

devices shall be provided in all MDB/s of 200 Amp. rating and above. Provision of these in SMDB/s is not precluded.

The switch gear, equipment and accessories shall generally comply with the standards specified in Appendix – 1, as applicable (BS EN 60670, BS EN 60898, BS EN 60947, BS EN 61439, IEC 61439).

4.5.2 Final Distribution Boards

The distribution Board/s (DB/s) installed for connection of the final Circuits within the electrical installations shall be factory built complying with BS EN 61439/IEC 61439. An integral isolator shall be provided for isolation of the incoming supply.

The circuit breaker accessories, etc. shall generally comply with the standards specified in Appendix.1.

Re-wirable type fuses shall not be permitted in any type of wiring installation. The details of parameters of the individual equipment & components in the DBs, in general, may appropriately be selected and specified as per the typical guidelines given in Appendix 8.

4.6 APPARATUS & ACCESSORIES

4.6.1 Switches

The switches provided for local isolation of electric supply to individual apparatus and/or circuits shall comply with BS EN 60669. The rating of the switches shall be selected based on individual applications, such as for resistive or inductive loads. The minimum current rating shall be 5 A.

For industrial use the switches shall be metal clad. Weatherproof switches shall be used for all outdoor installations.

Switches installed for control of discharge lighting shall have a current rating not less than twice the steady state continuous current of the circuits.

Gang switch with phase barrier inside the switch boxes shall be provided for large group of lighting.

Weather protected switches (IP55) shall be used for outdoor locations.

Gas sealed switches (BS EN 60079) shall be used for areas like battery rooms, gas storage areas etc, where there is high risk of fire or explosion