

# POWER GENERATION

**MELTRIC SWITCH-RATED PLUGS AND RECEPTACLES  
WITH DECONTACTOR™ TECHNOLOGY**



[meltric.com](http://meltric.com)

**MELTRIC**  
A COMPANY OF MARECHAL ELECTRIC

# SWITCH-RATED PLUGS AND RECEPTACLES



## The MELTRIC® Advantage Exclusive Switch-Rated Safety

MELTRIC® Switch-Rated plugs and receptacles combine the safety and functionality of a switch with the convenience of a plug and receptacle. They help ensure worker safety while reducing equipment and labor costs. They are UL/CSA rated for motor circuit and branch circuit disconnect switching, and meet NEC code requirements for line-of-sight disconnects. Switch-Rated plugs and receptacles eliminate the need for expensive auxiliary disconnects and enable plug-and-play equipment changeouts.

### DECONTACTOR™ Technology

#### Spring-Assisted Screw Terminals

Exclusive design ensures "tighten and forget" confidence.

#### Spring-Loaded, Butt-Style Contacts

Ensure superior performance.

#### Watertight Lid

Type 4X/IP69/IP69K.

#### OFF Button

Press to de-energize.

#### Reinforced Casing

Impact, corrosion, and environmental resistance.

- NEC, NFPA 70E, and CSA Z462 Compliance
- Line-of-Sight Disconnect Switch
- Safety Make and Break Under Load

#### Lockout/Tagout Provisions

Easy LOTO.

#### Silver-Nickel Contact Material

Highly conductive, durable, and corrosion resistance.

#### Dead-Front Safety Shutter

Prevent access to live parts.



### DSN 20-150 A (Up to 75 hp)

- Compact, lightweight design
- Type 4X/IP69/IP69K
- Up to 6 auxiliary contacts
- Poly or Metal casings
- Short circuit rated up to 100 kA



### DS 20-200 A (Up to 100 hp)

- Rugged construction
- Type 3R or 4X/IP69/IP69K
- Up to 6 auxiliary contacts
- Poly or Metal casings
- Short circuit rated up to 100 kA

## Common Product Accessories

### Handles



Handle with Cable Range

Handle with Cord Grip

Finger Drawplates

### Angles and Boxes



Metal Junction Box

30° Metal Angle

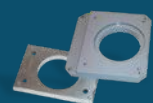
70° Metal Angle

### Pawls



Padlockable Pawl

### Adapter Plates



Customizable

Additional accessories are available to fit your application needs.



# SOLUTIONS FOR EVERY STAGE of the Power Generation Industry



## Welding Machine Connections

MELTRIC Switch-Rated devices allow workers to safely connect and disconnect welding machines, even in overload conditions.

MELTRIC Switch-Rated devices reduce costs by eliminating the need for interlocks and auxiliary disconnects.



## Downtime Critical Motors

When replacement motors are pre-wired with Switch-Rated devices, a mechanic can safely change out a motor by unplugging the old motor and plugging in a new one. No electrical work is required.

MELTRIC Switch-Rated plugs and receptacles utilize motor starter contact technology, allowing users to safely make and break motor loads up to 100 hp.



## Portable Power Distribution

MELTRIC portable power distribution boxes and extension cords gets the power where you need it and provides the safety of a switch wherever connections are made and broken.

MELTRIC devices provide an "inline switch" when used on extension cords.



## Chillers and Cooling Systems

Built to thrive in challenging conditions, MELTRIC devices ensure superior electrical performance in high-demand environments. MELTRIC enables efficient maintenance and equipment changes, reducing downtime to a minimum.

Switch ratings and dead-front design ensure safe connection and disconnection even under load.



# Type 4X/IP69/I





**POWER GEN**  
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### Pump Connections

Submersible pumps, float pumps, and process pumps can be safely and quickly disconnected and reconnected with Switch-Rated plugs and receptacles.

