

POWER GENERATION

MELTRIC SWITCH-RATED PLUGS AND RECEPTACLES
WITH DECONTACTOR® TECHNOLOGY



SWITCH-RATED PLUGS AND RECEPTACLES

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 assures "Tighten and Forget" confidence.

Spring-Loaded Butt-Style Contacts

Ensure optimal contact force and superior electrical performance over thousands of operations.

Lid

Provides up to Type 4X/IP69/IP69K watertightness for additional protection in harsh environments.

OFF Button

Press to deenergize. Provides push-button circuit disconnection.

Casing

Fiberglass reinforced thermoplastic polyester material offers great resistance to impact, corrosion, and harsh environmental conditions.

Lockout-Tagout Provisions

Allows plug to be easily locked out and tagged. Optional Padlock Pawl allows lockout/tagout of the receptacle.

Silver-Nickel Contact Material

Solid silver-nickel contact surfaces provide superior conductivity, durability, and corrosion resistance.

Dead-Front Safety Shutter

Assures safety by preventing user access to live parts.

- Allow easy NEC, NFPA 70E, and CSA Z462 code compliance
- Functions as a 'line of sight' disconnect switch
- Safely makes and breaks resistive or inductive loads



DSN 20-150A (Up to 75 hp)

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



DS 20-200A (Up to 100 hp)

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

*Visit meltric.com to confirm ratings.

Common Product Accessories

Handles



Handle with Cable Range



Handle with Cord Grip

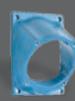


Finger Drawplates

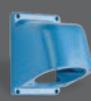
Angles and Boxes



Metal Junction Box



30° Metal Angle



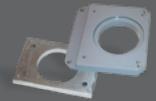
70° Metal Angle

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 simply 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.

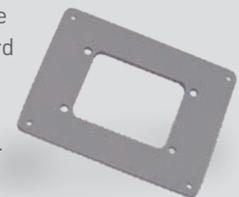
MELTRIC devices provide an "inline switch" when used on extension cords.



Retrofit Applications

Adapter plates allow users to upgrade to Switch-Rated devices without replacing existing boxes or wiring. Simply remove the old receptacle, bolt on the adapter plate and install the Meltric receptacle.

Adapter plates are available in a large variety of standard sizes and configurations. New custom sizes can be made quickly when needed.





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, pumps, 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 deenergize equipment without having to open the disconnect (to verify deenergization) 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.



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



Application Spotlight – Gas Turbine Maintenance

Scheduled maintenance at gas turbine power generation facilities often involves removal of the facility's rooftop to permit crane access to the turbines. Doing so can require 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. All this electrical work can take days to perform, resulting in significant 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 and getting the turbine back in service and producing revenue much quicker.

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.



Electrical Connection Solutions for Your Industrial Applications

In addition to the innovative Switch-Rated devices featured in this brochure, MELTRIC offers a full line of industrial plugs and receptacles providing solutions for a broad range of electrical connection applications.



Explore the Complete Line of MELTRIC Plugs, Receptacles, and Accessories

- Multipin devices available with 4-37 contacts
- Hazardous Location devices for Class 1 & 2 Div 2 and Zone 1/21 & 2/22 environments
- High Temperature devices, up to 30 A, 465°F
- High Amperage devices, 250-600 A
- Power Distribution—Rubber Boxes, Panel Assemblies, Custom Configurations, Receptacle/Wall Box Combinations, and more



Multipin



Hazardous Location



High Temp



High Amperage



Power Distribution

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

Phone: 414-433-2700
Email: mail@meltric.com

Need it quickly? Most orders ship within 2 days.



Plug into SAFETY and RELIABILITY with MELTRIC

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