OF SWITCH, CONNECTION TERMINAL, SW. WT. and rows for various ratings from 4 x 800A to 4 x 1600A.

ALL DIMENSIONS ARE IN mm



On Load By Pass Switches



Specification Electrical & Mechanical Characteristic

Specification table with columns: Frame Sizes, Current Rating (Frame-1 to Frame-5), Thermal Current, Insulation voltage, Dielectric strength, Impulse voltage.

Rated Operational Current Ie (A) table with columns: Voltage (AC/DC), Current Rating (Frame-1 to Frame-5).

Motor Power (KW) 415V table with columns: Voltage, Motor Power (Frame-1 to Frame-5).

Overload Capacity table with columns: Parameter (Short circuit current, Fuse Rating, etc.), Current Rating (Frame-1 to Frame-5).

Making & Breaking Characteristics table with columns: Parameter (Breaking capacity, Making capacity), Current Rating (Frame-1 to Frame-5).

Endurance table with columns: Parameter (Mechanical Life, Electrical Life, Operating Torque), Current Rating (Frame-1 to Frame-5).

Connection table with columns: Parameter (Min. Cu. Cable / Bus bar size, Min. Al. Cable / Bus bar size), Current Rating (Frame-1 to Frame-5).



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- List of cities and contact information for HPL branches across India, including Ahmedabad, Bangalore, Bhubaneswar, Chandigarh, Chennai, etc.



Power of Technology

On Load By Pass Switch

For IT & Telecom Application



Salient Features

- Range : 125A to 1600A, 415V, AC-23A
Conforms to IS/IEC:60947-3
By Pass Switch is designed to specific need in IT industry and applications where UPS and Servo stabilizer provides main source of supply.
Presence of Arc chute plates enhances contact life
Enhanced Mechanical & Electrical life
Total safety : All moving and live parts covered





On Load By Pass Switches



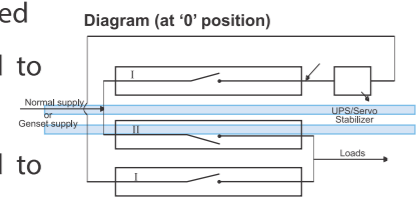
Function

HPL cubicle ON LOAD BY PASS SWITCH connects normal supply to the loads in case stabilized source fails. It by passes the UPS / Servo stabilizers in case of their failures and provides a means of connecting alternative supply to the load. By pass switch also ensure the Isolation of up stream & down stream circuit in one operation.

Operation

Selections of Position

- 0 Loads are open circuited
- I Loads are connected to the stabilized supply.
- II Loads are connected to the normal supply.



Application

HPL BY PASS SWITCH is designed to meet customers specific need in the IT companies where UPS & Servo Stabilizer provide main source of supply. In emergency normal supply can be made available to services without disturbing any installation and at the same time providing time for maintenance of UPS etc. without breakdown of services.

HIGHLIGHTS

- › 100% Neutral rating... true 4 pole switch
- › Line load reversibility
- › Suitable for both aluminum & copper termination
- › Terminal cover, source separator, phase barrier as standard feature
- › Bridging bars mounted on all ratings as standard feature
- › Resistant to Tropical conditions & polluted environment
- › High thermal & dynamic withstand capacity
- › Self extinguishing fiberglass reinforced insulating body
- › Unique Safety Handle with built in door padlock facility
- › 3 lock pad lock, lockable in ON & OFF positions
- › High Electrical & Mechanical life



- Terminal Shroud & Phase barrier as standard design product
- Enclosed operating rod
- 3 lock pad lockable handle in both ON & OFF positions



Self Fire Extinguishing



Load Line Reversibility



Positive Isolation

Approvals & Test

- Time tested
- Customer Accepted
- CPRI Tested
- ISO 9001 Certified



Globally Accepted exporting to over 25 countries



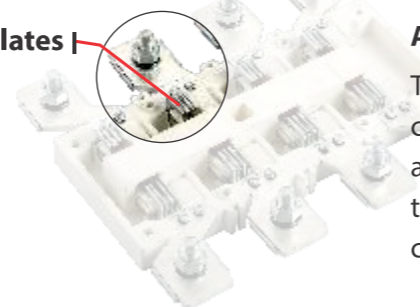
On Load By Pass Switches



Design with Total Safety

Stationary contacts for R, Y, B, N Phase are fixed to the moulded housing. 4 sets of moving contacts housed in a carrier are moved towards right for ON or left for OFF. The moving contacts slide on to the stationary contacts to make the circuit.

Arc Chute Plates



Arc Chamber

The Arc Chamber is specially designed and provided with arc chute plates with an arc channel as a flow guide to reduce the arc length, there by improving the capability of extinguishing the arc. This enhances the life of the moving & stationary contacts thereby increasing the life of the product.

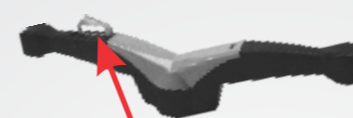
Accessories

Handle up to 320A



Handle with padlock lever

Handle from 400A and above



Double Sided Handle with padlock lever

Auxiliary Contact Kit



Bridging Bars



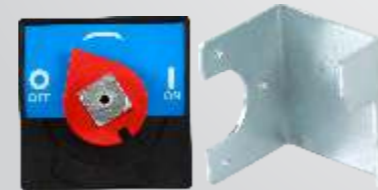
Castell Lock



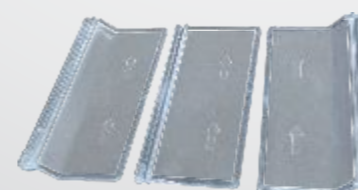
Extended Shaft



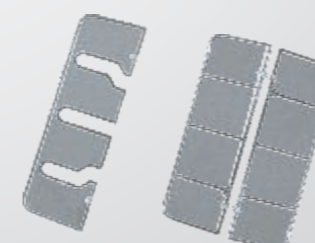
Door Inter Lock Assly.



Inter-Phase barriers



Source Separator & Terminal Shroud



On Load By Pass Switches



By Pass Enclosure



General Characteristics

- Black Handle Padlockable in I - O - II position
- CRCA Sheet (Door 1.2 mm & Body 1.6mm)... 125A to 800A
- CRCA Sheet (Door & Body both 2.0mm)... 1000A to 1600A
- RAL 7035
- 2 External earthing points on each side
- Wall mounted with 4 bolts
- Door locking system allows opening of door only in OFF position
- Incoming & outgoing easily interchangeable at site
- Coating of epoxy polyester powder 70 micron
- Removable plate top & bottom
- Door with solid hinges

References and Dimensions

Rating	L (Length)	W (Width)	H (Height)	X	Y
125A to 200A	290	365	330	325	320
250A to 320A	350	455	356	415	380
400A to 630A	475	575	454	515	525
800A	550	680	568	620	600
1000A to 1600A	800	655	568	600	825

ALL DIMENSIONS ARE IN mm

