

# MELTRIC PRESENTS...

## DECONTACTOR™ SERIES SWITCH-RATED GENERATOR PLUGS



Meltric DSN60A  
30A, TYPE 4X  
10 HP, 480VAC  
63-64143  
SWITCH RATED RECEPTACLE/CONNECTOR  
MOTOR CIRCUIT DISCONNECT SWITCH  
BRANCH CIRCUIT DISCONNECT SWITCH

Typical device label indicates switch and hp ratings plus UL & CSA listing.

- Provide the Safety of a Switch  
Switch mechanism enables safe make and break of loads up to 200A, 60 hp, 600V.
- Ensure Arc Flash Protection  
Prevents exposure to arc flash and live parts, simplifies NFPA 70E compliance.
- Maximize Outdoor Durability  
Silver-Nickel contacts resist corrosion. Casing is watertight to Type 4X.



Solid Silver-Nickel, Spring-Loaded Butt Contacts provide maximum durability and performance.

## More DECONTACTOR SERIES GENERATOR PLUG ADVANTAGES



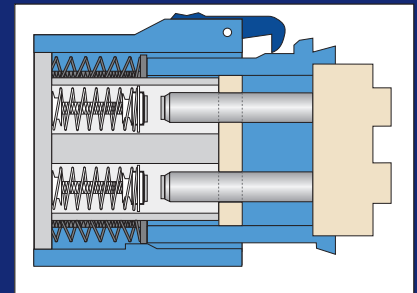
### SAFETY SHUTTER

- ▼ Prevents access to live parts to all but the correct mating plug.
- ▼ Plug contacts are always dead before plug can be removed from receptacle.



### LOCKING FEATURE

- ▼ Plug can be locked in the connected or disconnected positions.
- ▼ Lockout provisions are standard on the plug and optional on the receptacle.



### QUICK BREAK OPERATING MECHANISM

- ▼ Minimal arcing because contacts break in about 15 milliseconds.
- ▼ Enclosed Arc Chambers prevent outside exposure to arcs.

# Case Study: GENERATOR/LIFT STATION CONNECTIONS IN WATERTOWN, WI



Previous success with mixer connections throughout the city's wastewater plant led the Watertown wastewater utility to also equip its portable emergency generators and remote lift stations with Deconnector Series plugs and receptacles.

## Safety Features Prevent Electrical Accidents

A power failure may make it necessary to bring portable generators to power the remote lift stations until service is restored. Previously, these stations were equipped with conventional pin and sleeve connectors. However, these devices could not be locked easily to prevent tampering or injury to children or vandals who might try to remove the plug.

Assistant Water Systems Manager –Kevin L. Freber explains, "The generators deliver 100 amp service, and with the plugs we had before, there was no way of locking the two parts together. Any child could walk up and pull it apart." Freber also points out that the Deconnector plugs and receptacles are easy to lock to prevent tampering and also are safe during and after disconnection. He states, You have to twist it to open it, and even if someone could get it apart, they never could get at the live contacts." This is due to their dead-front construction and enclosed arc chambers.

Easily accessible contacts on the previous connectors had the potential to expose workers or others to live power, so switching to Meltric's Deconnectors series switch rated plugs and receptacles also helped the utility to simplify compliance with NFPA 70E arc flash requirements.

## Quickly Connect or Disconnect Power

The ability to connect or disconnect quickly and safely makes it easier to move generators around to various lift stations for monthly test runs or if necessary during a prolonged or widespread power outage. Arc flash can be a concern when it becomes necessary to use mobile generators for emergency power, but the city's lift stations are now constructed to minimize or eliminate this risk. Freber explains, "Using the Deconnector to connect to the generator with this arrangement we can switch safely from city to emergency power." Now, it takes only minutes to connect a generator and begin pumping.



Making 100A generator connections at a lift station in Watertown, WI.



During test runs the plug is locked in the connected position to prevent injury to unauthorized people who might try to remove it.

## MORE GENERATOR PLUG APPLICATIONS

### AGGREGATE PLANTS



Meltric plugs and receptacles are durable in harsh environments.

### POWER PLANTS



Meltric plugs and receptacles ensure arc flash safety and simplify NFPA 70E compliance

### OTHERS

- Cell Towers
- Portable Plants
- Carnivals/Fairs
- Emergency Lighting

### COST SAVING ADVANTAGE

Some Meltric generator receptacles can safely intermate with different voltage/phase plug configurations. Contact Meltric for details.

250V (3P+N+E)  
Plug

250V (2P+E)  
Plug

125V (1P+N+E)  
Plug