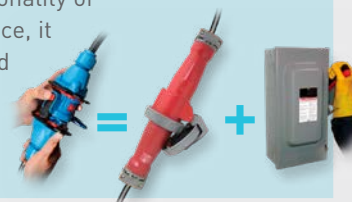
Add auxiliary contacts to MELTRIC plugs and receptacles to monitor temperatures or communicate alarms via the same connection that provides power.



### Cooling Fan Disconnects

MELTRIC Switch-Rated devices provide convenient power supply connections and local disconnects for cooling fans and other HVAC equipment.

To match the functionality of a Switch-Rated device, it would take a pin and sleeve plug plus a non-fused safety switch.



### Portable Equipment Connections

MELTRIC Switch-Rated plugs and receptacles are ideal for safely connecting or disconnecting power to welders, lighting, pump, heaters and other electrical equipment.

Disconnecting a Switch-Rated plug and receptacle is an NFPA 70E defined "Normal Operation." No PPE is required.



### Safety Switch/Receptacles

Retrofit existing safety switches so workers can safely de-energize equipment without having to open the disconnect (to verify de-energization) and risk exposure to live parts.

MELTRIC safety switch disconnect combinations are intended for use in power supply applications where additional over current and short circuit protection is desired.



# P69K UL/CSA

# APPLICATION SPOTLIGHT

## Benefit from MELTRIC® Switch-Rated Plugs and Receptacles Throughout Your Plant



### Gas Turbine Maintenance

Scheduled maintenance of gas turbine power generation facilities is arduous. It often involves removal of the rooftop to permit crane access to the turbines. Doing so requires considerable electrical work to disconnect hard-wired equipment and wiring run through cable trays above the turbines.

Once the maintenance or replacement of the turbine is complete, the process is reversed and all the equipment and wiring must be reconnected before it can be put back into service. Cumbersome electrical work can take days to perform, resulting in significant operational downtime, labor costs, and lost revenue.

**Challenge:** Streamline the electrical work to reduce maintenance costs and the generating capacity/revenue lost due to downtime.

**Solution:** Connecting motors, equipment, and cabling with MELTRIC Switch-Rated plugs and receptacles allows their disconnection and reconnection with plug-and-play simplicity and in complete safety, without the need for cumbersome PPE or safety procedures. The need for hard-wiring is virtually eliminated, saving days and thousands of dollars of maintenance work to get the turbine back in service and producing revenue quickly.

#### Roof Area Electrical Connections (Above Turbines)

Switch-Rated plugs and receptacles allow technicians to safely disconnect and reconnect roof area power cables – simplifying turbine maintenance.



# Switch-Rated





# Electrical Connection Solutions for Your Industrial Applications

Explore the complete line of MELTRIC plugs, receptacles, and accessories providing solutions for a broad range of electrical connection applications.

- Standard Duty up to 400 A
- Multipin devices available with 4-37 contacts
- Hazardous Location devices for Class I & II Div 2 and Zone 1/21 & 2/22 environments
- High Temperature devices, up to 30 A, 465°F
- High Amperage devices, up to 600 A
- RETTBOX® S Electromagnetic Self-Ejection
- Power Distribution—Rubber Boxes, Panel Assemblies, Custom Configurations, Receptacle/Wall Box Combinations, and more



**Standard Duty**



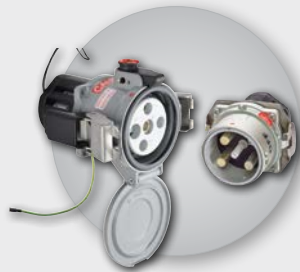
**Multipin**



**Hazardous  
Location**



**High Temp**



**High  
Amperage**



**RETTBOX® S**



**Power  
Distribution**

Our friendly engineering and customer service teams are available Monday - Friday, 7 a.m. - 5 p.m. (Central Time)

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MELTRIC excels with the industry's leading delivery times.

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## Plug into **BLUE**

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