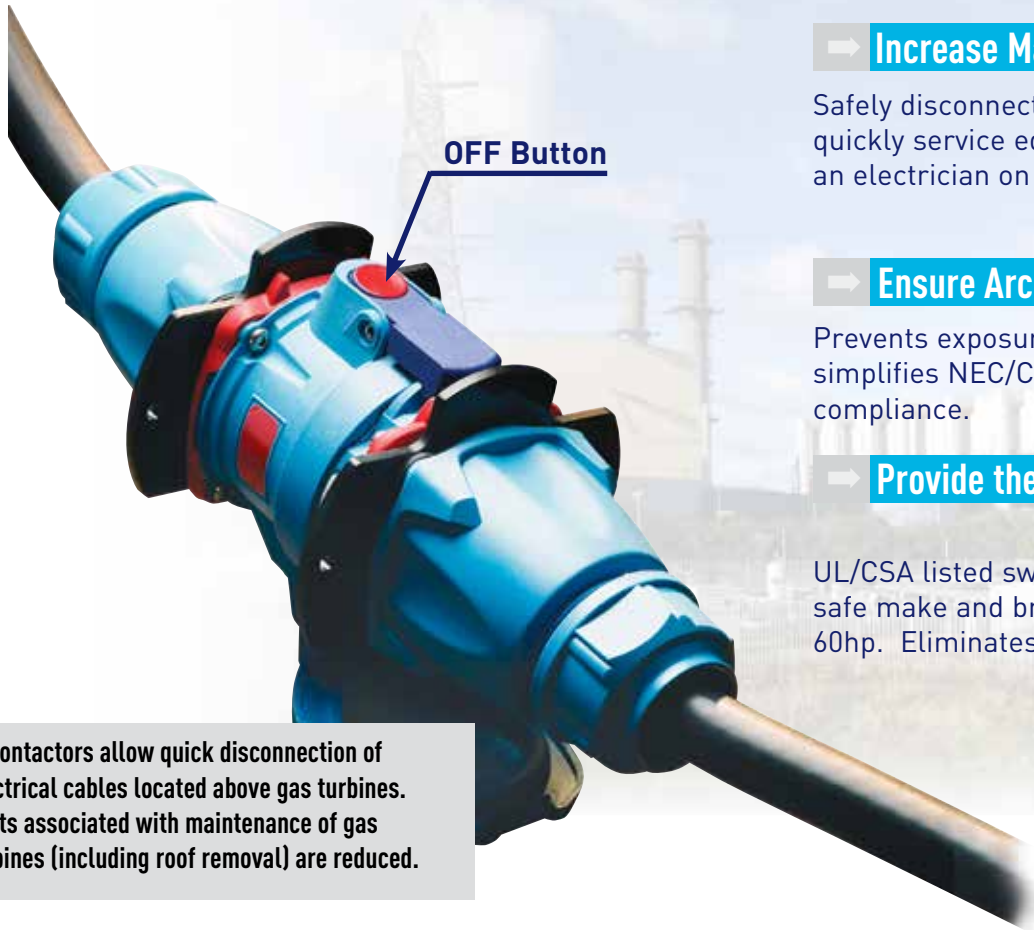


SWITCH-RATED PLUGS & RECEPTACLES

For Easier **GAS TURBINE MAINTENANCE** at Power Generation Facilities



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

→ 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, 60hp. Eliminates need for auxiliary switches.

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

APPLICATION NOTE FOR GAS TURBINE POWER GENERATION FACILITIES

Switch-rated Plugs & Receptacles: **A COST SAVING ALTERNATIVE** to Hardwiring Motors, Electrical Equipment, and Control Wiring

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 DECONTACTOR Series Switch-Rated plugs and receptacles, significant cost and time-savings can be achieved. Meltric's Decontactors can safely, quickly and easily connect and disconnect motors and electrical equipment.



Switch-rated plugs and connectors allow technicians to safely disconnect and reconnect roof area power cables - simplifying turbine maintenance.



Meltric also offers a variety of multi-contact plugs and connectors with up to 37 contacts for control and/or power circuits.



GASTURBINE A

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