

RUGGED, RELIABLE POWER CONNECTIONS

FOR THE MINING, AGGREGATE,
AND CONCRETE INDUSTRIES



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 ensures "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 de-energize. 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

Ensures safety by preventing user 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
- 100 kA short circuit rated*



DS 20-200 A (Up to 100 hp)

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

*Visit meltric.com to confirm ratings.

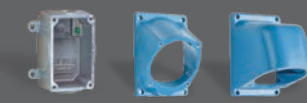
Common Product Accessories

Handles



Handle with Cable Range | Handle with Cord Grip | Finger Drawplates

Angles and Boxes



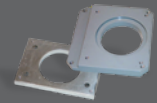
Metal Junction Box | 30° Metal Angle | 70° Metal Angle

Pawls



Padlockable Pawl

Adapter Plates



Customizable

Additional accessories are available to fit your application needs.



SOLUTIONS FOR EVERY STAGE

of the Mining, Aggregate, and Concrete



Power Distribution

Switch-Rated devices facilitate power distribution to processing equipment. Users can safely make/break connections. Butt-style contacts close with a self-cleaning action to keep contacts clean and performing well in dirty environments.

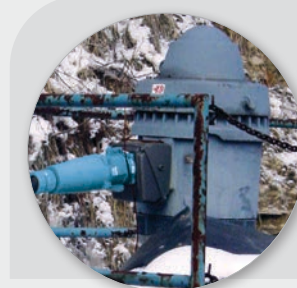
Spring-loaded, butt-style, silver-nickel contacts provide superior performance in harsh environments.



Conveyor Connections

MELTRIC Switch-Rated plugs and receptacles provide a convenient 'line-of-sight' disconnect. This allows workers to safely make and break electrical connections under full load up to 100 hp and 200 A.

Switch-Rated receptacle – dead-front safety shutter prevents unintended exposure to live parts.



Pump Power Supply

MELTRIC offers plugs and receptacles with ratings up to Type 4X/IP69/IP69K. In this example, 200 A Type 3R rated DS Series devices connect power to a float pump via a direct mounting configuration. When required, the DS receptacle can

be disconnected and relocated to another retention pond.

DS/DSN Series feature watertight operation when the plug is latched to the receptacle.



Motor Control Center Connections

MELTRIC devices are available in a wide variety of configurations. Optional accessories are available that allow them to be used as in-line connectors or mounted on walls, boxes, panels, or equipment. In-line connections are

preferred at this quarry to solve a mounting space problem.

MELTRIC Switch-Rated devices provide an in-line switch when used as extension cords.



Type 4X/IP69



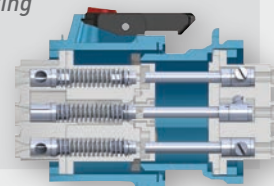
e Industry



Process Equipment Connections

DS60-equipped power cables provide a safe and convenient means of routinely making and breaking power supply connections, as required, while this concrete floor panel forming machine moves along the production line.

Enclosed arc chambers protect workers by eliminating arc flash hazards.



High HP Motor Connections

MELTRIC PF Series plugs and receptacles are specifically engineered for use in high amperage applications and are rated for loads up to 600 A. In this example, power to a 500 hp crusher motor is supplied by the parallel

phasing of two 400 A PF plugs and receptacles.

A mechanical locking system ensures safety and watertightness.



Power Supply to Heavy-Duty Machinery

Most MELTRIC plugs and receptacles are available in either durable poly or rugged metal casings. Common options include lockable pawls (to lock the receptacle), mushroom pawls (for easy disconnection), and up to 6 auxiliary

contacts (to control or monitor equipment).

Auxiliary contacts are available for operating secondary control circuits or for electrical interlocking with motor starters.

Auxiliary Contacts



Control Wire Connections

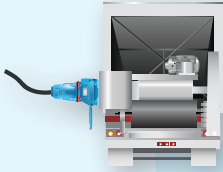
MELTRIC Multipin plugs, receptacles, and connectors are ideal for equipment requiring multiple control wire connections. Plant operators can easily control equipment while working in a remote location. Remote motor control

centers can be relocated and reconnected with plug-and-play simplicity, eliminating rewiring errors.

Multipin plugs and connectors are available with up to 37 contacts.

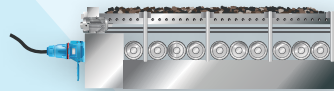


Benefit from MELTRIC Plugs, Receptacles, and Electrical Connectors Throughout Your Plant



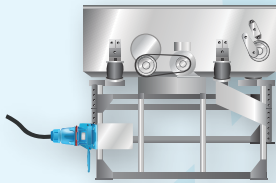
Feeders

DR Series devices with amperage capacity up to 250 A provide durable, safe connections for feeders and other equipment.



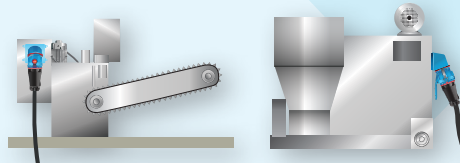
Conveyors

DSN Series devices simplify reconfigurations of conveyors. Type 4X construction provides protection from water and dust.



Screeners

DSN Series Switch-Rated devices provide rugged, switch-rated connections up to 75 hp.



Cutting Machines, Extruders, and other Forming Equipment

MELTRIC Switch-Rated plugs and receptacles are safe to make and break under full load. They provide a "line-of-sight" disconnect and facilitate quick motor changeouts.



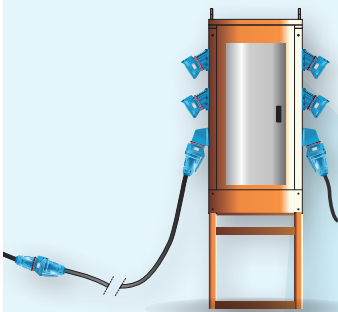
Float Pumps/Submersible Pumps

DS Series inlets and connectors allow pumps to be easily disconnected and relocated to another pond/wall.



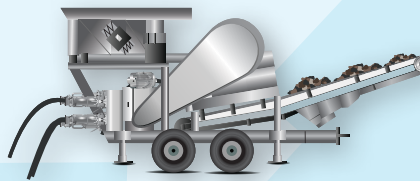
Stackers/Pilers

DR400 Series plugs and receptacles offer safe, durable, easy-to-operate connections up to 400 A.



Power Distribution

MELTRIC plugs and receptacles are ideal for power distribution. Custom panels are available.

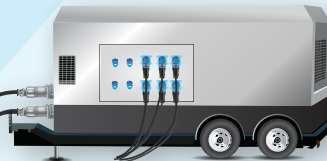
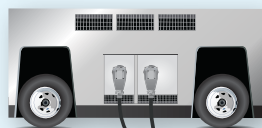


Crushers

Parallel phasing with dual PF devices maximizes capacity for high-load applications.

Generators

600 A PF Series connectors supply power from generators to motor control centers.



Motor Control Centers

Switch-Rated plugs and receptacles, single pole connectors, and multipin devices provide power and control circuits to all plant equipment.

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 I & II 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

Industry-leading delivery times.



Plug into SAFETY and RELIABILITY with **MELTRIC®**

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