

### Specification of 800 Amps Air Circuit Breaker

800 Amps, 415 V AC, 50 Hz., 3-Pole Air Circuit Breaker (ACB), Model: S800, Electrically Operated (EDO) type with 230 V AC Spring charging motor, Closing Coil voltage: 110 V DC, Shunt Release (tripping) Coil Voltage: 110 V DC and 8 NO + 8 NC auxiliary contacts with Horizontal rack-in/out mechanism and microprocessor based release of type LMZ 7 and as per nameplate details provided below and complete with all accessories including ACB cradle (fixed part), arc chutes, racking handle, castell interlock etc.

Make: General Electric (GE) Spectronic

Note:

- 1) The above ACB shall be suitable for one to one replacement of our existing ACB of model S800 of nameplate details provided below
- 2) 1 no. hard copy of maintenance and spare parts manual, wiring diagram of the ACB shall be provided along with the supply of the ACB
- 3) Test and Guarantee Certificates shall be provided along with the above ACB.

#### Nameplate details of existing 800 Amps Air Circuit Breaker

Model: GE Spectronic

Type: S800

Pole: 3-Pole

Ue: 415V/500V

Frequency: 50 Hz

Ui: 1000 V

Uimp: 8 kV

Ics (kA) at 415V/500V: 55 kA

Icu (kA) at 415 V: 55 kA  
at 500 V: 55 kA

Closing Coil voltage: 110 V DC

Spring Charging Motor supply: 230 V AC

Shunt Release (tripping) Coil: 110 V DC

Release mechanism: Microprocessor based of type LMZ 7 with following selectable fault protection settings

- i)  $I_o$  : E/F Pickup  $-(0.2 - 0.7) \times I_n$
- ii)  $I_{>>}$  : ST Pickup  $-(3 - 9) \times I_r$
- iii)  $t_{>>}$  : ST Delay  $- Inst, 0.2, .3, .4 Sec$
- iv)  $I_r$  : LT Pickup  $-(0.5 - 1) \times I_n$

Auxiliary Contacts: 8 NO + 8 NC

Standards: IEC 60947-2, IS 13947-2

Make: General Electric (GE)

*Usha*

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