Switch-rated plugs & receptacles

For Easier
GAS TURBINE MAINTENANCE
at Power Generation Facilities

- **Increase Maintenance Efficiency**
  Safely disconnect and connect loads and quickly service equipment without needing an electrician on site.

- **Ensure Arc Flash Protection**
  Prevents exposure to arc flash and live parts, simplifies NEC/CEC and NFPA 70E/CSA Z462 compliance.

- **Provide the Safety of a Switch**
  UL/CSA listed switch mechanism enables safe make and break of loads up to 200A, 75hp. Eliminates need for auxiliary switches.

Switch-rated plugs allow quick disconnection of electrical cables located above gas turbines. Costs associated with maintenance of gas turbines (including roof removal) are reduced.

Ideal for connecting power to...

- **ROOF AREA CONNECTIONS**
  To simplify turbine maintenance

- **WELDING MACHINES**
  For arc flash protection

- **PUMPS**
  For easy motor change-outs – Simplifies NFPA70E/CSA Z462 compliance

- **PORTABLE EQUIPMENT**
  For safe connect and disconnect

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Application Challenge: Scheduled maintenance at gas-turbine power generation facilities often requires removal of the facility’s rooftop to obtain access to the turbines. Since there are many hard-wired, electrical cables that run in rooftop cable trays above the turbines, they must be disconnected to permit crane access to the turbines. This disconnection task requires an excessive amount of electrical work, resulting in significant downtime and labor costs, as well as a loss of revenues while turbine maintenance is being performed.

In some installations, the time to remove the hardwired motors, auxiliary electrical loads and control wiring can take up 10 hours to complete. But once the maintenance is performed, additional time must be taken to re-connect the cabling and rooftop prior to bringing the turbine generators back on line.

Connection Solution: To circumvent the time consuming and expensive process of unwiring/wiring rooftop cabling, Meltric Corporation has devised an alternative to hardwiring motors, electrical equipment, and control wiring located in the rooftop cable trays.

By connecting the rooftop cabling with Switch-Rated plugs and receptacles, significant cost and time-savings can be achieved. Meltric’s plugs & receptacles can safely, quickly and easily connect and disconnect motors and electrical equipment.