

CODE OF PRACTICE FOR TEMPORARY ELECTRICAL INSTALLATIONS  
– CONSTRUCTION AND BUILDING SITES

**AMENDMENT NO. 1**

April 2007

**1. Page 20, 5.4.2 Single-phase socket-outlet assembly fed from single-phase source**

*Delete* the entire subclause 5.4.2 and *replace* with the following:

**5.4.2 Single-phase socket-outlet assembly fed from single-phase source**

The assembly shall be fed from either a 32 A single-phase 230 V source, or a 16 A single-phase 230 V source.

**32 A single-phase 230 V source**

- A fixed plug rated at 32 A single-phase 230 V shall be provided to receive the 32 A single-phase 230 V incoming supply. A 32 A double-pole MCB shall be provided to control the incoming supply.
- A maximum of up to six numbers of 16 A 2-pole and earth socket-outlets shall be provided.
- Each socket-outlet shall be controlled by a double-pole MCB not exceeding 16 A current rating.

**16 A single-phase 230 V source**

- A fixed plug rated at 16 A single-phase 230 V shall be provided to receive the 16 A single-phase 230 V incoming supply. A 16 A double-pole MCB shall be provided to control the incoming supply.
- A maximum of up to three numbers of 16 A 2-pole and earth socket-outlets shall be provided.
- Each socket-outlet shall be controlled by a double-pole isolator of at least 16 A current rating or MCB not exceeding 16 A current rating.

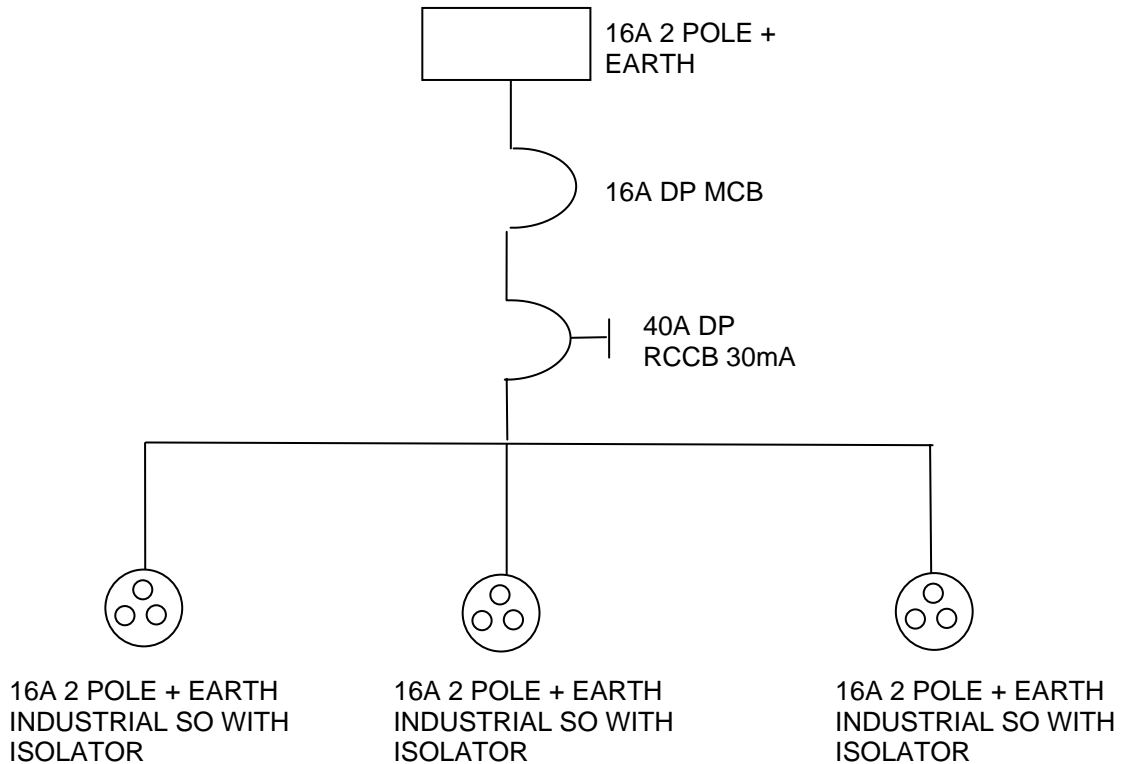
All socket-outlets shall be protected by residual current circuit breaker complying with Singapore Standard SS 97 having a rated residual current not exceeding 30 mA.

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**2. Page 20, 5.4.5.4**

*Amend 5.4.5.4 and insert an additional Figure 5 after Figure 4 as follows:*

5.4.5.4 The schematic connection arrangements of the socket-outlet assemblies are shown in Figures 1 to 5.



**Figure 5 – Example of single-phase socket-outlet assembly fed from a single-phase source**

**3. Page 25, 5.8.4 Electrical welding system**

*Delete the entire subclause 5.8.4 and replace with the following:*

**5.8.4 Electrical welding system**

D.C. welding sets shall be used, as far as practicable, for all welding works, in particular, for general welding works. The extra low voltage of d.c. welding sets eliminate the possibility of fatal electric shock that may arise with the use of a.c. welding sets.

All welding sets and the associated tools and accessories shall be properly maintained and checked before issuing for use.

Where the use of a.c. welding sets is inevitable for special welding works, the following safety procedures shall be observed:

- a) Every a.c. welding set shall be equipped with an effective low voltage shock preventor. The preventor shall effectively reduce the open circuit secondary voltage to a safe level not exceeding 25 V;

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- b) The low voltage shock preventor shall be of the built-in type. The workpiece should be connected to the return terminal of the welding set through a proper return conductor;
- c) The low voltage shock preventor shall be inspected and tested by a competent person once every six months; and
- d) Every welding work involving a.c. welding sets shall be carried out under direct supervision, as far as practicable. The supervisor and welder shall ensure that all safety precautions associated with such welding are observed at all times.