



NSW DEPARTMENT OF  
PRIMARY INDUSTRIES

# Electrical Engineering Safety

## Decision Sheet 11.1

### 240 volt socket outlets

***A basis for consistent application of Electrical Engineering Safety issues at NSW mines***

*Decision Sheets are developed by the Inspectors of Electrical Engineering in response to issues raised or questions asked by others in the DPI, in particular Mine Safety Operations and from our external clients. They are for use by any staff in Mine Safety Operations, but primarily by Electrical Engineering staff. They can be distributed externally to the DPI.*

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## Preamble

Mines utilise 240 volt socket outlets in many parts of an operation. Typical locations are: Offices, workshops, laboratories, processing plants, bathhouses and underground.

## Issue

Domestic 240 volt socket outlets may not be suitable because of the presence of moisture, dust or other environmental contaminants. They may also not be suitable because of the likelihood of mechanical damage.

## Position

Domestic 240 volt socket outlets must only be used in locations that are similar to domestic premises. Generally this will be offices only.

Industrial grade 240 volt socket outlets must be used at all other locations.

IP56 rated socket outlets are recommended.

Note: RCD protection must be fitted to protect all socket outlet circuits irrespective of when the original installation was done. Max 30mA

