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## Risk Element

- Exposure to the danger of electrical shock;
- Risk of fire due to overheating and overloading of joint;
- Danger to third parties.

### Precautions to Eliminate/reduce Risk:

Use adequately trained/experienced personnel only.

### Action in an Emergency

- Switch off and isolate electrical supply;
- Remove injured person(s) from danger area (if without risk);
- Render first aid;
- Call emergency services.

### Safe Working Method

**NOTE: Reference should be made to the I.E.E. Regulations (BS7671) and the Electricity at Work Regulation 1989 before implementing these procedures.**

Where necessary to prevent danger, every joint and connection in a system shall be mechanically and electrically suitable for use.

Establish what type of joint is required check.

- The system voltage;
- That the connection is suitable for the environment;
- That the connection chosen is suitable for the equipment;
- The current carrying capacity of the connection.

Special attention must be given to joints required for portable equipment since these may be handled, whilst live.