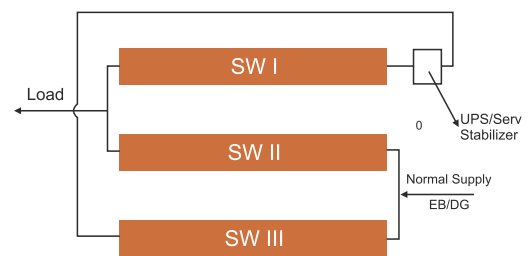


## On Load Bypass Switches

CRYSTAL On Load Bypass Switches having unique modular construction, comprise of three On Load Switch Disconnectors.

These are manually operated four pole switches with compact design for application in low voltage distribution circuits and motor circuits, where one load is to be bypassed from the other load in circuit.

These are designed to meet customer specific need in the IT companies where UPS and Servo Stabilizers 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 service.



Single Line Diagram

### RANGE & FRAME SIZE

Current range **125 A to 3150 A** in Seven frame sizes in Four Pole. All frames are available in Open Execution & Thick Sheet Steel Enclosure

Size 1	125 A
Size 2	160 A , 200 A
Size 3	250 A , 320 A
Size 4	400 A , 630 A
Size 5	800 A
Size 6	1000 A , 1250 A , 1600 A
Size 7	2000 A , 2500 A , 3150 A

### SALIENT FEATURES

- While breaking the circuit, guaranteed sufficient air sectioning clearance Utilization category-AC 23A.
- Strong endurance and resistance to heat (Tropicalised).
- Flag indicator for three stable positions (1-0-2) & possible switching on or off, on load, thereby fulfilling the roll of switching device.
- All current carrying parts are of special grade E.T.P. Copper and with silver plated.
- Knife type contact system with self wipe feature allows cleaning of contact during each operation, calling for lesser maintenance and longer life.

### SPECIFICATIONS

Built to high performance specifications with high quality materials and meticulous quality process with assured best operation on the following parameters

Rated Operational Voltage (V)	415
Rated Insulation Voltage (Ui)	1000 V
Rated Frequency	50/60 Hz
Utilization Category	AC 23 A
Rated impulse withstand Voltage(Uimp)	10 kV

### CONFORMS TO STANDARDS

IEC 60947-3

### APPLICATIONS

Power Distribution  
Manufacturing Process  
Industrial Building  
Residential Building  
Commercial Building  
Healthcare  
Internet Data Centers  
HVAC  
Tele Communications